

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070918\
 Data File : VX003241.D
 Acq On : 09 Jul 2018 12:16
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/10/2018 3:11:43 PM

Quant Time: Jul 09 15:12:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 14:57:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	255134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	320077	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	291329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	204387	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	81412	23.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.18%	
35) Dibromofluoromethane	5.51	113	68968	27.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	54.42%	
50) Toluene-d8	8.72	98	248234	26.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	53.64%	
62) 4-Bromofluorobenzene	11.14	95	89417	25.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	50.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	81398	32.12	ug/l	99
3) Chloromethane	1.32	50	69627	26.17	ug/l	100
4) Vinyl Chloride	1.40	62	71093	24.64	ug/l	99
5) Bromomethane	1.64	94	26050	14.62	ug/l	99
6) Chloroethane	1.72	64	39939	20.81	ug/l	97
7) Trichlorofluoromethane	1.93	101	107879	22.17	ug/l	100
8) Diethyl Ether	2.19	74	37879	21.41	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	61266	21.72	ug/l	94
10) Methyl Iodide	2.51	142	52464	19.96	ug/l	96
11) Tert butyl alcohol	3.08	59	78818	112.20	ug/l	100
12) 1,1-Dichloroethene	2.37	96	56386	22.41	ug/l	92
13) Acrolein	2.29	56	59820	143.42	ug/l	99
14) Allyl chloride	2.73	41	107947	21.76	ug/l	94
15) Acrylonitrile	3.15	53	162016	107.97	ug/l	99
16) Acetone	2.45	43	146642	100.41	ug/l	95
17) Carbon Disulfide	2.57	76	154032	22.98	ug/l	99
18) Methyl Acetate	2.78	43	83793	20.52	ug/l	95
19) Methyl tert-butyl Ether	3.21	73	187998	20.78	ug/l	99
20) Methylene Chloride	2.86	84	62397	21.96	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	60522	22.08	ug/l	96
22) Diisopropyl ether	3.88	45	209639	22.11	ug/l	99
23) Vinyl Acetate	3.83	43	913780	113.82	ug/l	98
24) 1,1-Dichloroethane	3.70	63	110159	21.38	ug/l	99
25) 2-Butanone	4.71	43	250408	115.53	ug/l	97
26) 2,2-Dichloropropane	4.59	77	92755	22.14	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	70182	22.84	ug/l	99
28) Bromochloromethane	5.02	49	57334	23.24	ug/l	90
29) Tetrahydrofuran	5.17	42	160131	115.21	ug/l	97
30) Chloroform	5.22	83	120098	22.71	ug/l	100
31) Cyclohexane	5.57	56	102822	23.25	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	107552	23.11	ug/l	98
36) 1,1-Dichloropropene	5.80	75	86037	24.51	ug/l	97
37) Ethyl Acetate	4.87	43	95636	25.31	ug/l	98
38) Carbon Tetrachloride	5.79	117	96652	25.09	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	100738	24.64	ug/l	97
40) Benzene	6.15	78	262562	25.74	ug/l	99
41) Methacrylonitrile	5.07	41	53242	24.46	ug/l	96
42) 1,2-Dichloroethane	6.20	62	97005	23.55	ug/l	98
43) Isopropyl Acetate	6.47	43	149129	23.53	ug/l	97
44) Trichloroethene	7.21	130	76585	25.19	ug/l	99
45) 1,2-Dichloropropane	7.52	63	67511	24.95	ug/l	99
46) Dibromomethane	7.67	93	45975	24.49	ug/l	94
47) Bromodichloromethane	7.90	83	84569	24.37	ug/l	97
48) Methyl methacrylate	7.78	41	77066	23.60	ug/l	93
49) 1,4-Dioxane	7.76	88	32533	512.01	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	491694	123.99	ug/l	97
52) Toluene	8.79	92	166428	25.47	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	100324	25.52	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	90379	23.90	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	68409	25.48	ug/l	98
56) Ethyl methacrylate	9.18	69	93263	23.77	ug/l	92
57) 1,3-Dichloropropane	9.38	76	109564	24.85	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	242911	128.32	ug/l	97
59) 2-Hexanone	9.50	43	377154	125.14	ug/l	96
60) Dibromochloromethane	9.59	129	69917	24.74	ug/l	99
61) 1,2-Dibromoethane	9.68	107	71749	25.48	ug/l	100
64) Tetrachloroethene	9.34	164	86677	26.76	ug/l	99
65) Chlorobenzene	10.14	112	190679	25.77	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	70614	26.27	ug/l	99
67) Ethyl Benzene	10.26	91	311771	25.51	ug/l	99
68) m/p-Xylenes	10.36	106	247167	52.47	ug/l	97
69) o-Xylene	10.70	106	119062	25.96	ug/l	96
70) Styrene	10.71	104	194584	26.11	ug/l	98
71) Bromoform	10.86	173	55185	26.12	ug/l	99
73) Isopropylbenzene	11.02	105	323022	23.49	ug/l	99
74) N-amyl acetate	6.47	43	149129	22.17	ug/l #	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	98508	23.26	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	88184m	23.82	ug/l	
77) Bromobenzene	11.26	156	90548	23.13	ug/l	95
78) n-propylbenzene	11.37	91	359023	22.94	ug/l	98
79) 2-Chlorotoluene	11.42	91	214651	22.65	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	269232	23.25	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	25433	23.30	ug/l	98
82) 4-Chlorotoluene	11.51	91	253412	22.59	ug/l	99
83) tert-Butylbenzene	11.77	119	265957	23.30	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	276956	23.08	ug/l	98
85) sec-Butylbenzene	11.95	105	316755	22.88	ug/l	98
86) p-Isopropyltoluene	12.07	119	285788	22.96	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	162744	22.76	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	166593	22.64	ug/l	99
89) n-Butylbenzene	12.39	91	232055	21.42	ug/l	99
90) Hexachloroethane	12.60	117	41278	22.29	ug/l	94
91) 1,2-Dichlorobenzene	12.40	146	166472	23.06	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	20552	21.58	ug/l	89

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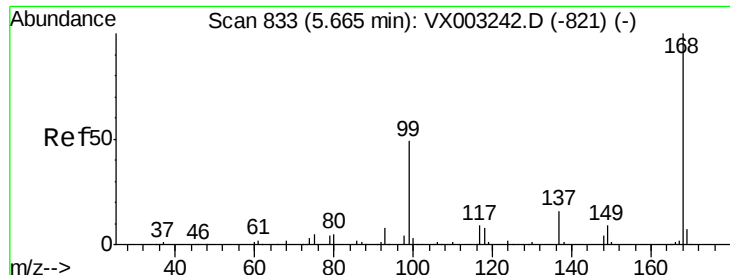
Manual Integrations
APPROVED

MMDadoda
7/10/2018 3:11:43 PM

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Quant Title : SW846 8260
QLast Update : Mon Jul 09 14:57:54 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	123364	23.48	ug/l	100
94) Hexachlorobutadiene	13.79	225	61133	23.33	ug/l	99
95) Naphthalene	13.84	128	336331	24.04	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	123160	23.47	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 255134

Ion Ratio Lower Upper

168 100

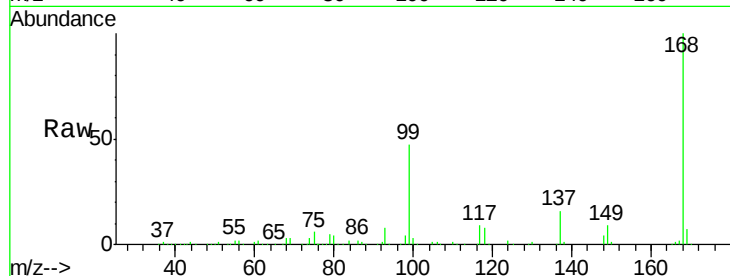
99 47.1 39.3 58.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

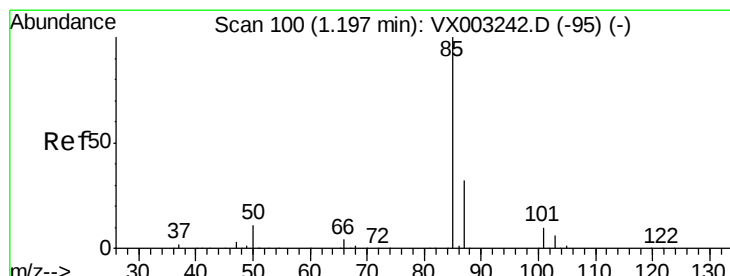
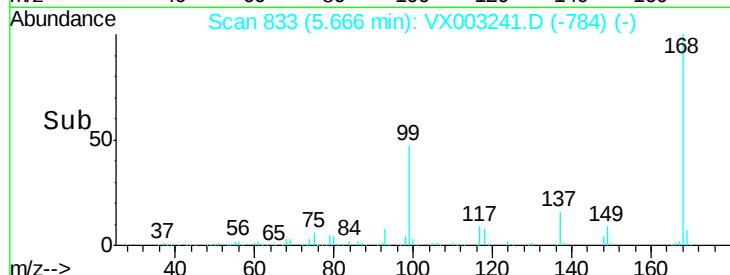
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 32.12 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003241.D

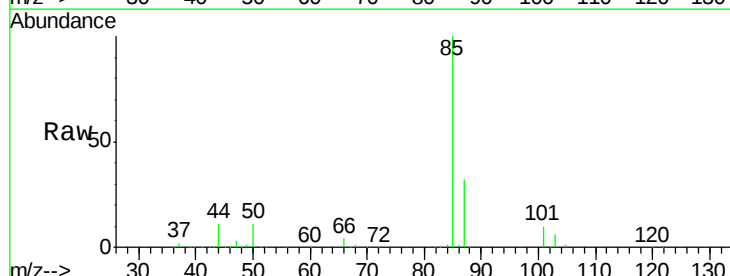
Acq: 09 Jul 2018 12:16

Tgt Ion: 85 Resp: 81398

Ion Ratio Lower Upper

85 100

87 32.5 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

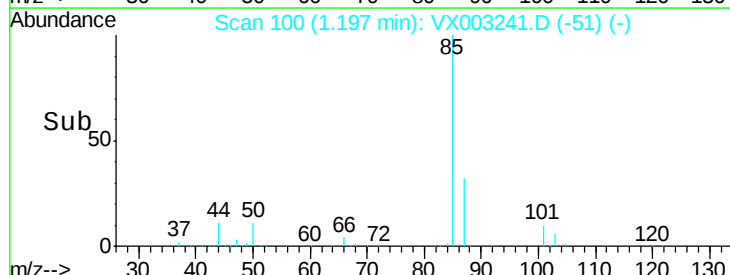
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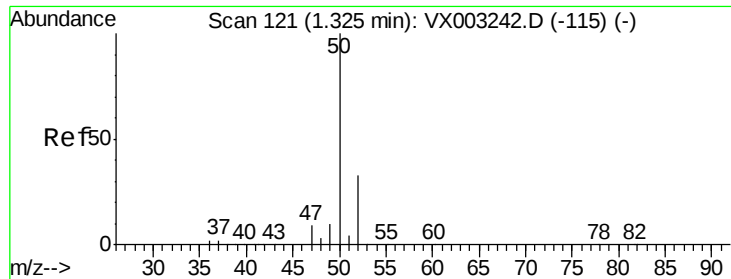
40000

20000

0

Time-->





#3

Chloromethane

Concen: 26.17 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 69627

Ion Ratio Lower Upper

50 100

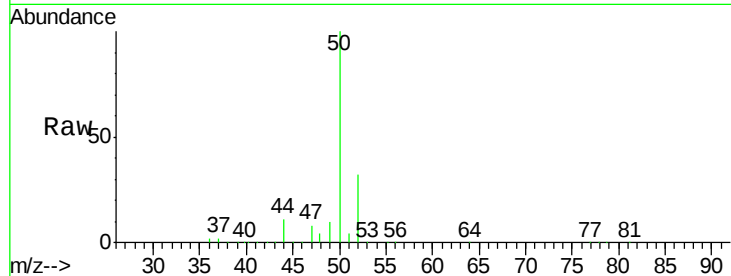
52 32.0 25.7 38.5

Manual Integrations

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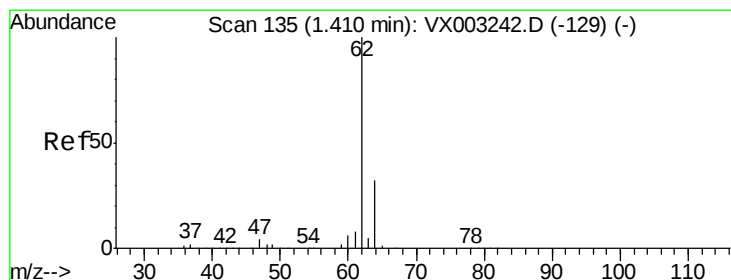
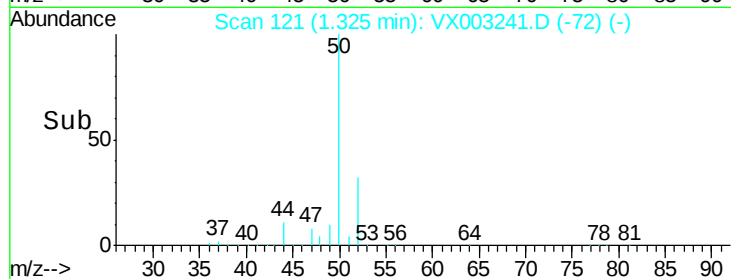
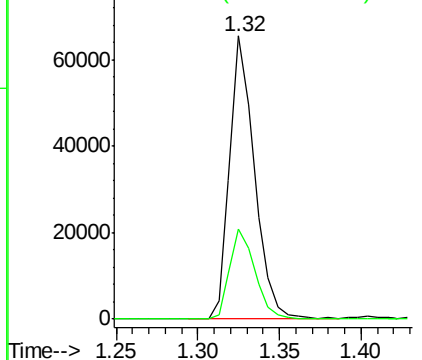
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 24.64 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX003241.D

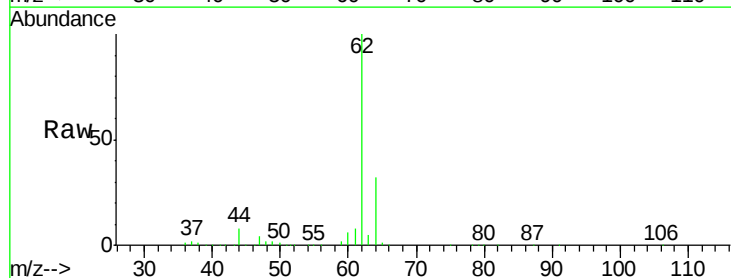
Acq: 09 Jul 2018 12:16

Tgt Ion: 62 Resp: 71093

Ion Ratio Lower Upper

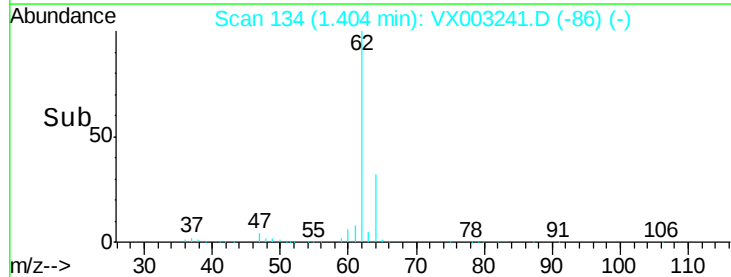
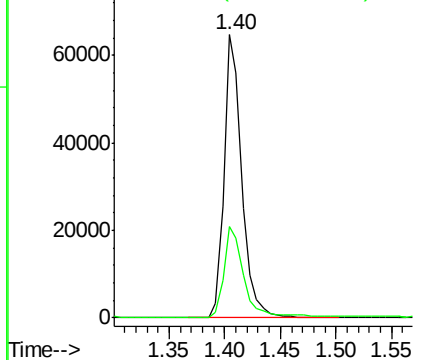
62 100

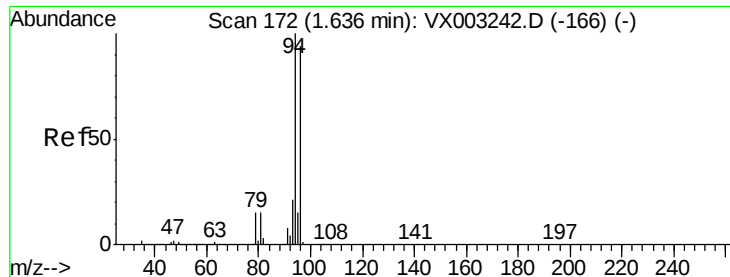
64 32.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 14.62 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 26050

Ion Ratio Lower Upper

94 100

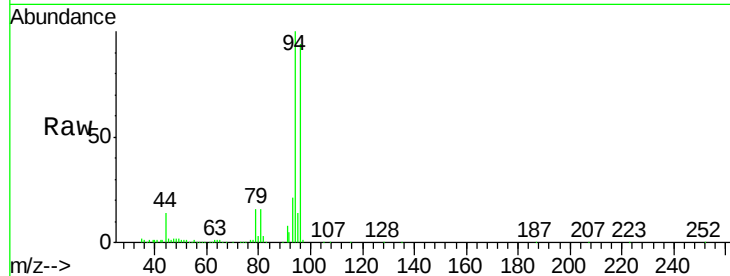
96 94.2 74.9 112.3

Manual Integrations

APPROVED

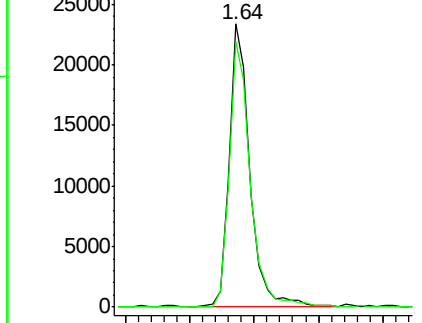
MMDadoda

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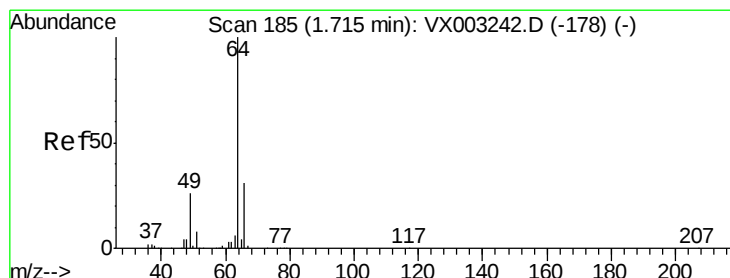
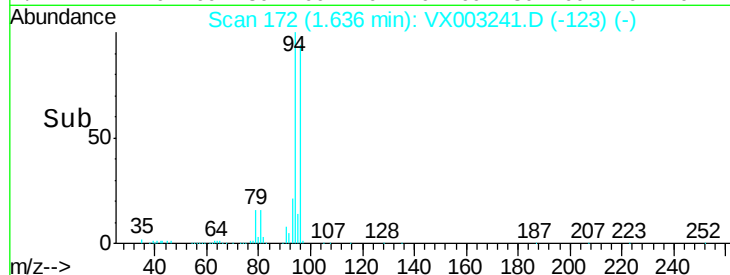


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 20.81 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003241.D

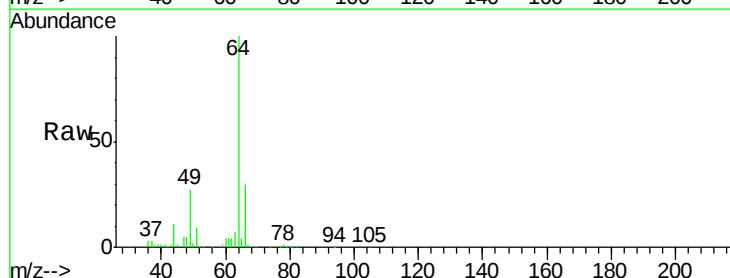
Acq: 09 Jul 2018 12:16

Tgt Ion: 64 Resp: 39939

Ion Ratio Lower Upper

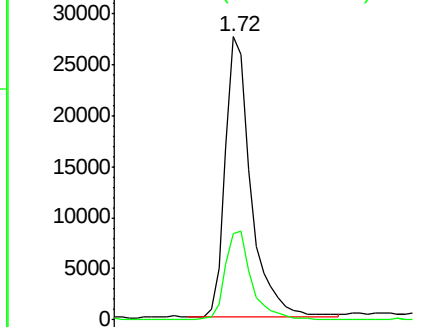
64 100

66 30.5 25.5 38.3

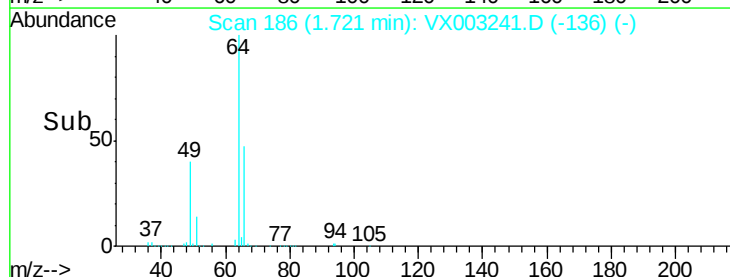


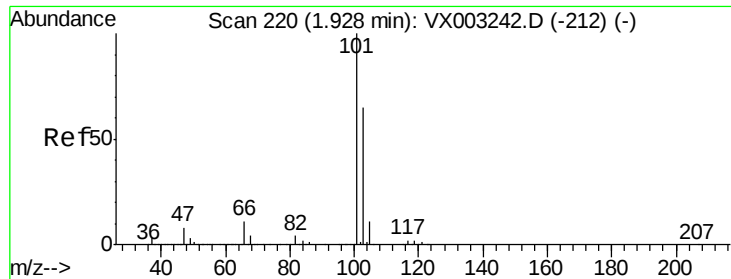
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->





#7

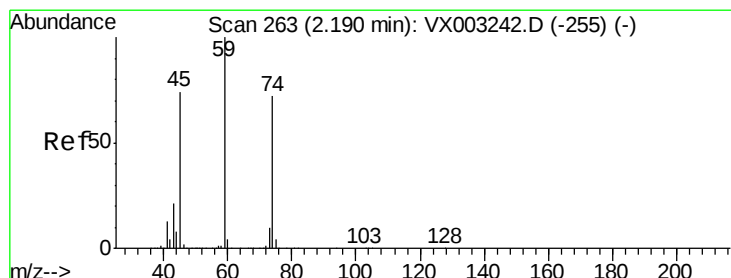
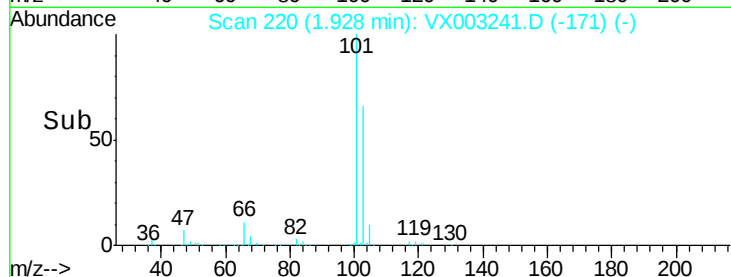
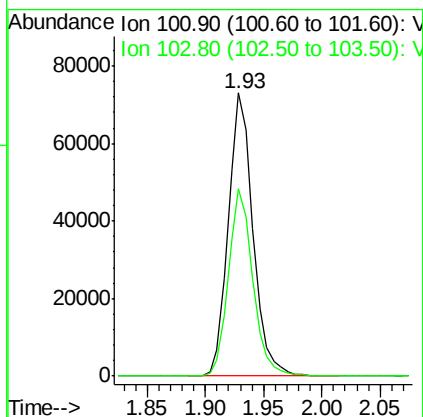
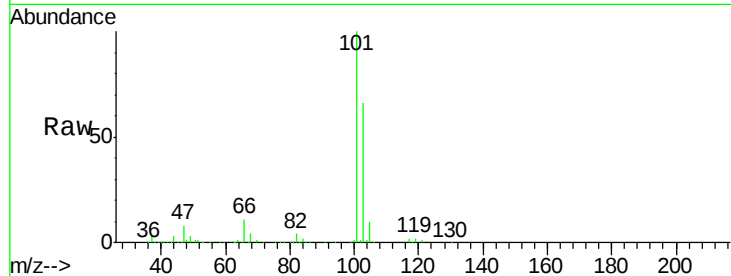
Trichlorofluoromethane
 Concen: 22.17 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VX003241.D
 Acq: 09 Jul 2018 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	52.8	79.2

Manual Integrations
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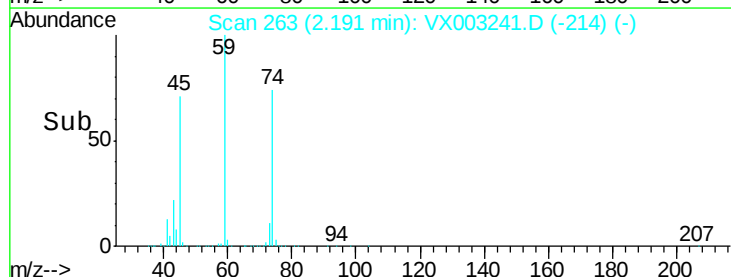
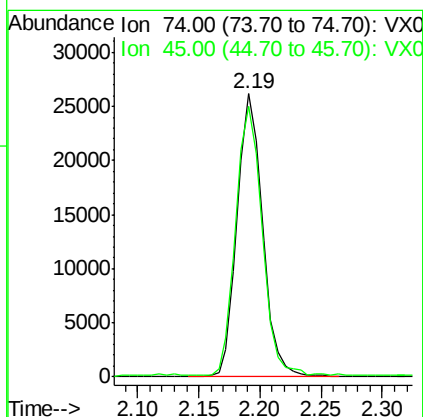
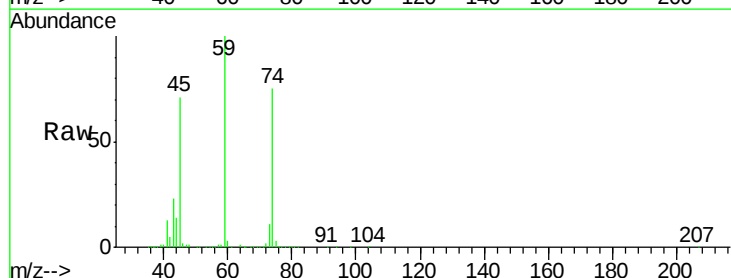
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 7/10/2018 3:11:43 PM

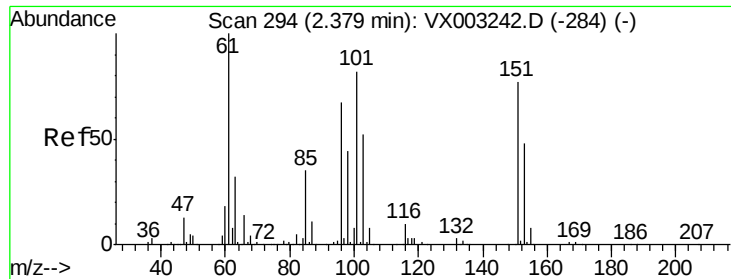


#8

Diethyl Ether
 Concen: 21.41 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003241.D
 Acq: 09 Jul 2018 12:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.5	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.72 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Instrument :

MSVOA_X

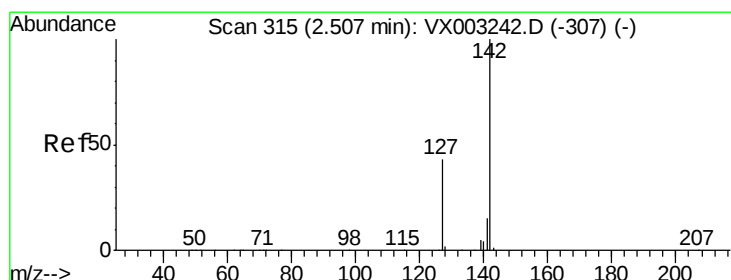
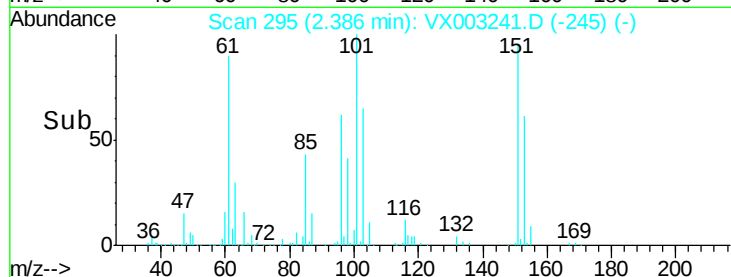
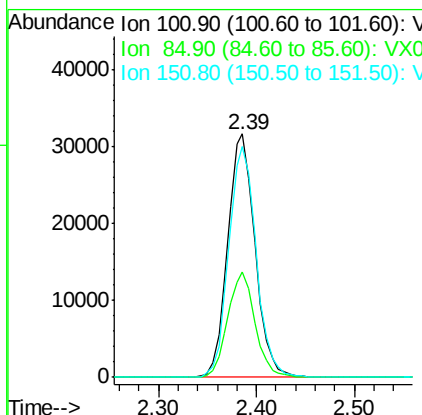
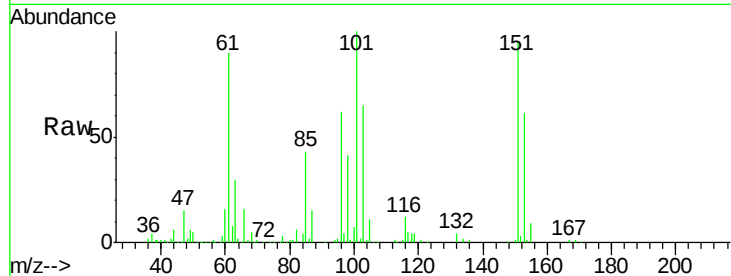
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	61266
Ion Ratio	Lower	Upper	
101	100		
85	43.0	36.0	54.0
151	95.0	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 19.96 ug/l

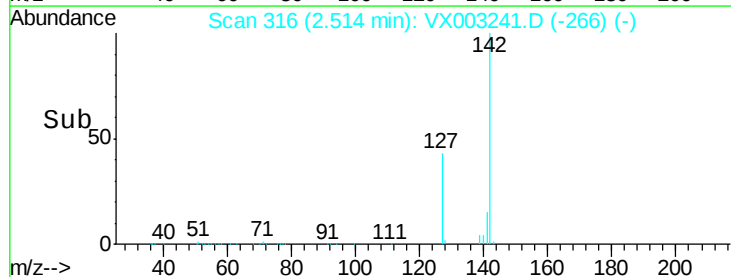
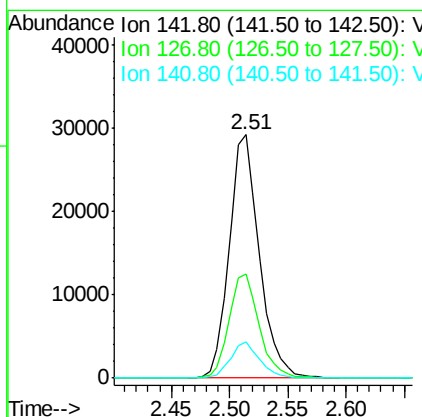
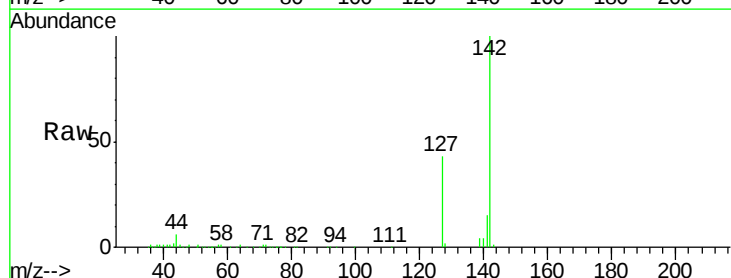
RT: 2.51 min Scan# 316

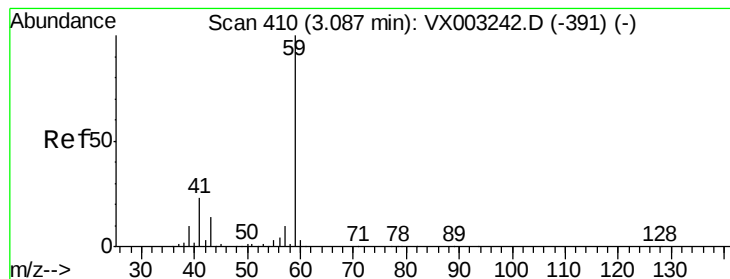
Delta R.T. 0.01 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Tgt Ion:	142	Resp:	52464
Ion Ratio	Lower	Upper	
142	100		
127	43.0	36.6	55.0
141	14.8	11.3	16.9





#11

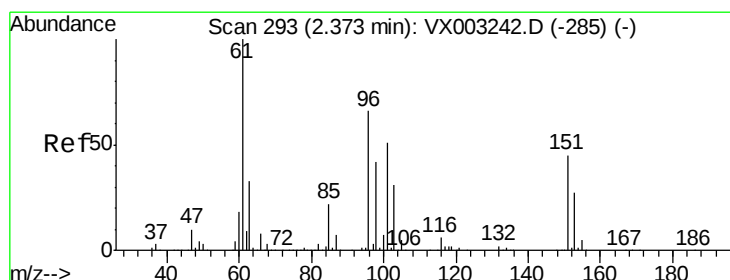
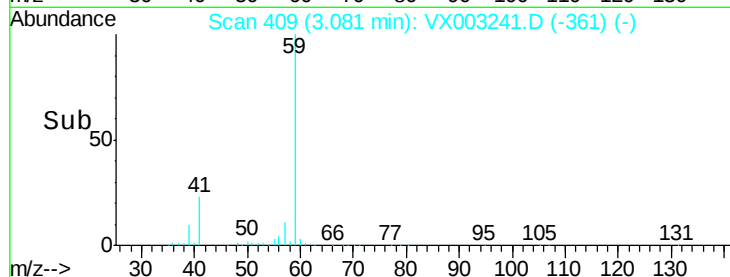
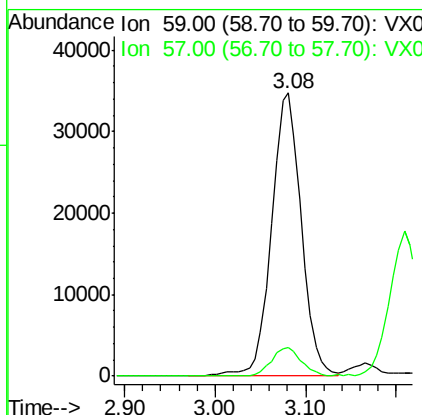
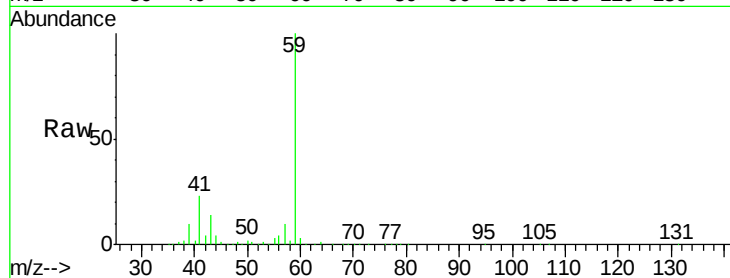
Tert butyl alcohol
Concen: 112.20 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX003241.D
Acq: 09 Jul 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

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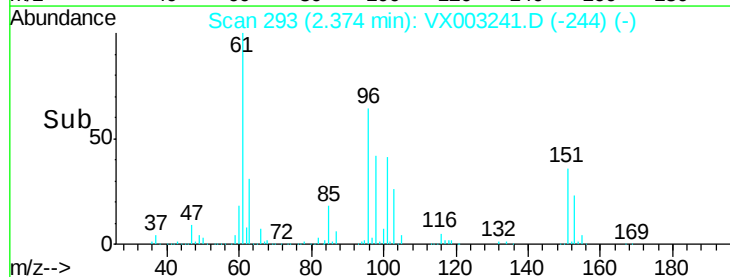
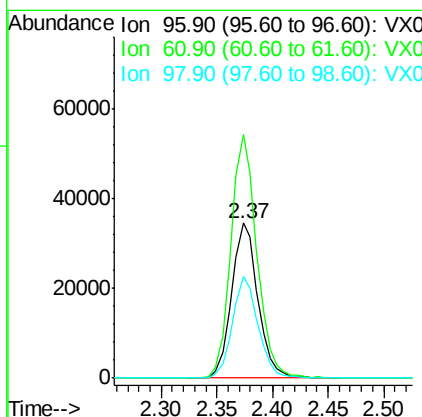
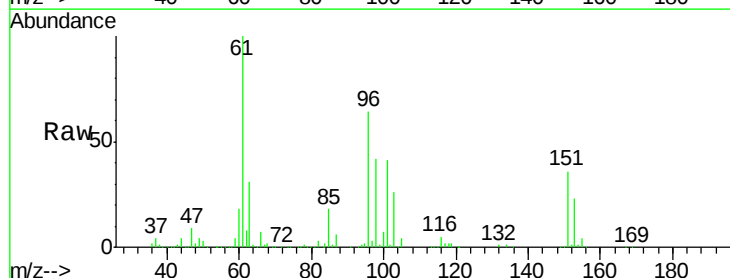
MMDadoda
7/10/2018 3:11:43 PM

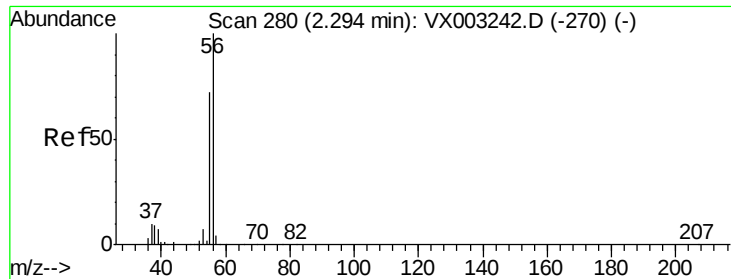


#12

1,1-Dichloroethene
Concen: 22.41 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX003241.D
Acq: 09 Jul 2018 12:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.4	137.9	206.9
98	65.9	51.6	77.4





#13

Acrolein

Concen: 143.42 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 59820

Ion Ratio Lower Upper

56 100

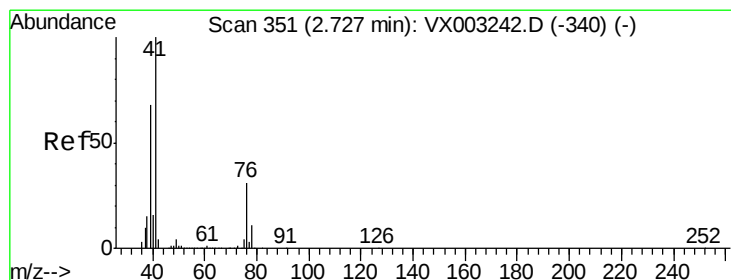
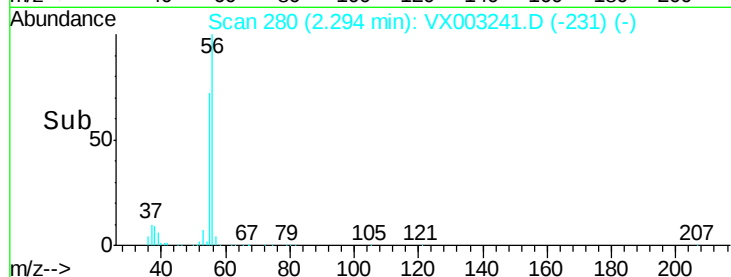
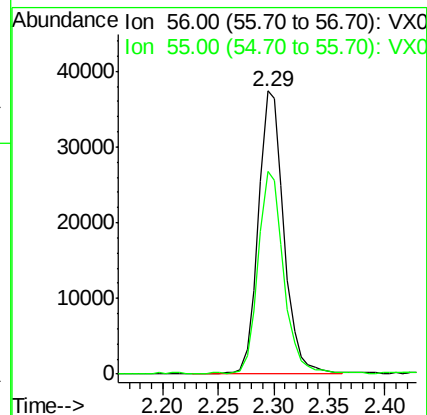
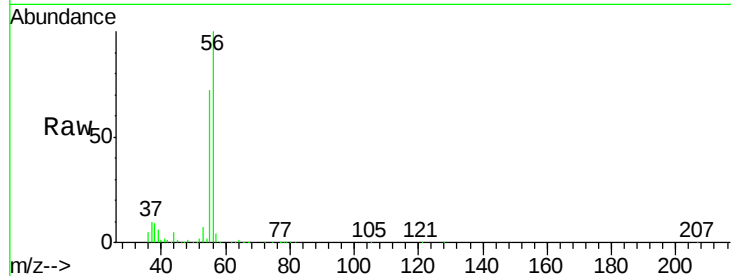
55 70.3 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 21.76 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

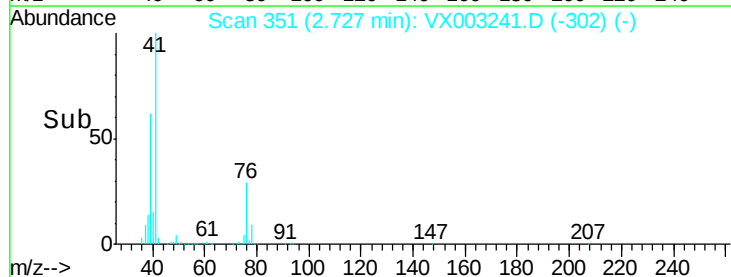
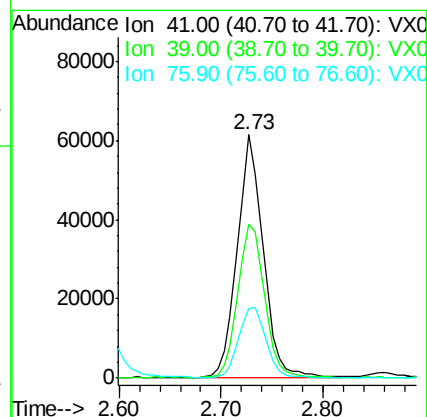
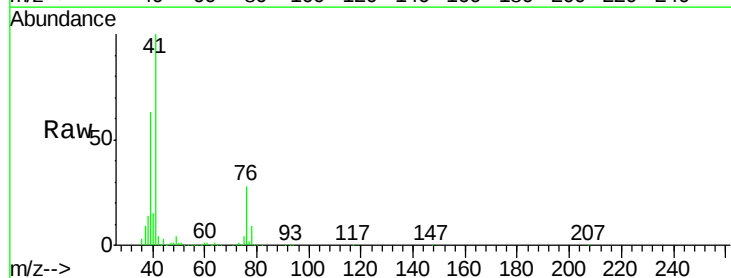
Tgt Ion: 41 Resp: 107947

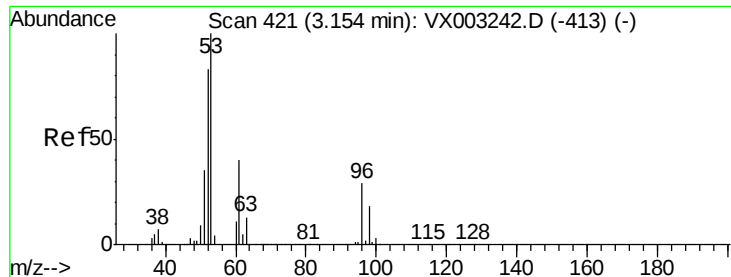
Ion Ratio Lower Upper

41 100

39 64.8 56.8 85.2

76 30.8 23.8 35.8





#15

Acrylonitrile

Concen: 107.97 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Instrument :

MSVOA_X

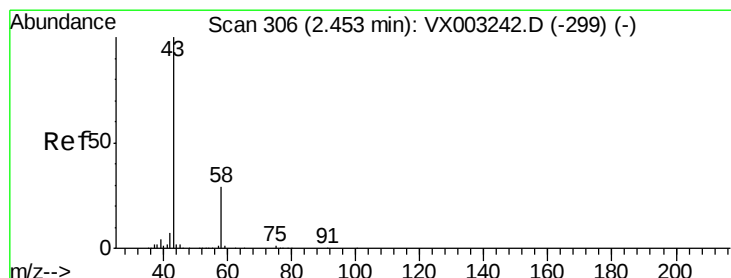
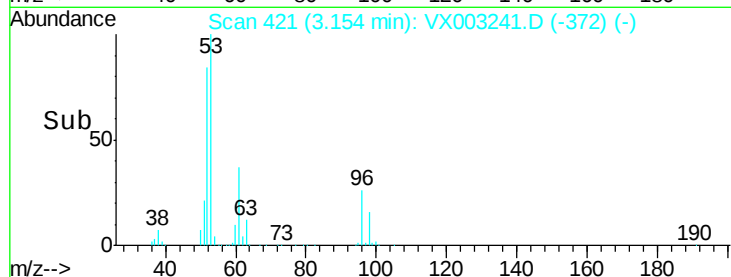
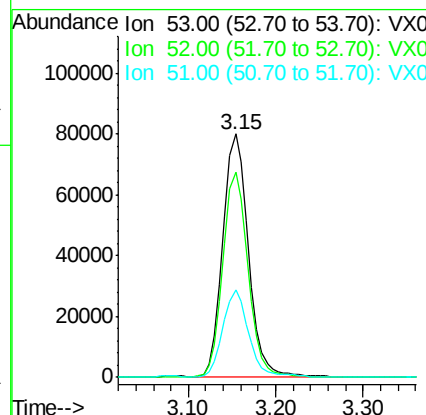
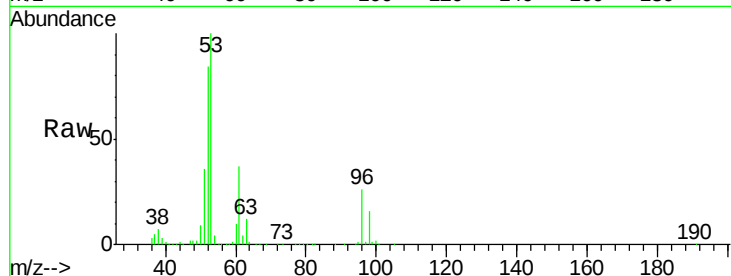
ClientSampleID :

VSTDIC020

Tot Ion:	53	Resp:	162016
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.7	100.1
51	36.1	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 100.41 ug/l

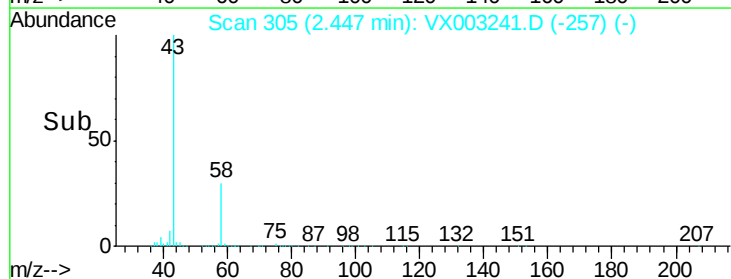
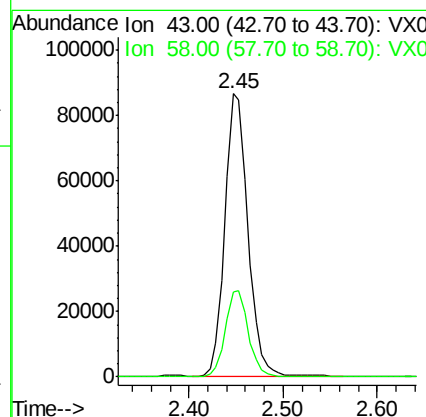
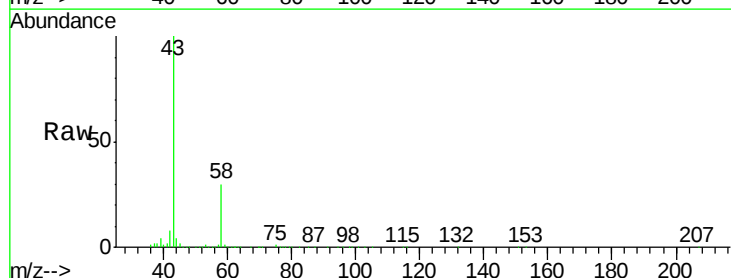
RT: 2.45 min Scan# 305

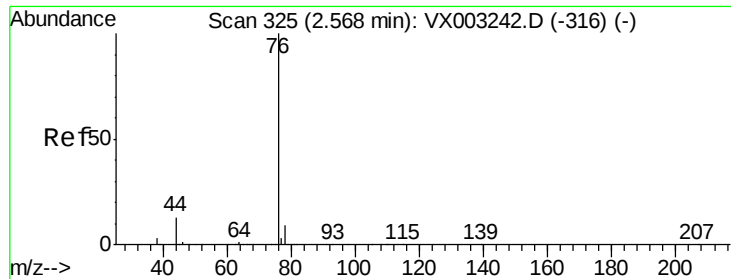
Delta R.T. -0.01 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Tgt Ion:	43	Resp:	146642
Ion	Ratio	Lower	Upper
43	100		
58	30.0	22.1	33.1





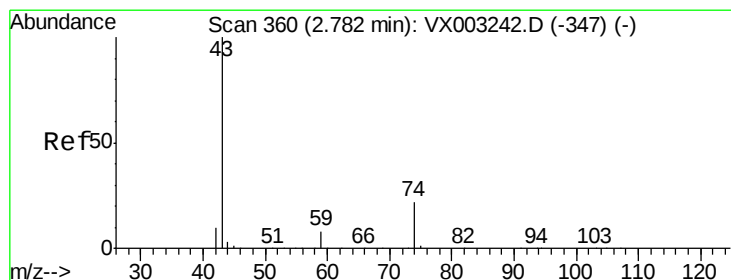
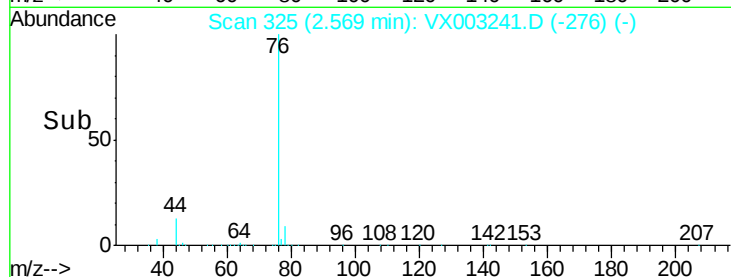
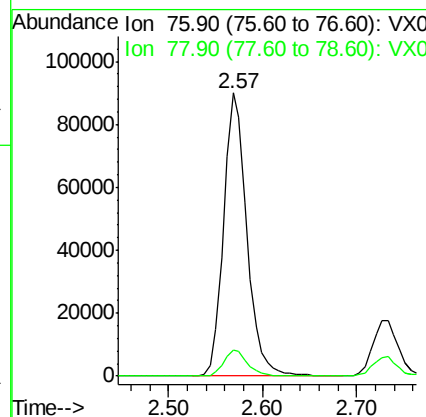
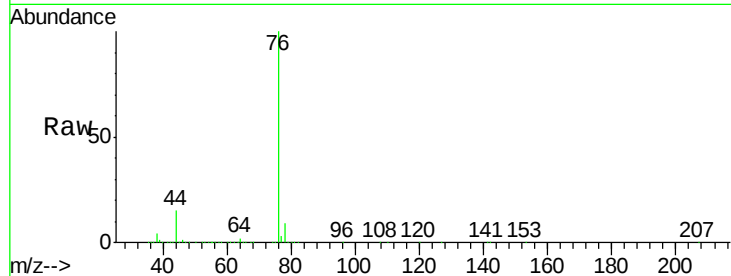
#17
Carbon Disulfide
Concen: 22.98 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003241.D
Acq: 09 Jul 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.9	10.3

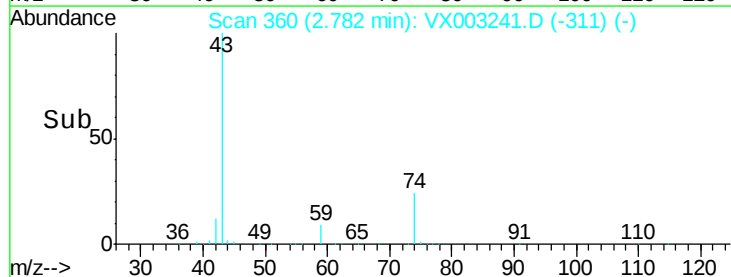
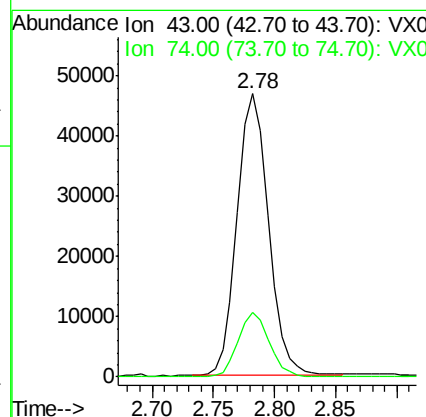
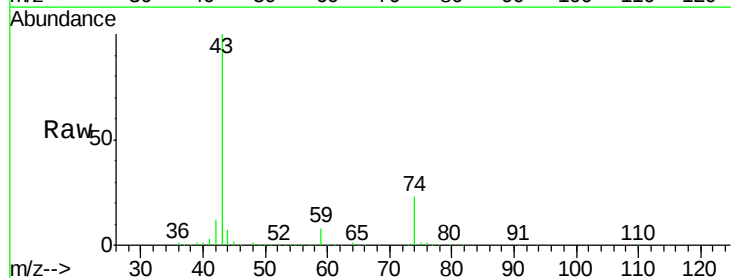
Manual Integrations
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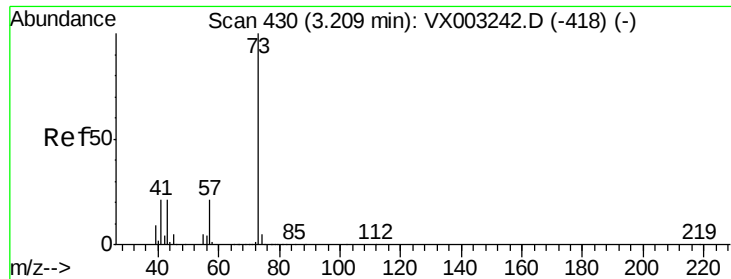
MMDadoda
7/10/2018 3:11:43 PM



#18
Methyl Acetate
Concen: 20.52 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003241.D
Acq: 09 Jul 2018 12:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	16.7	25.1





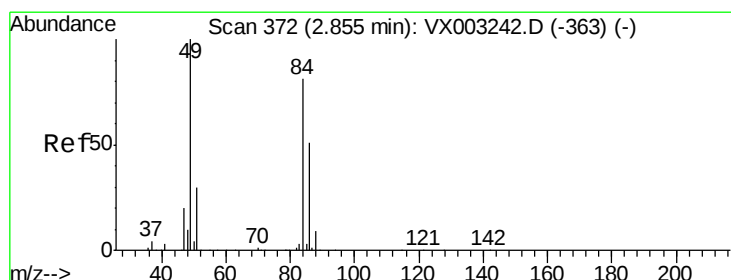
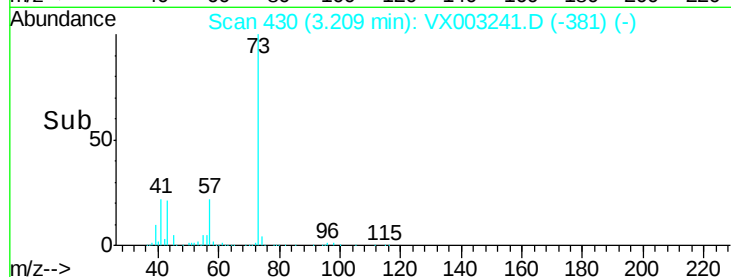
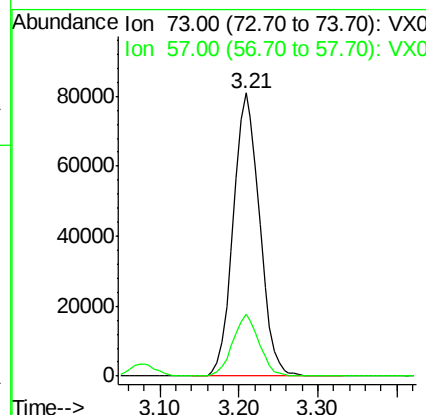
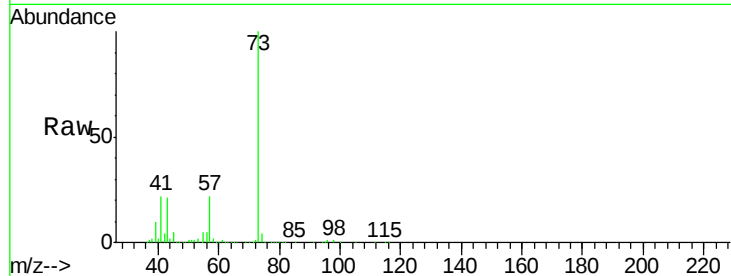
#19
Methvl tert-butvl Ether
Concen: 20.78 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003241.D
Acq: 09 Jul 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.7	26.5

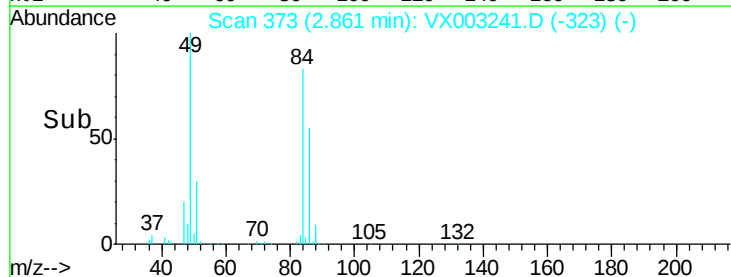
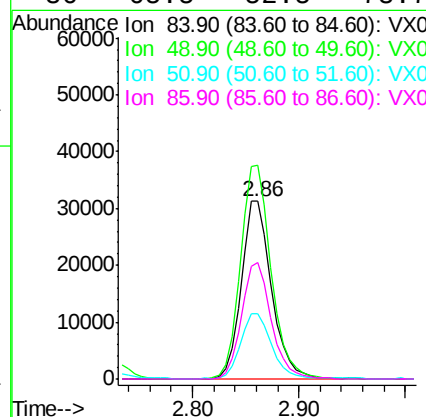
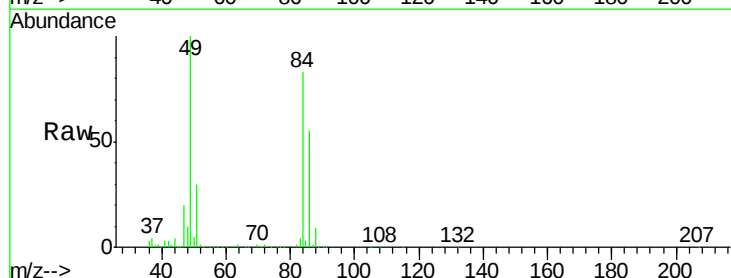
Manual Integrations
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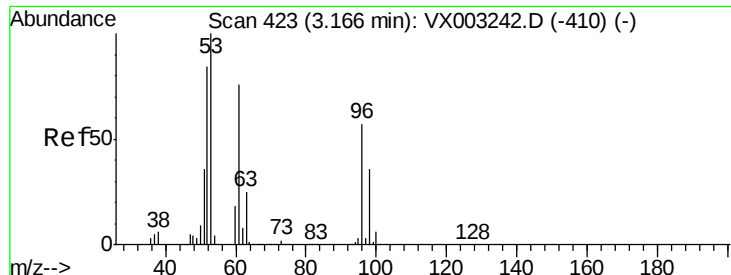
MMDadoda
7/10/2018 3:11:43 PM



#20
Methylene Chloride
Concen: 21.96 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003241.D
Acq: 09 Jul 2018 12:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.2	107.8	161.6
51	36.4	32.8	49.2
86	65.5	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 22.08 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

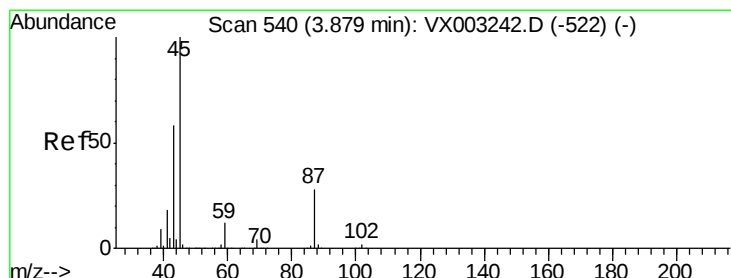
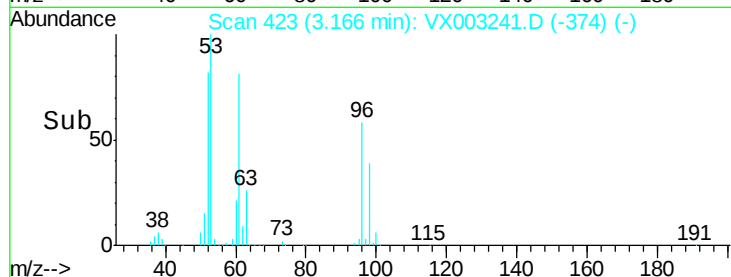
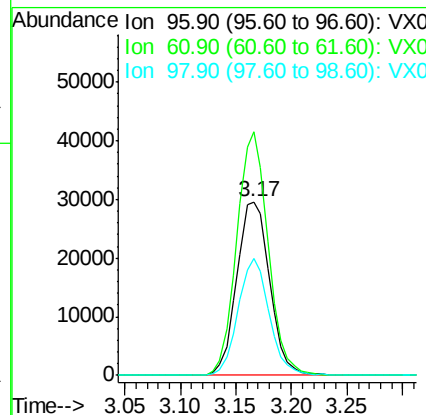
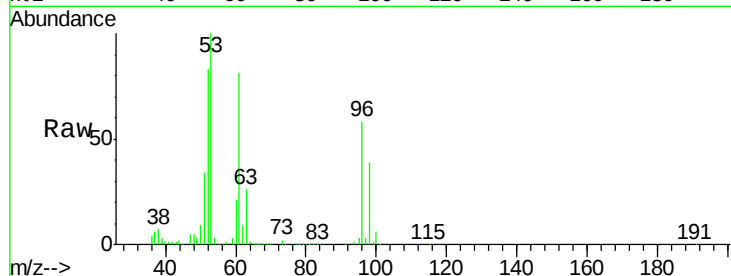
VSTDIC020

Tot Ion: 96 Resp: 60522

Ion	Ratio	Lower	Upper
96	100		
61	140.2	117.0	175.4
98	67.5	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.11 ug/l

RT: 3.88 min Scan# 540

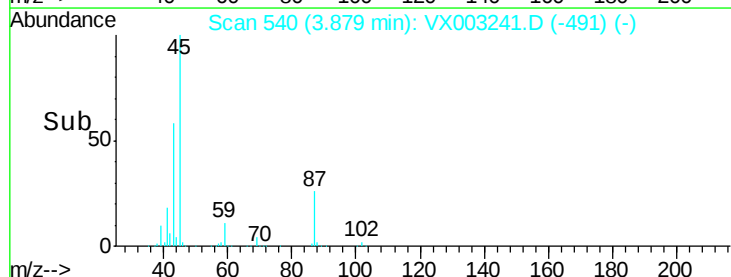
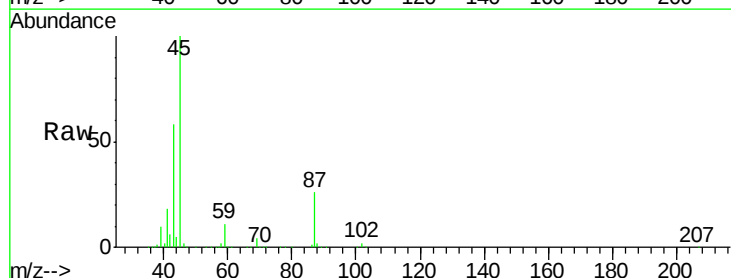
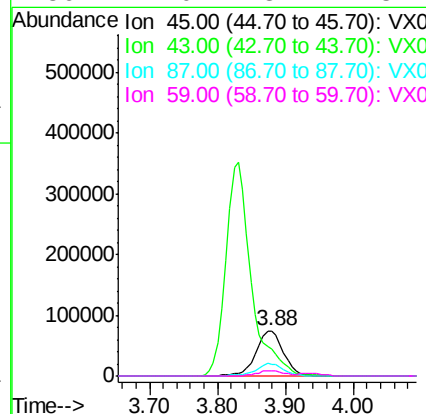
Delta R.T. 0.00 min

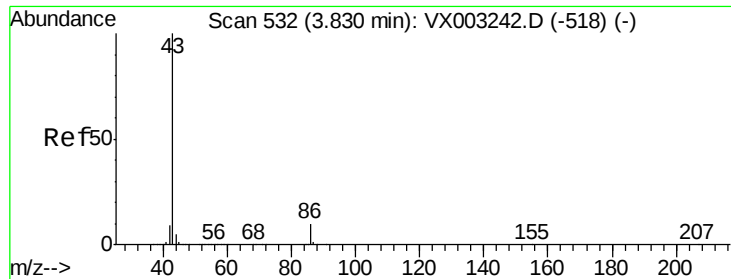
Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Tgt Ion: 45 Resp: 209639

Ion	Ratio	Lower	Upper
45	100		
43	57.9	46.8	70.2
87	26.4	20.2	30.4
59	11.0	8.7	13.1





#23

Vinyl Acetate

Concen: 113.82 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 913780

Ion Ratio Lower Upper

43 100

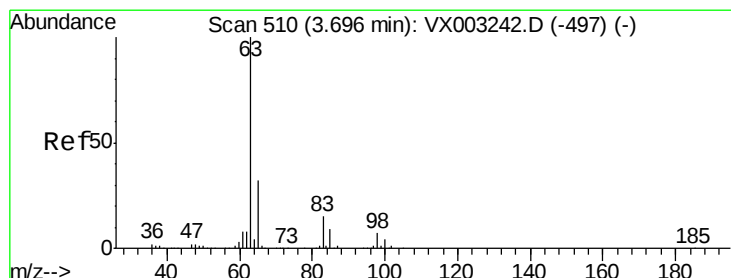
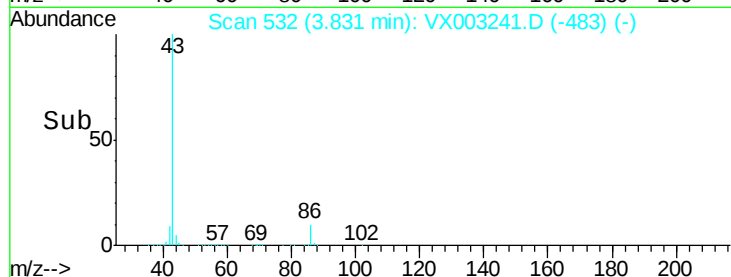
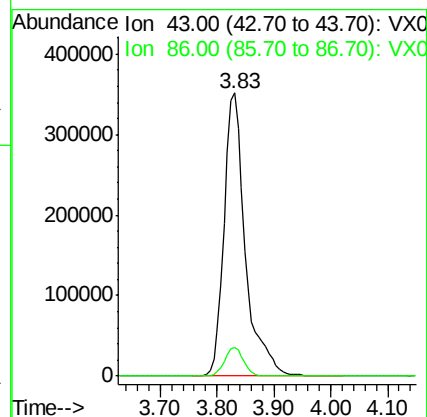
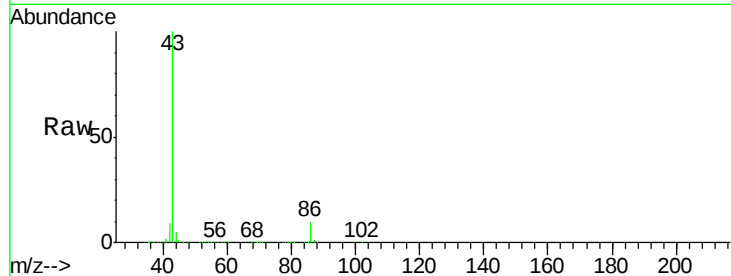
86 10.1 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.38 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

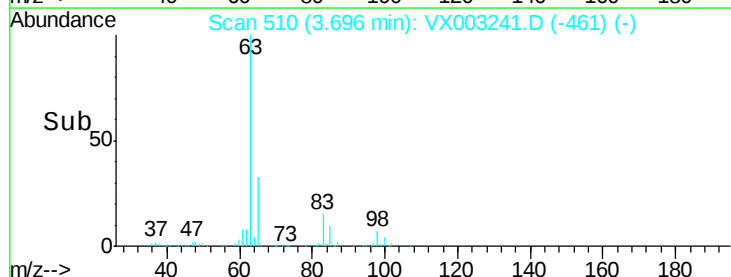
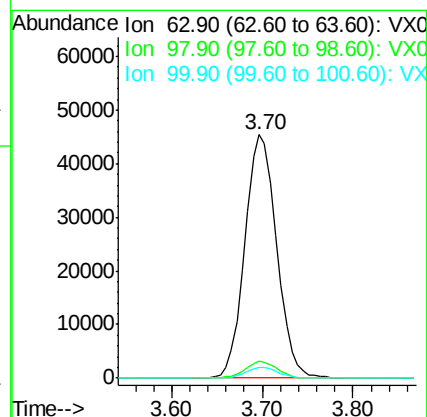
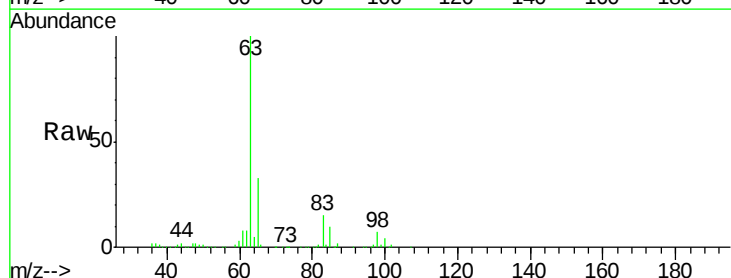
Tgt Ion: 63 Resp: 110159

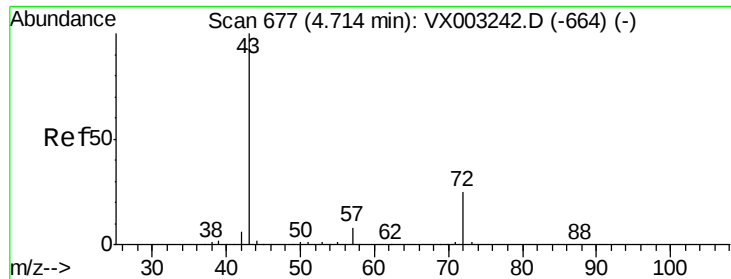
Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

100 4.4 2.0 6.0





#25

2-Butanone

Concen: 115.53 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Tot Ion: 43 Resp: 250408

Ion Ratio Lower Upper

43 100

72 24.4 18.5 27.7

Instrument :

MSVOA_X

ClientSampleId :

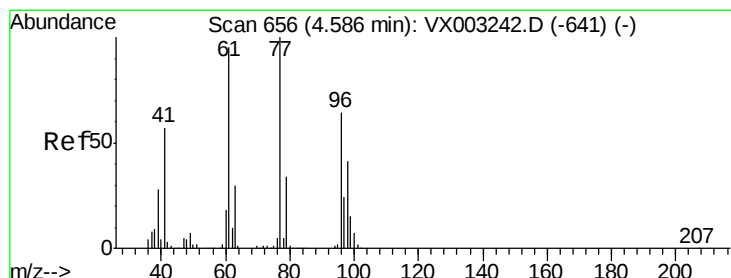
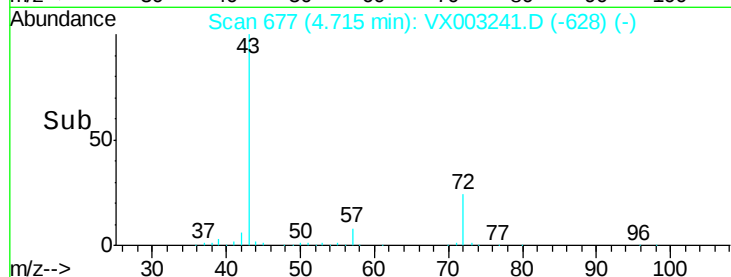
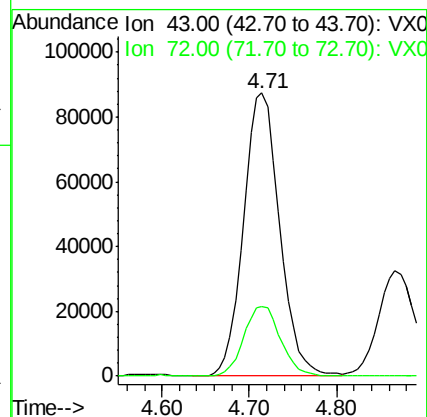
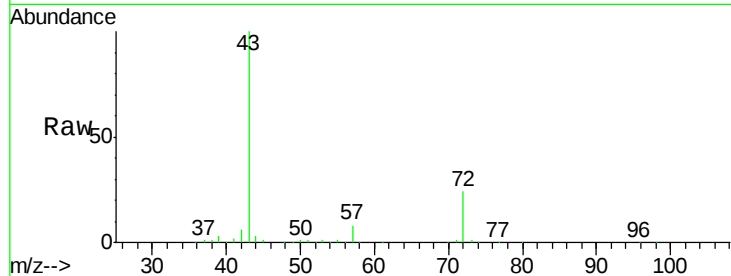
VSTDIC020

Manual Integrations

APPROVED

MMDadoda

7/10/2018 3:11:43 PM



#26

2,2-Dichloropropane

Concen: 22.14 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003241.D

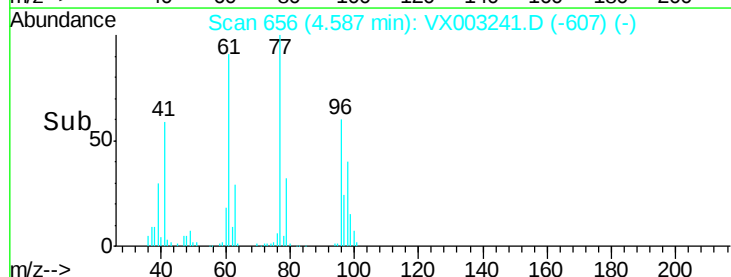
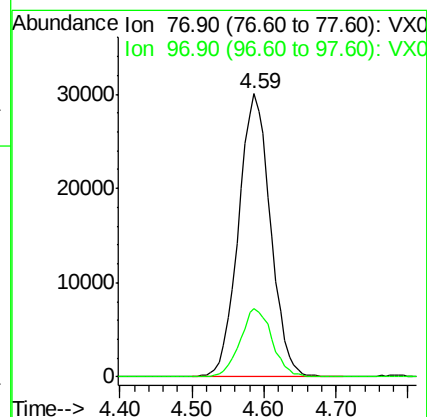
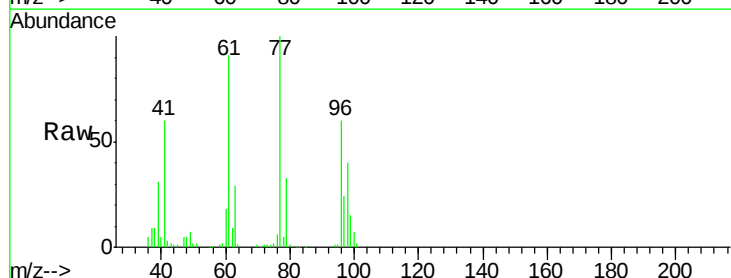
Acq: 09 Jul 2018 12:16

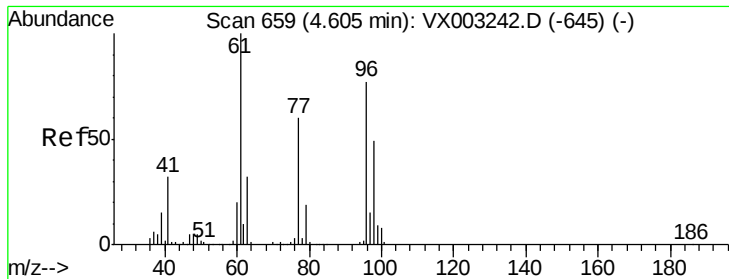
Tgt Ion: 77 Resp: 92755

Ion Ratio Lower Upper

77 100

97 24.2 11.2 33.5





#27

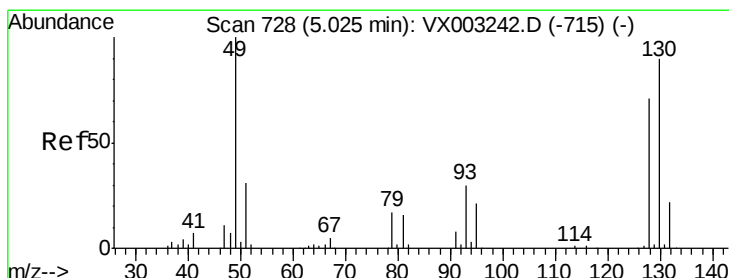
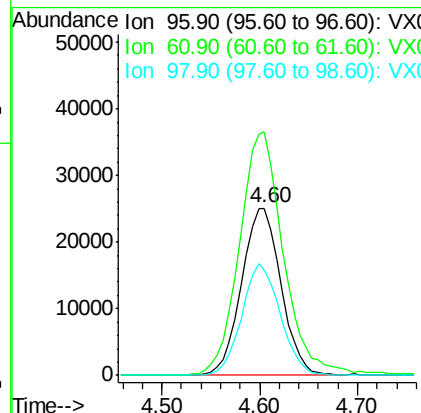
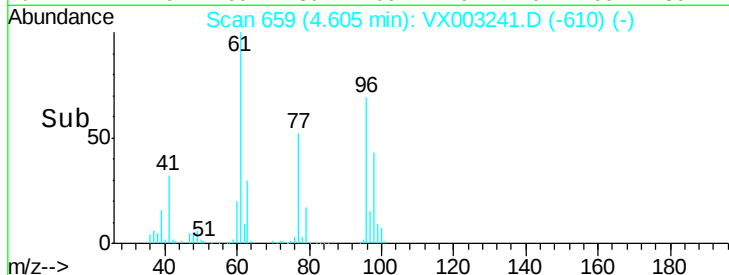
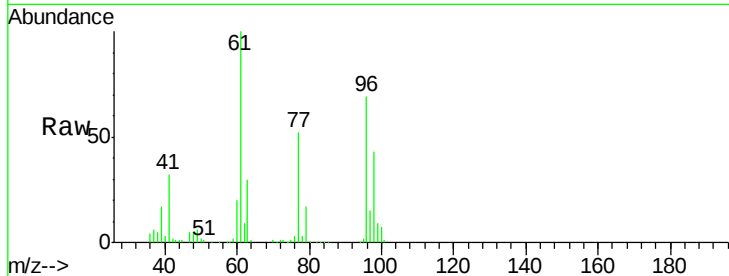
cis-1,2-Dichloroethene
Concen: 22.84 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX003241.D
Acq: 09 Jul 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.3	0.0	330.2
98	65.1	0.0	130.2

Manual Integrations
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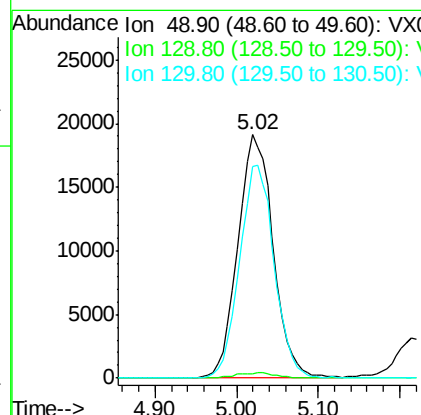
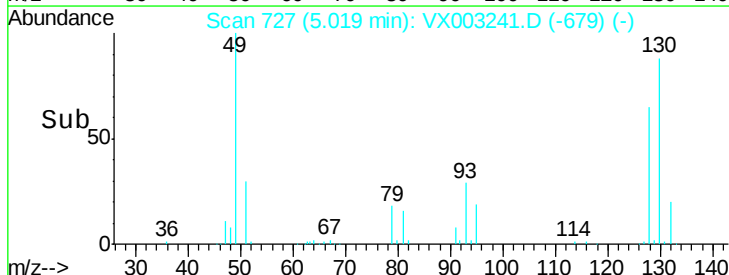
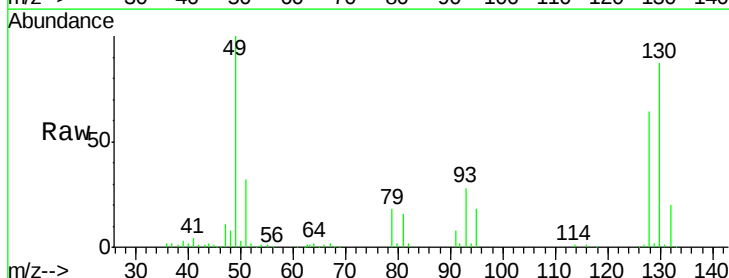
MMDadoda
7/10/2018 3:11:43 PM

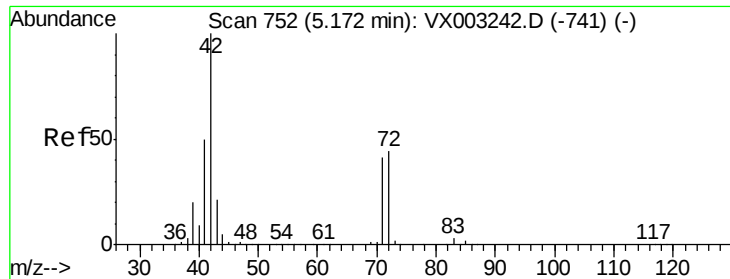


#28

Bromochloromethane
Concen: 23.24 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX003241.D
Acq: 09 Jul 2018 12:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	85.7	61.2	91.8





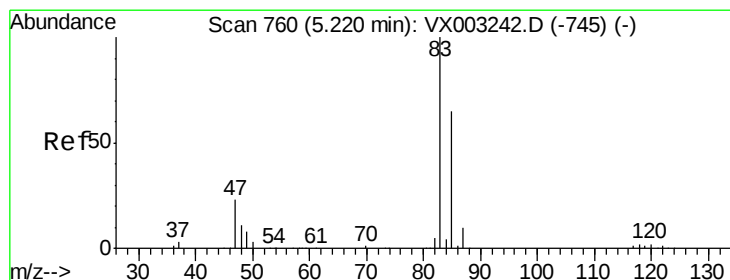
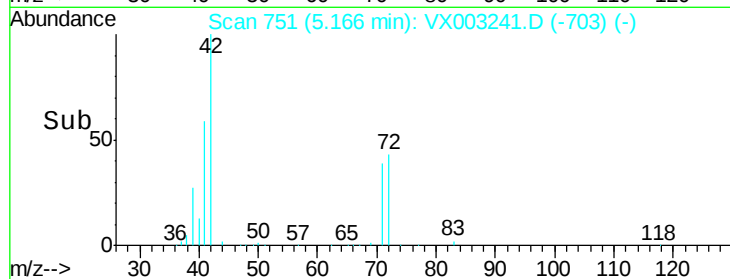
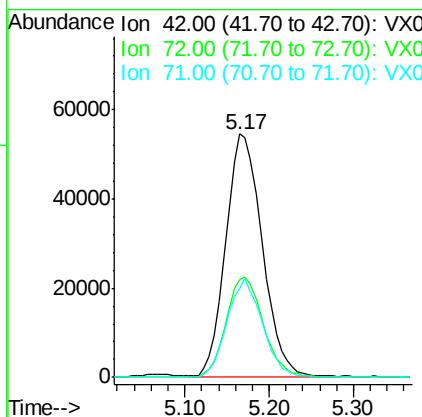
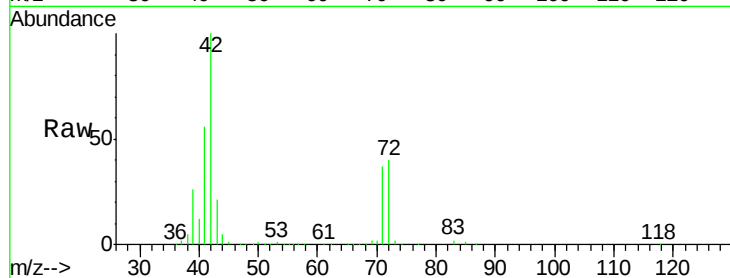
#29
Tetrahydrofuran
Concen: 115.21 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX003241.D
Acq: 09 Jul 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	32.0	48.0
71	39.4	30.1	45.1

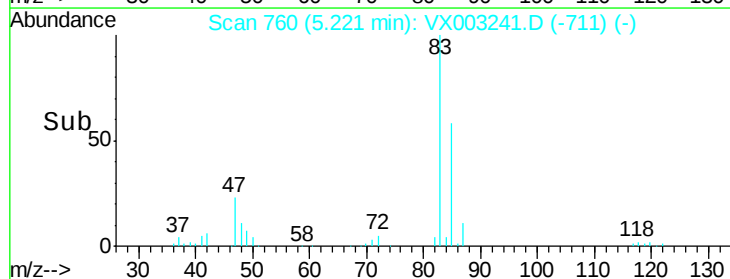
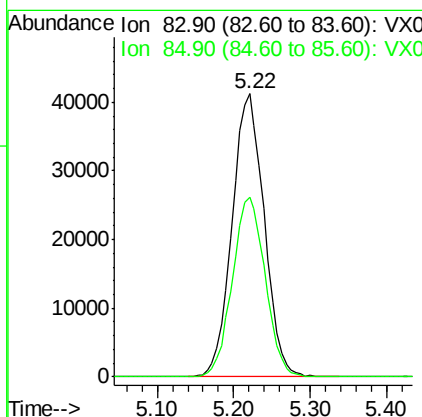
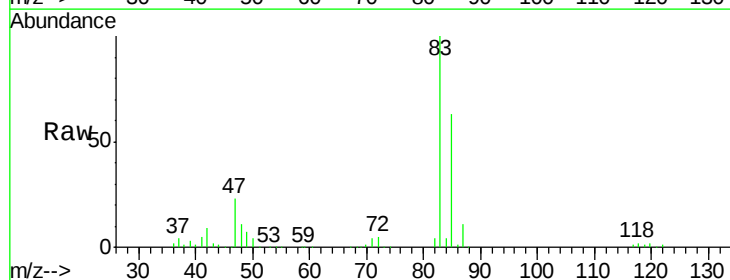
Manual Integrations
APPROVED

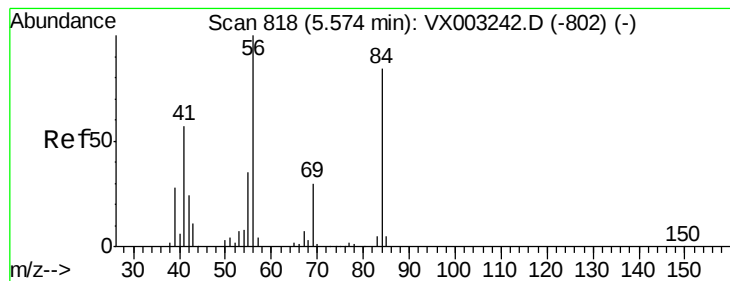
MMDadoda
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#30
Chloroform
Concen: 22.71 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003241.D
Acq: 09 Jul 2018 12:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.4	75.6





#31

Cyclohexane

Concen: 23.25 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

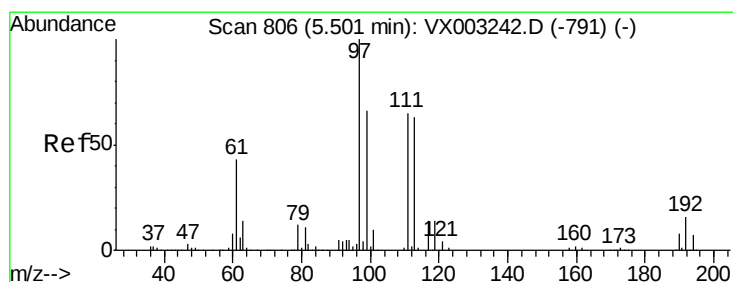
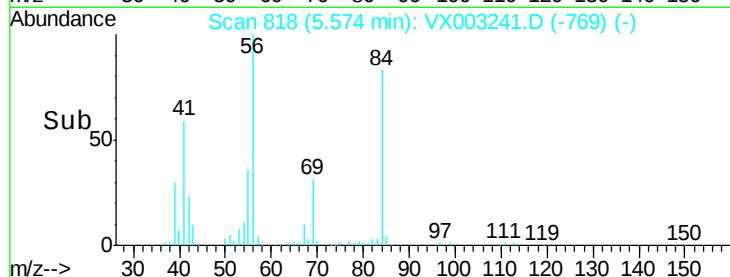
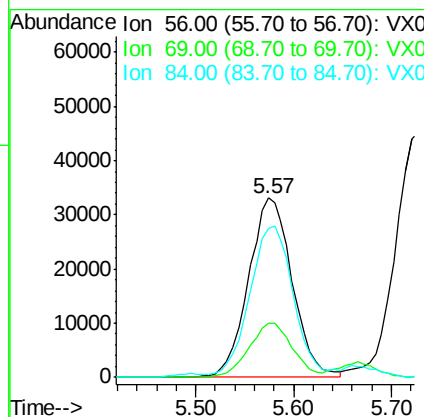
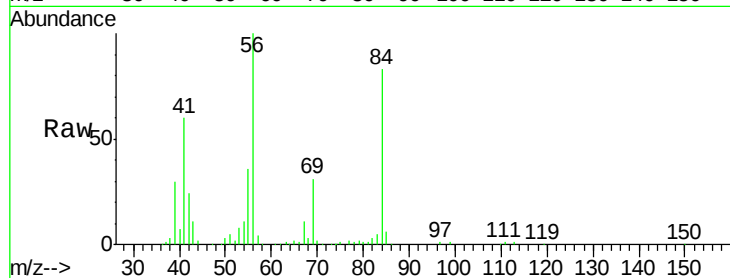
VSTDIC020

Tot Ion: 56 Resp: 102822

Ion	Ratio	Lower	Upper
56	100		
69	30.6	23.7	35.5
84	81.1	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 23.11 ug/l

RT: 5.50 min Scan# 806

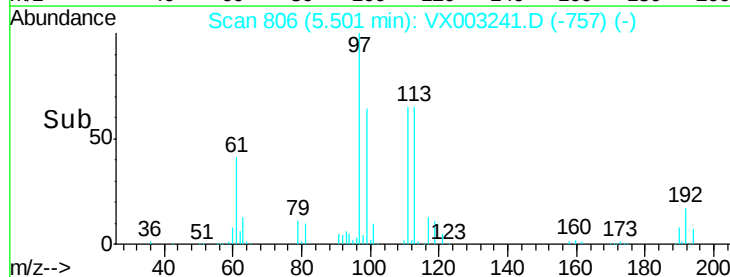
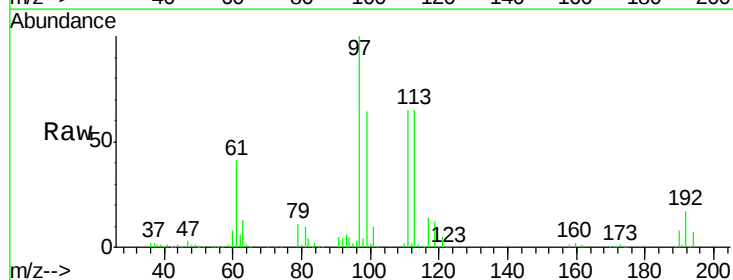
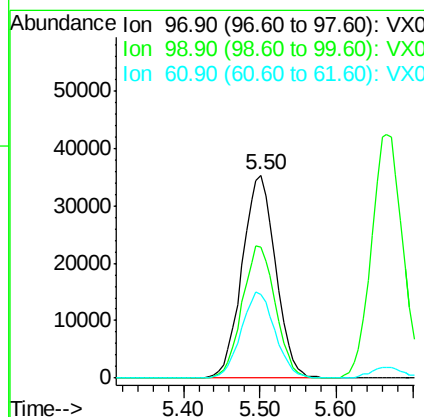
Delta R.T. 0.00 min

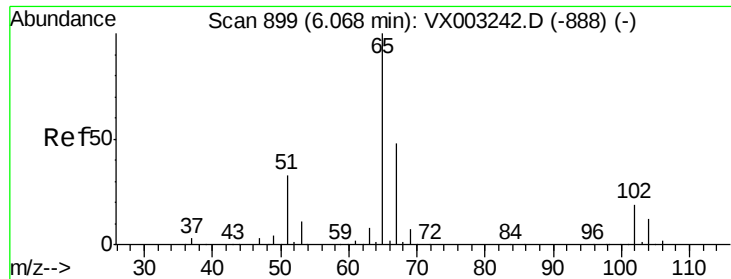
Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Tgt Ion: 97 Resp: 107552

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.6	77.4
61	42.8	36.4	54.6





#33

1,2-Dichloroethane-d4

Concen: 23.09 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Tot Ion: 65 Resp: 81412

Ion Ratio Lower Upper

65 100

67 52.6 0.0 102.6

Instrument :

MSVOA_X

ClientSampleId :

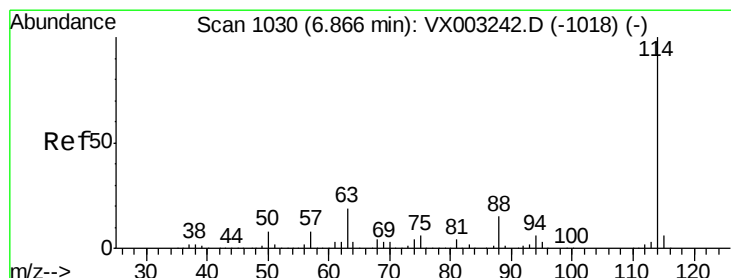
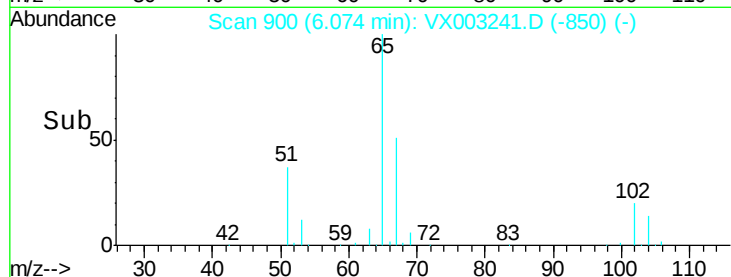
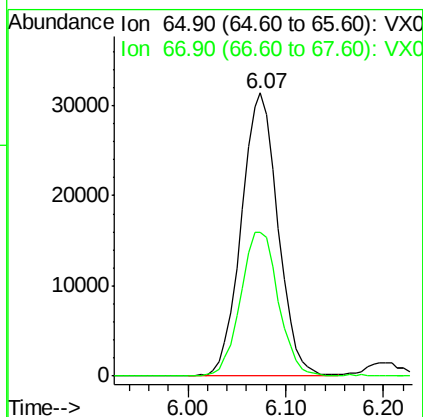
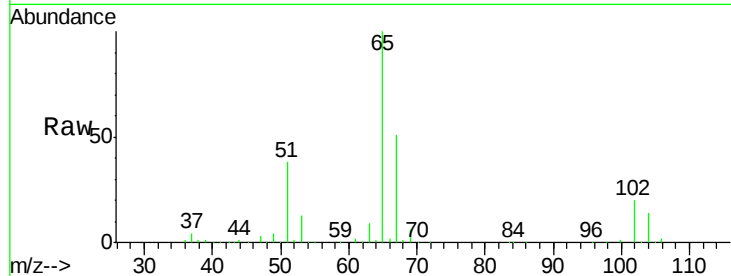
VSTDIC020

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

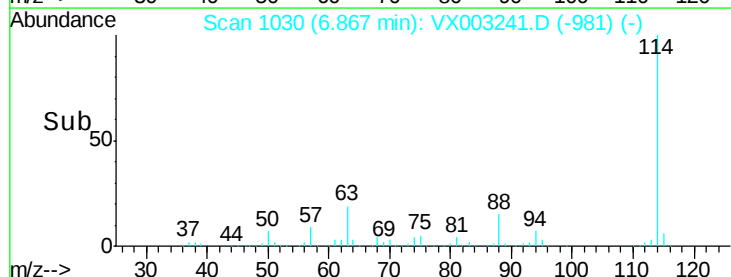
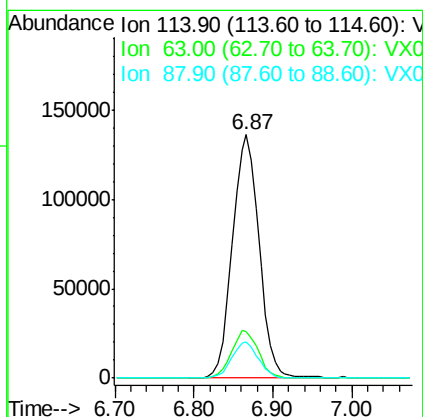
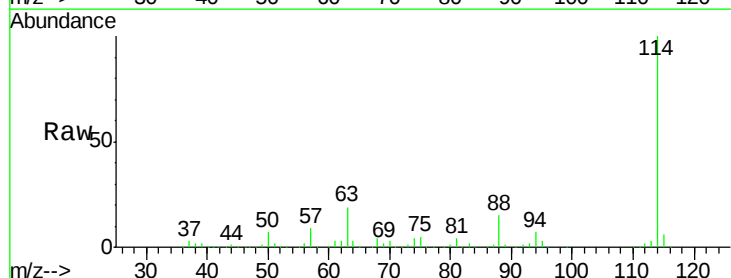
Tgt Ion: 114 Resp: 320077

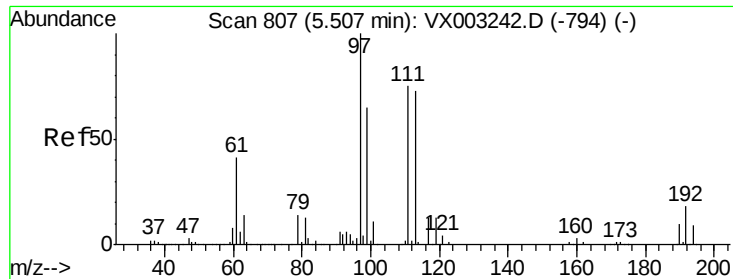
Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.4

88 14.9 0.0 30.0





#35

Dibromofluoromethane

Concen: 27.21 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Instrument :

MSVOA_X

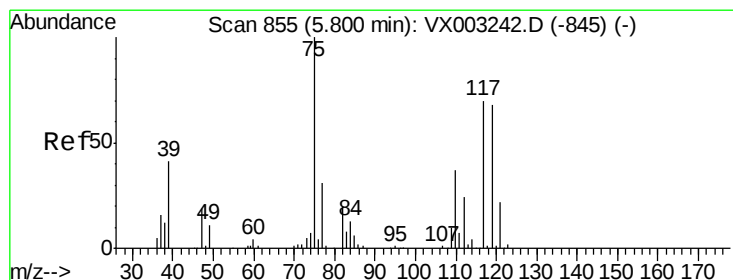
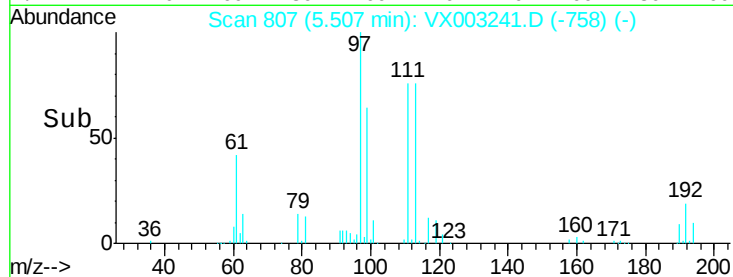
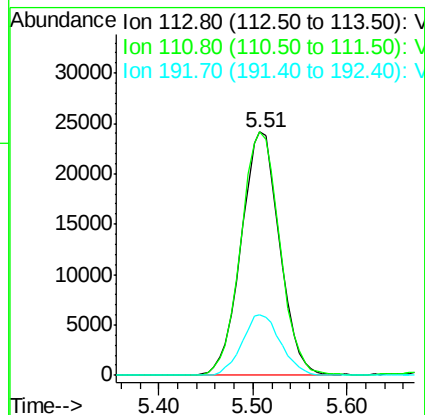
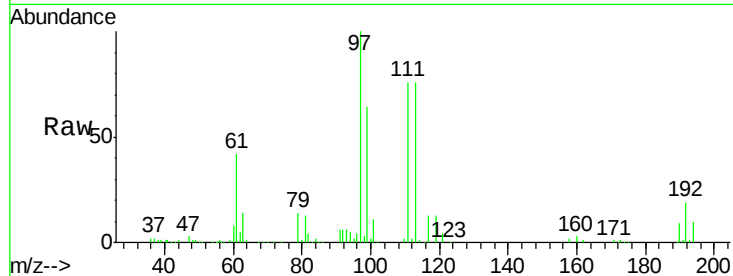
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	68968
Ion	Ratio	Lower	Upper
113	100		
111	101.0	81.4	122.0
192	24.9	19.1	28.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 24.51 ug/l

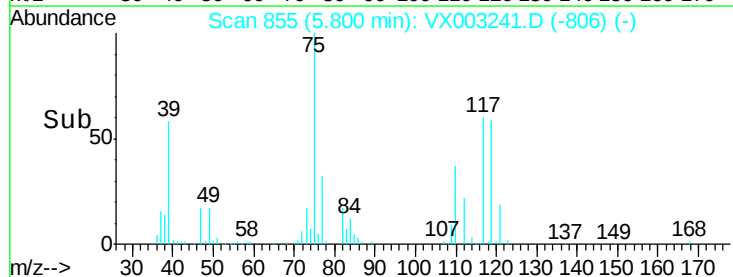
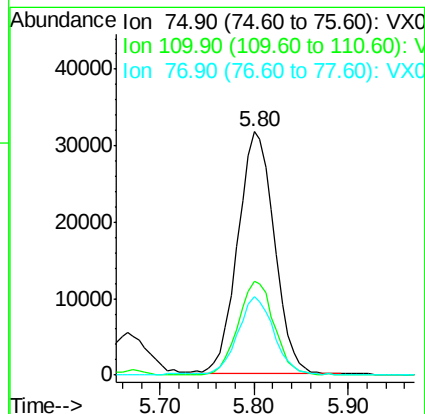
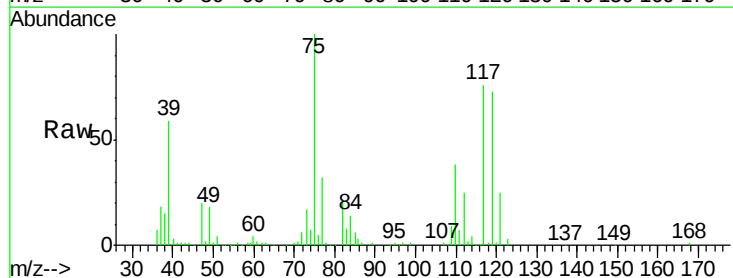
RT: 5.80 min Scan# 855

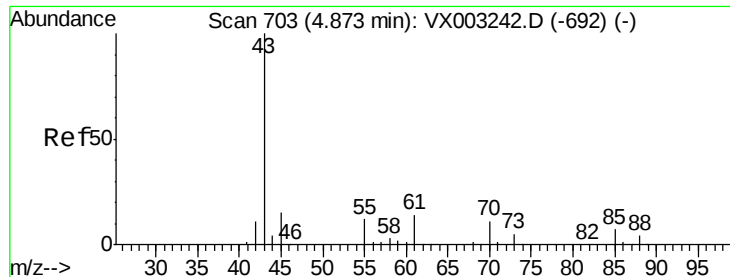
Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Tgt Ion:	75	Resp:	86037
Ion	Ratio	Lower	Upper
75	100		
110	38.2	18.1	54.4
77	31.7	24.3	36.5





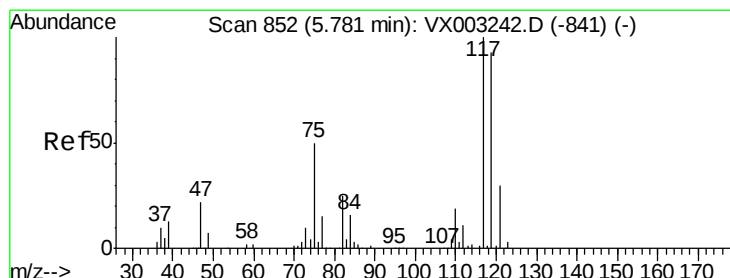
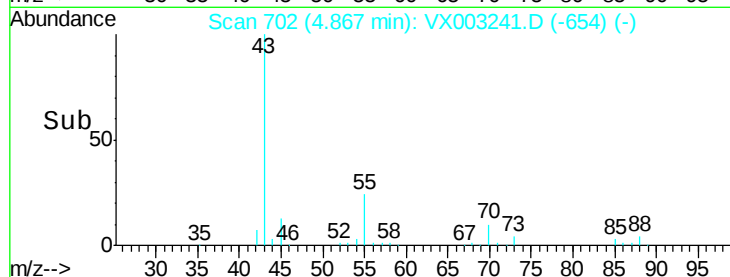
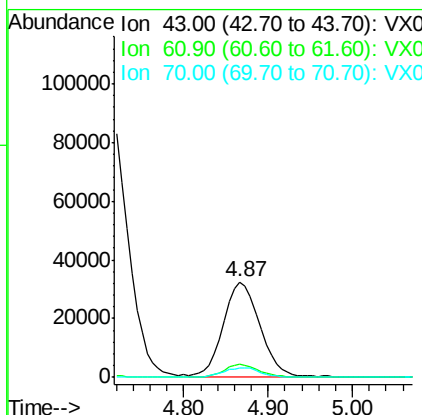
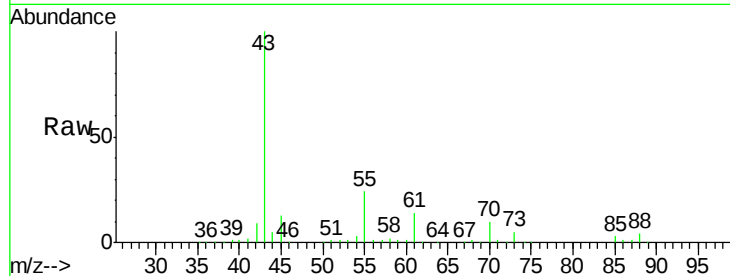
#37
Ethyl Acetate
Concen: 25.31 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX003241.D
Acq: 09 Jul 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.4	15.6
70	10.2	7.6	11.4

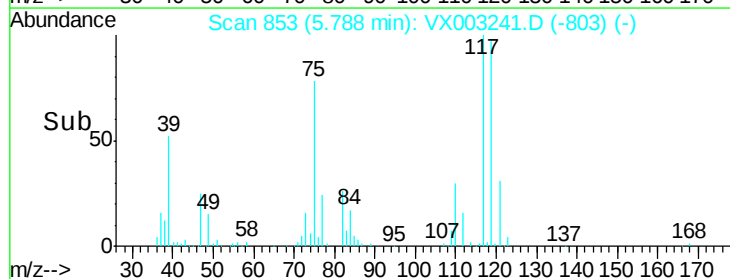
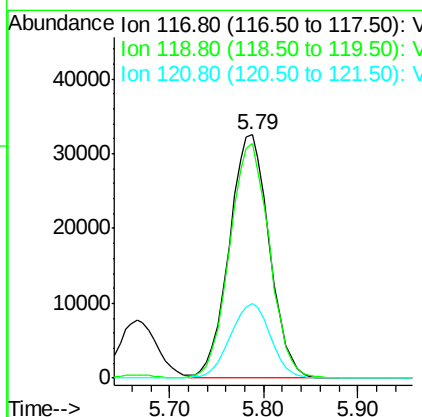
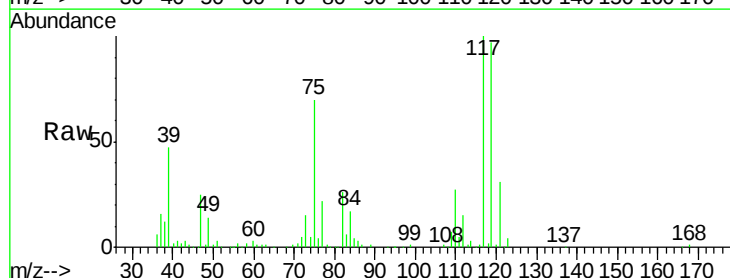
Manual Integrations
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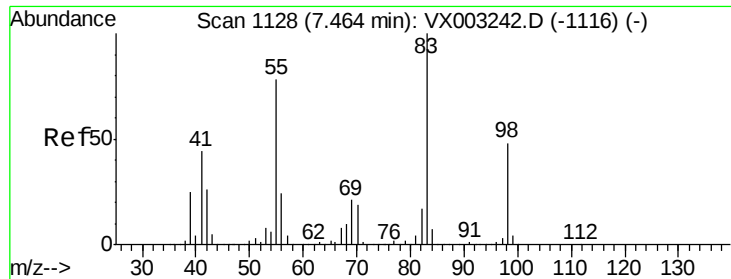
MMDadoda
7/10/2018 3:11:43 PM



#38
Carbon Tetrachloride
Concen: 25.09 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.01 min
Lab File: VX003241.D
Acq: 09 Jul 2018 12:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.4	116.0
121	30.6	24.4	36.6





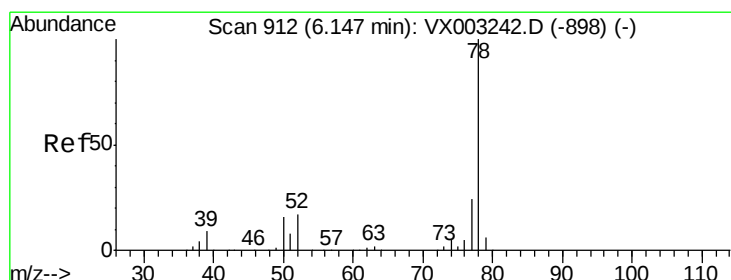
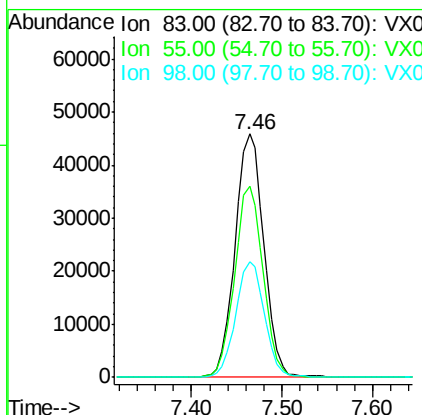
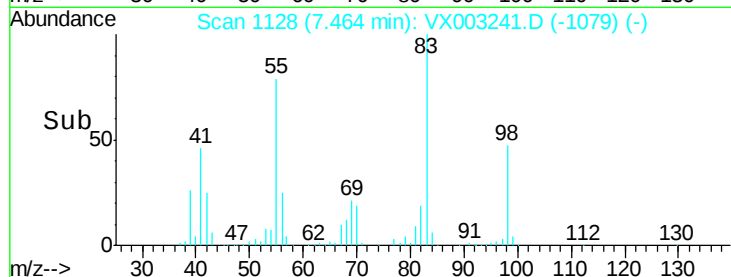
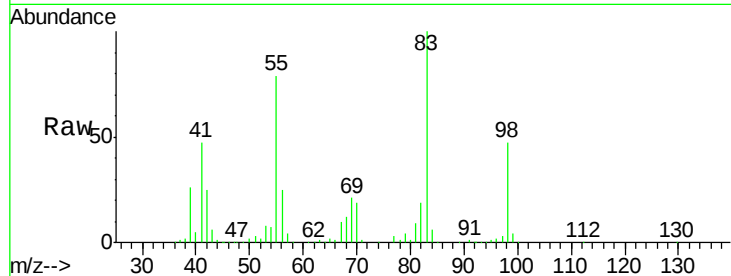
#39
Methylvlcyclohexane
Concen: 24.64 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003241.D
Acq: 09 Jul 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.5	65.4	98.0
98	47.4	37.4	56.0

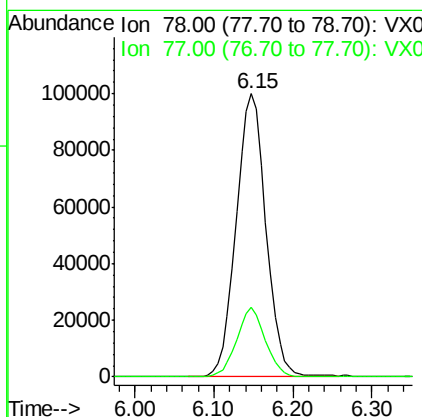
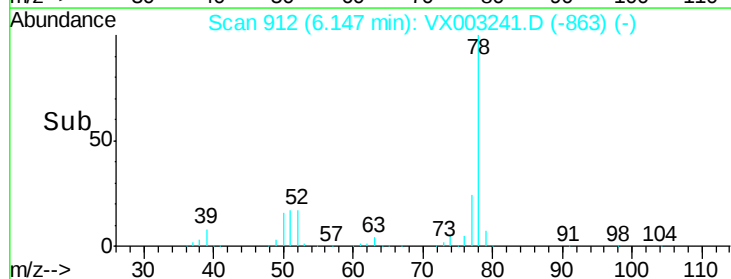
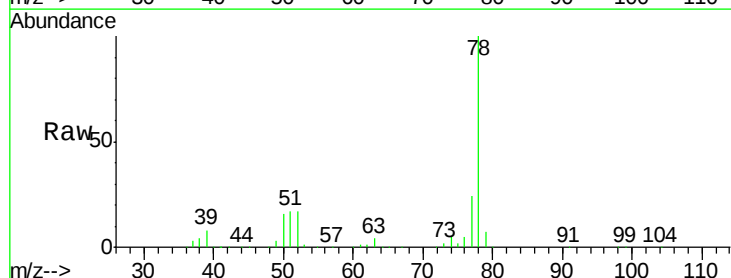
Manual Integrations
APPROVED

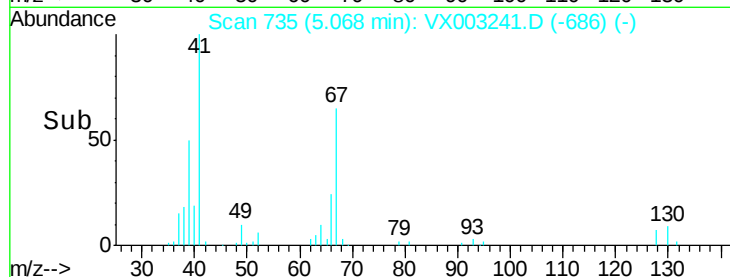
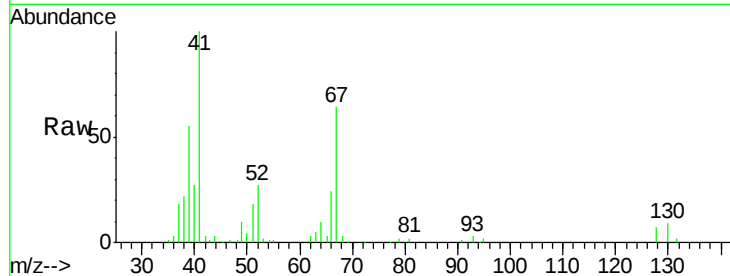
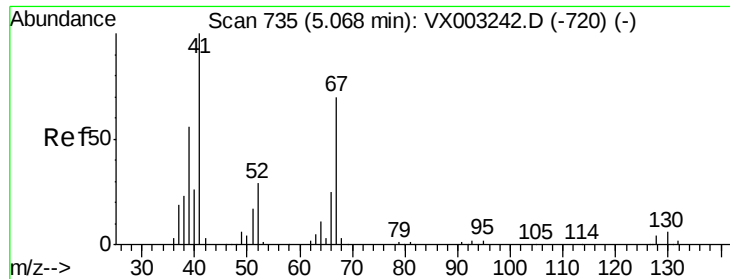
MMDadoda
7/10/2018 3:11:43 PM



#40
Benzene
Concen: 25.74 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003241.D
Acq: 09 Jul 2018 12:16

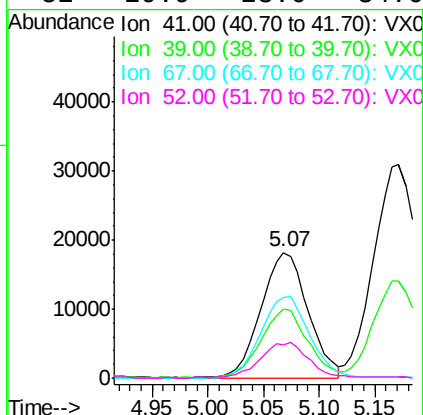
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.1	28.7





#41
Methacrylonitrile
Concen: 24.46 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003241.D
Acq: 09 Jul 2018 12:16

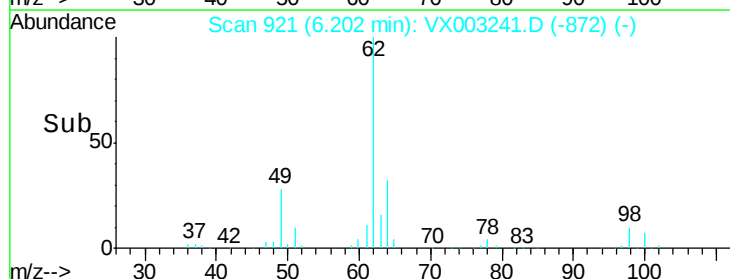
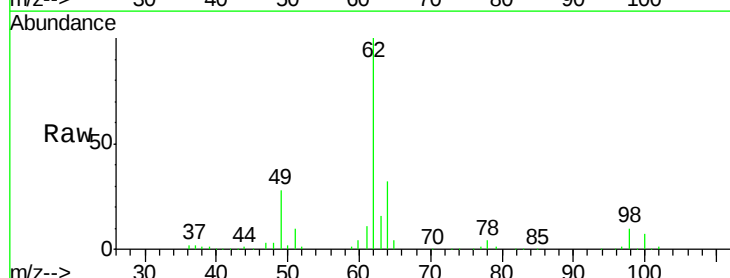
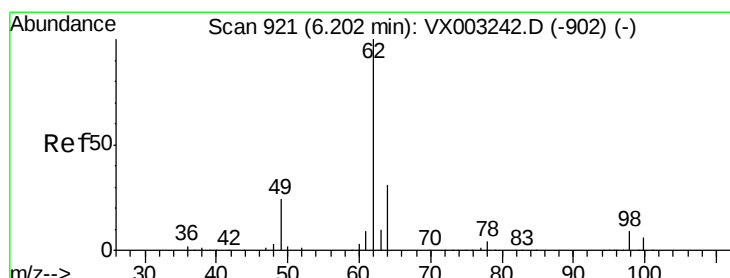
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.5	45.8	68.6	
67	68.6	51.3	76.9	
52	29.9	23.0	34.6	



Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

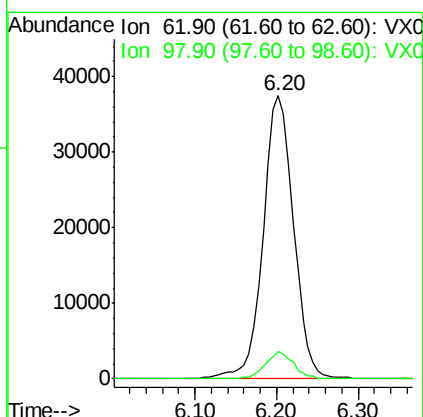
Manual Integrations
APPROVED

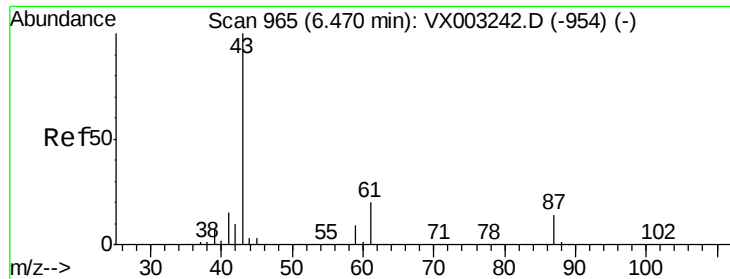
MMDadoda
7/10/2018 3:11:43 PM



#42
1,2-Dichloroethane
Concen: 23.55 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003241.D
Acq: 09 Jul 2018 12:16

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	16.6	





#43

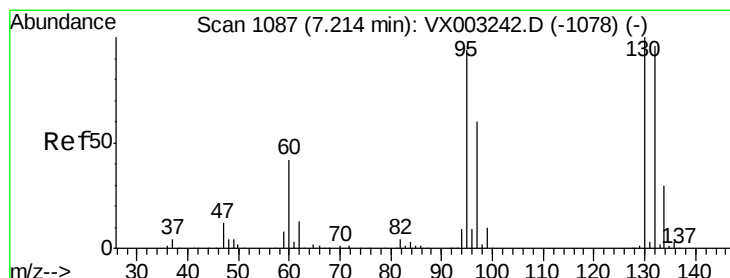
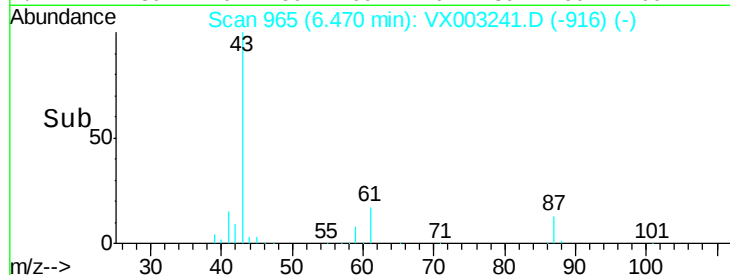
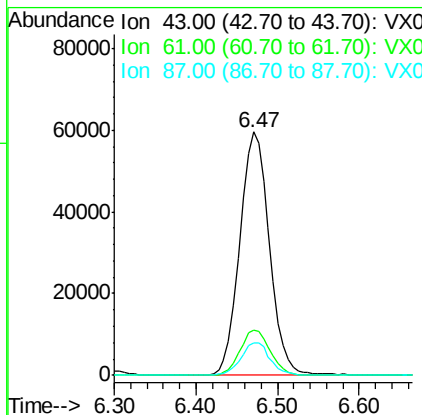
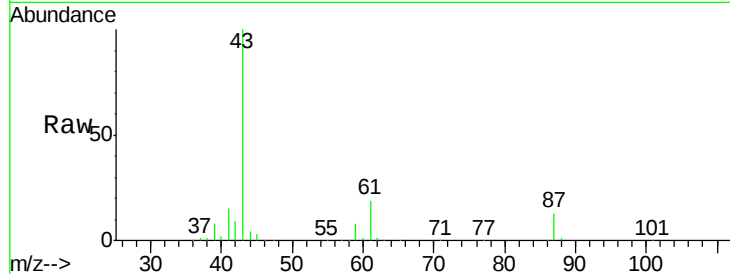
Isopropyl Acetate
 Concen: 23.53 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX003241.D
 Acq: 09 Jul 2018 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	14.4	21.6
87	13.2	9.5	14.3

Manual Integrations
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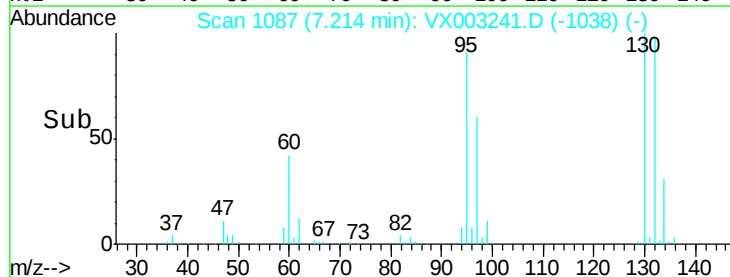
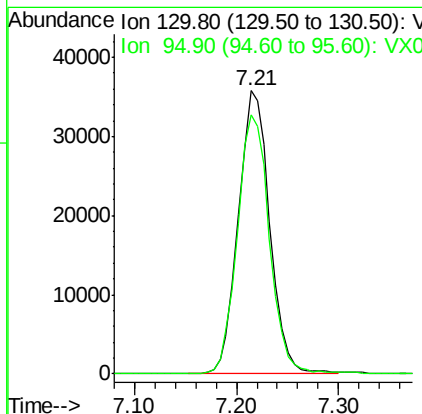
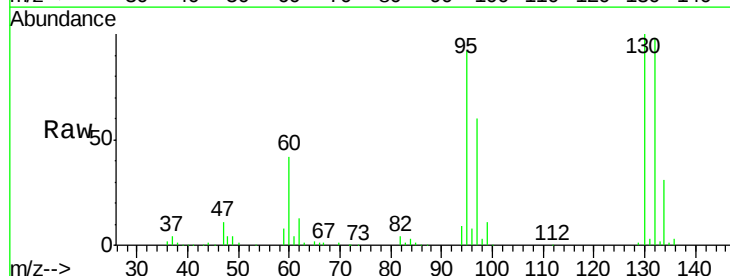
MMDadoda
 7/10/2018 3:11:43 PM

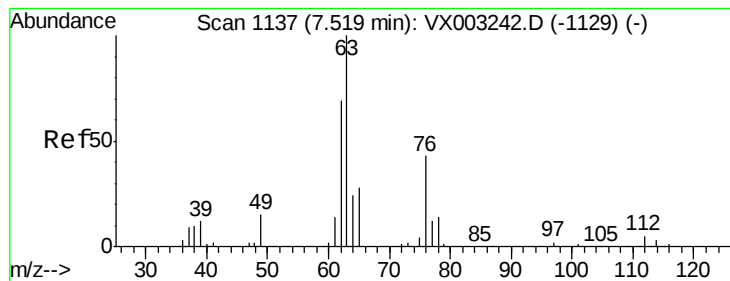


#44

Trichloroethene
 Concen: 25.19 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003241.D
 Acq: 09 Jul 2018 12:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.5	0.0	185.4





#45

1,2-Dichloropropane

Concen: 24.95 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 67511

Ion Ratio Lower Upper

63 100

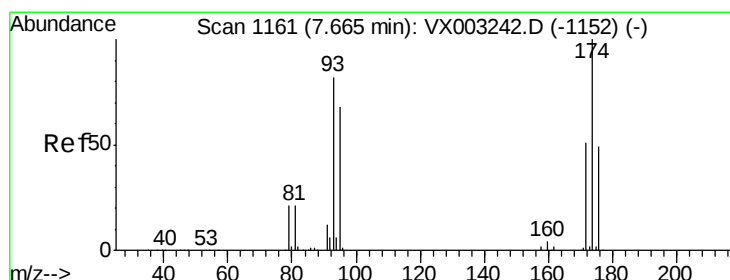
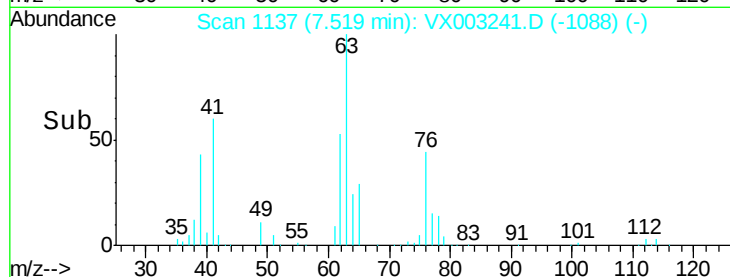
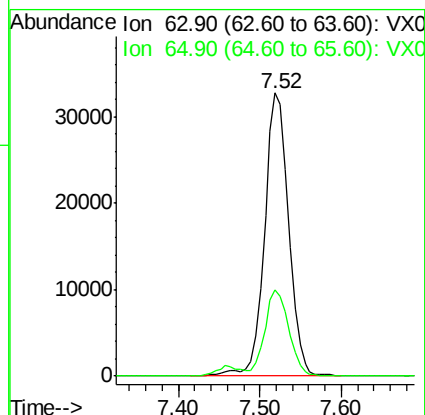
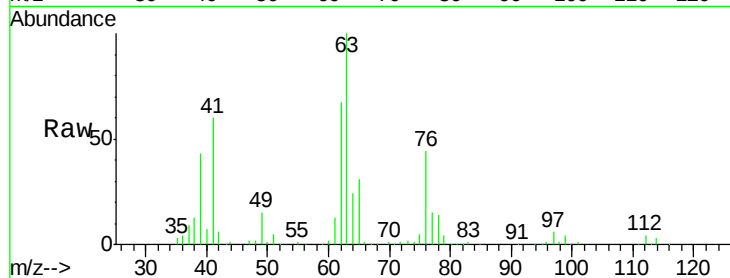
65 30.5 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 24.49 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

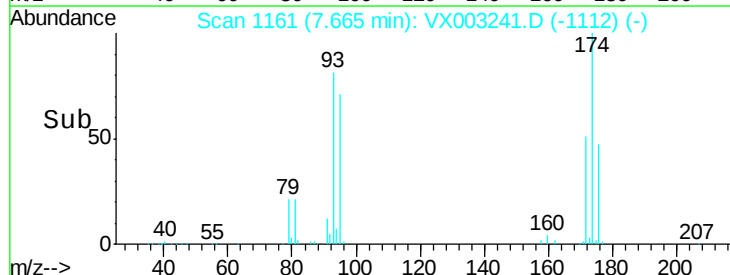
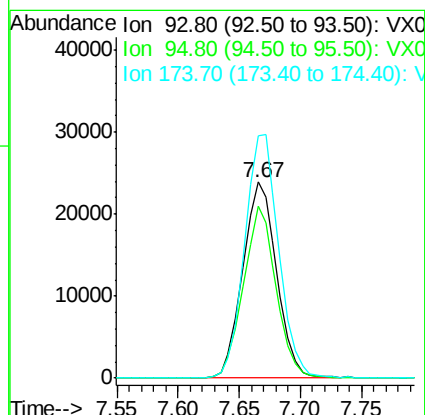
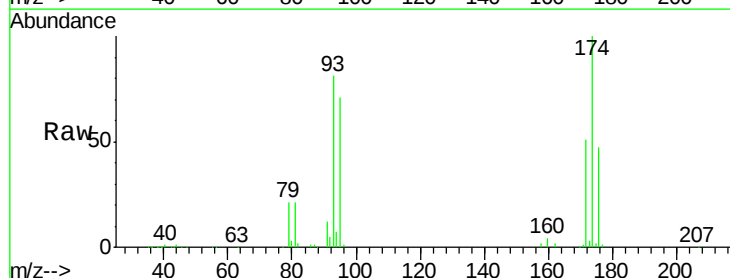
Tgt Ion: 93 Resp: 45975

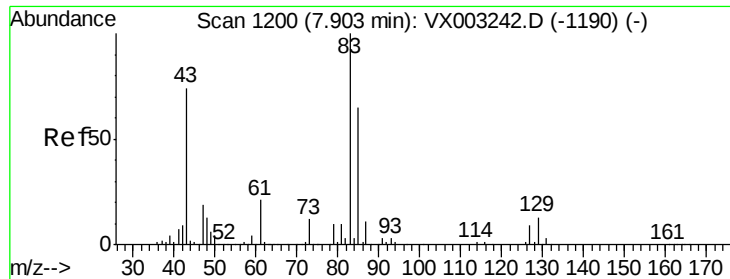
Ion Ratio Lower Upper

93 100

95 84.5 65.9 98.9

174 125.4 92.4 138.6





#47

Bromodichloromethane

Concen: 24.37 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Instrument :

MSVOA_X

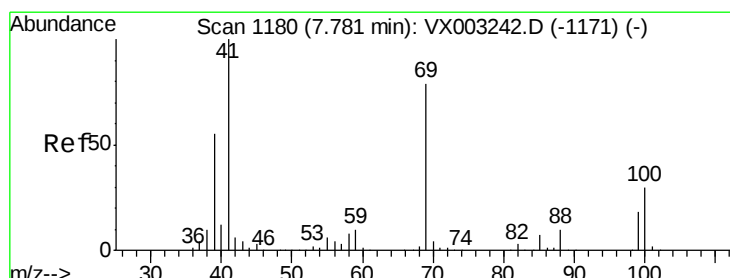
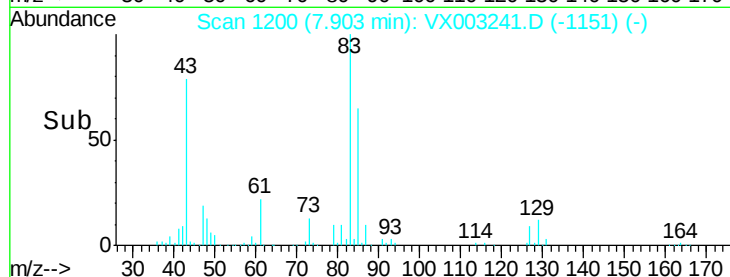
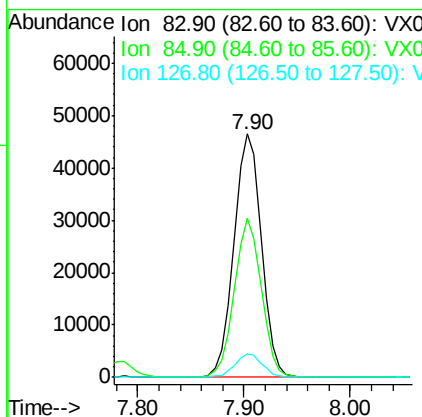
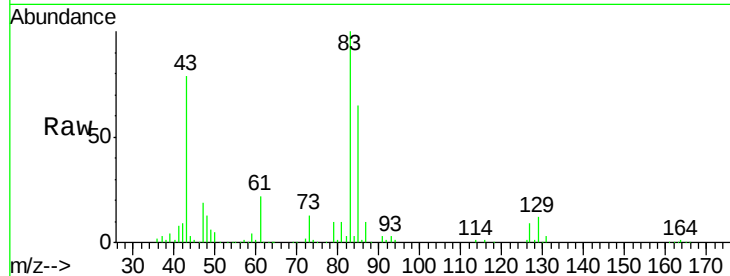
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	84569
Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.3	75.5
127	9.5	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 23.60 ug/l

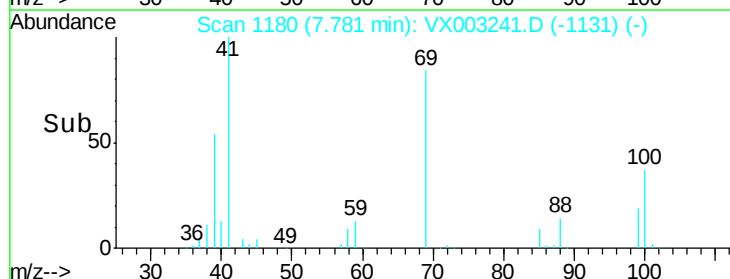
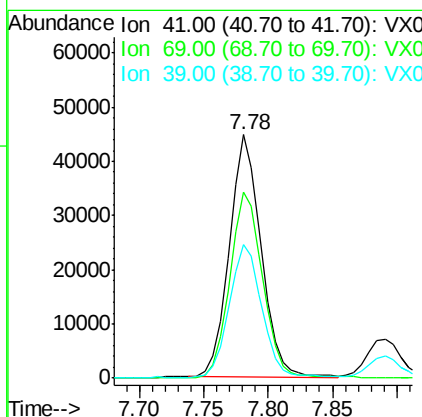
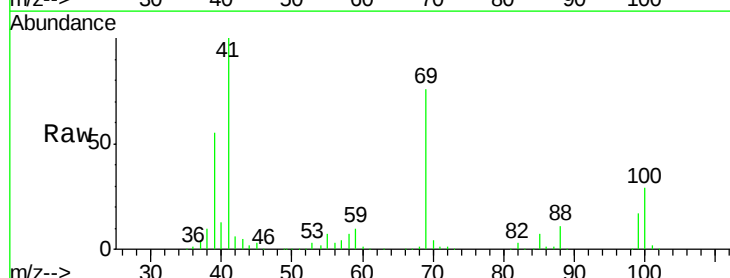
RT: 7.78 min Scan# 1180

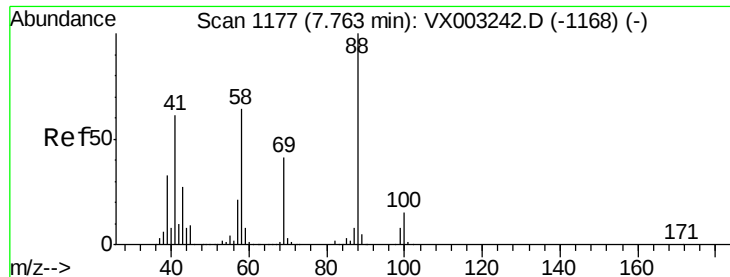
Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Tgt Ion:	41	Resp:	77066
Ion	Ratio	Lower	Upper
41	100		
69	79.3	59.1	88.7
39	55.8	48.9	73.3





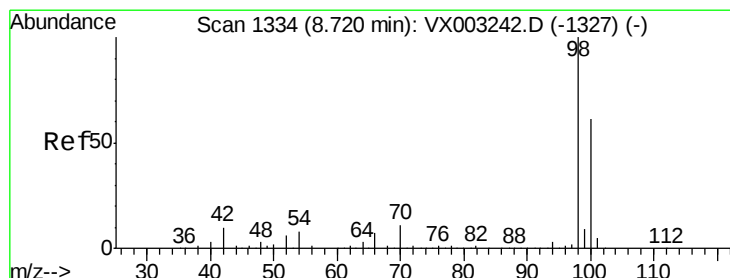
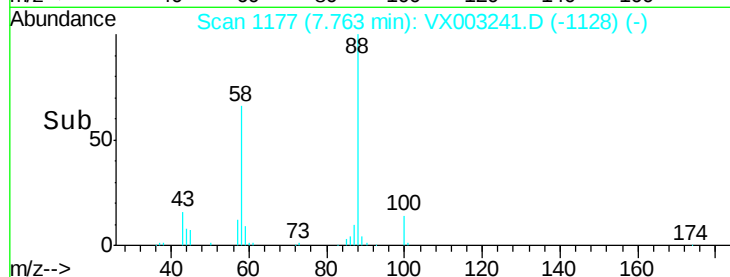
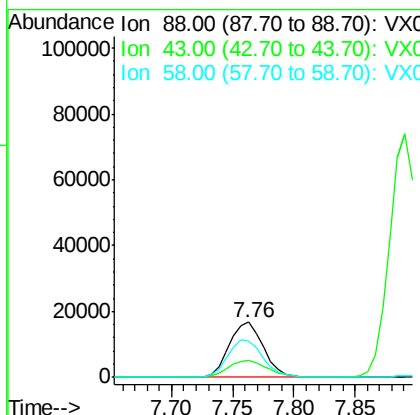
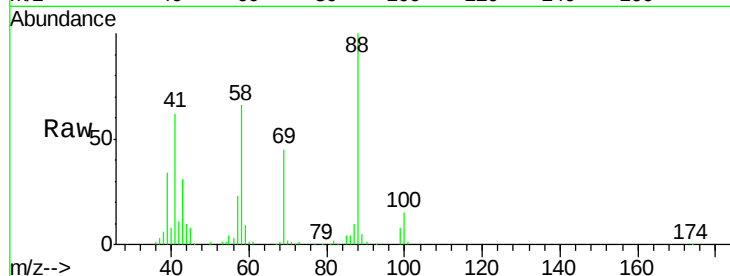
#49
1,4-Dioxane
Concen: 512.01 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX003241.D
Acq: 09 Jul 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	29.8	44.6
58	71.9	57.1	85.7

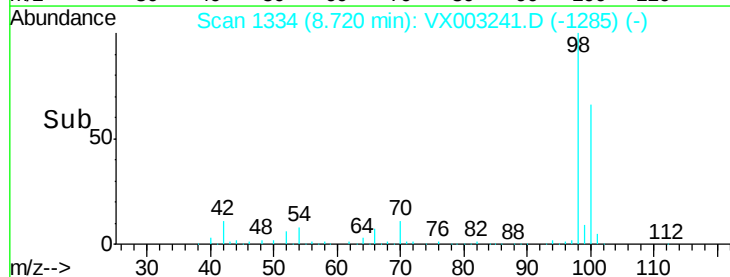
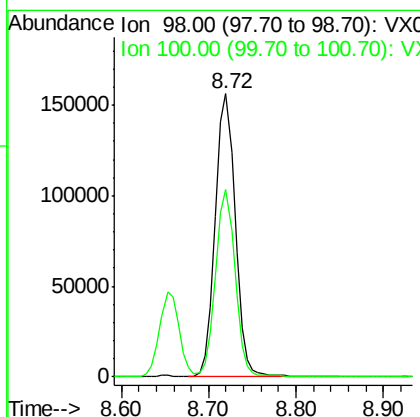
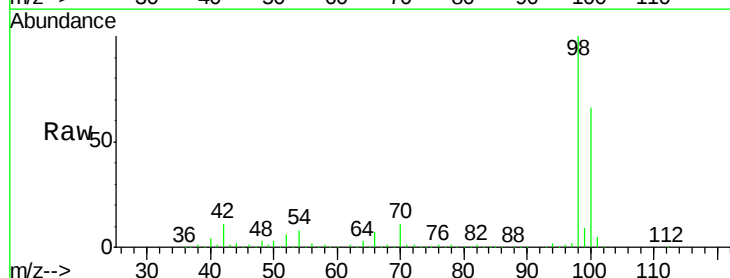
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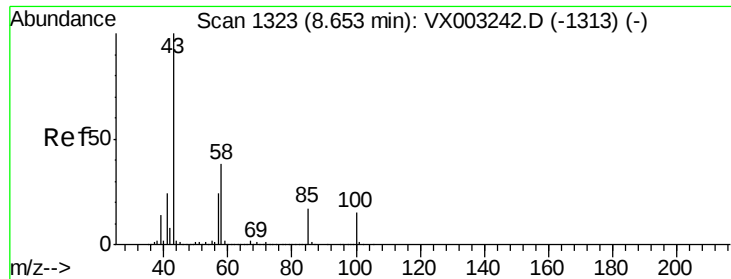
MMDadoda
7/10/2018 3:11:43 PM



#50
Toluene-d8
Concen: 26.82 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003241.D
Acq: 09 Jul 2018 12:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 123.99 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 491694

Ion Ratio Lower Upper

43 100

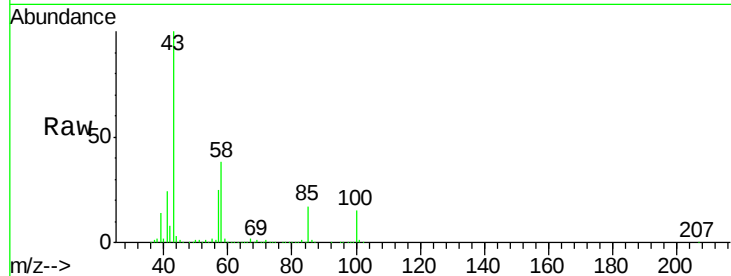
58 37.3 28.6 42.8

Manual Integrations

APPROVED

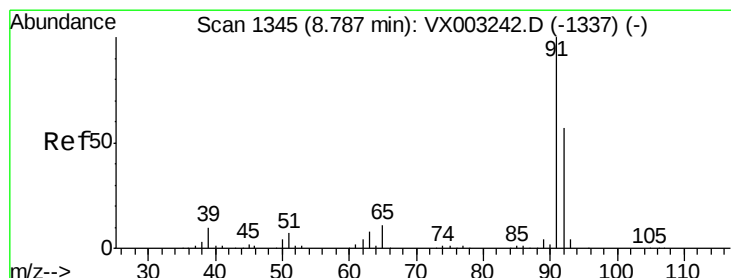
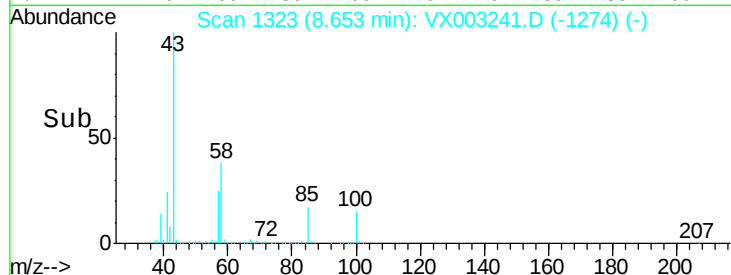
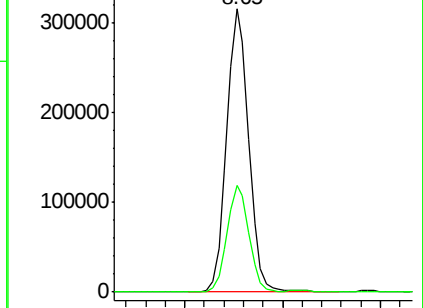
MMDadoda

7/10/2018 3:11:43 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 25.47 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003241.D

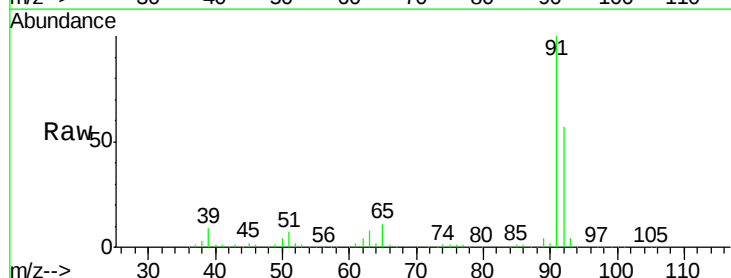
Acq: 09 Jul 2018 12:16

Tgt Ion: 92 Resp: 166428

Ion Ratio Lower Upper

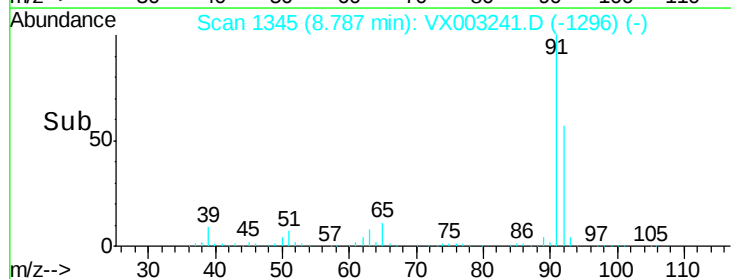
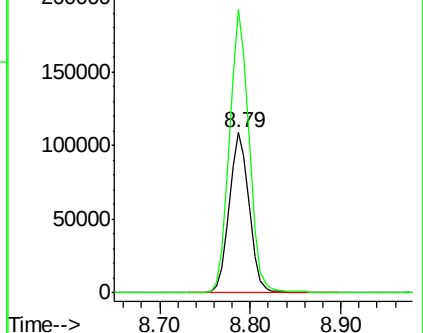
92 100

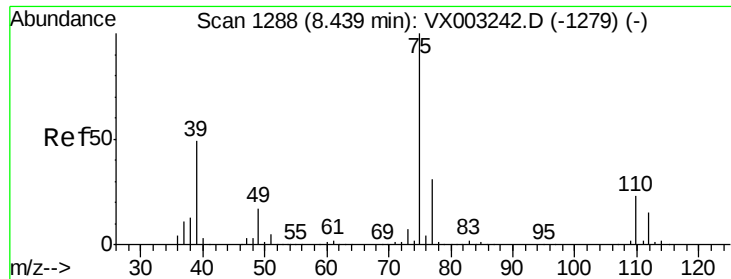
91 174.8 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





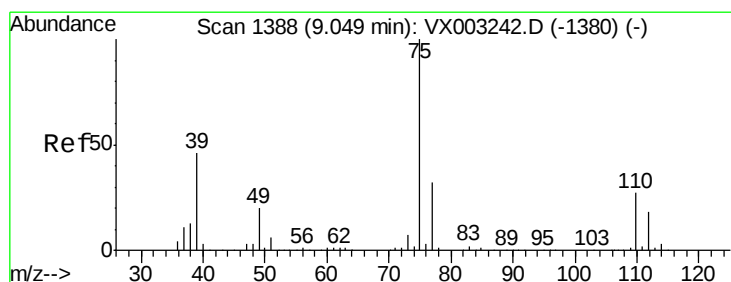
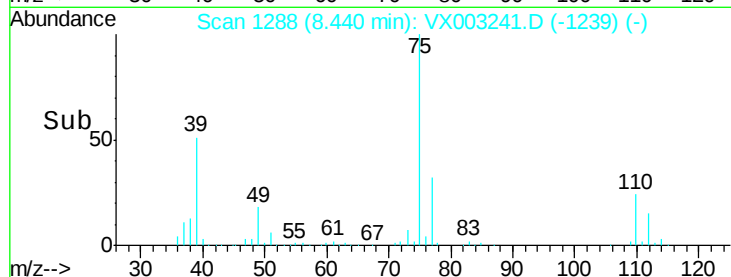
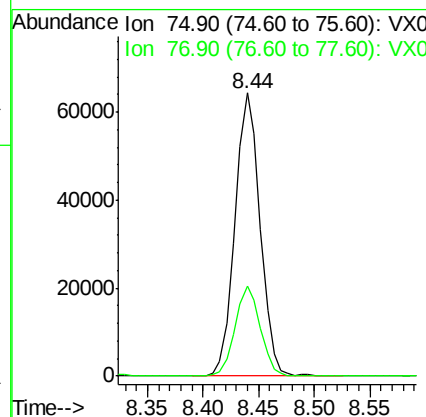
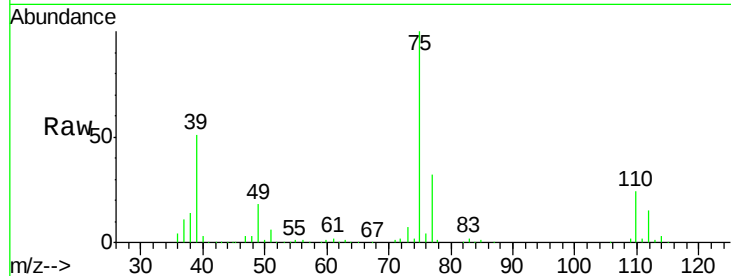
#53
t-1,3-Dichloropropene
Concen: 25.52 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003241.D
Acq: 09 Jul 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.2

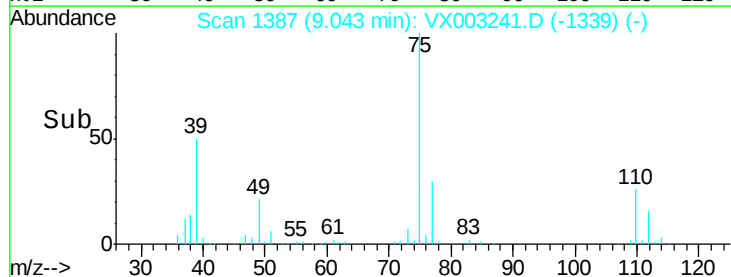
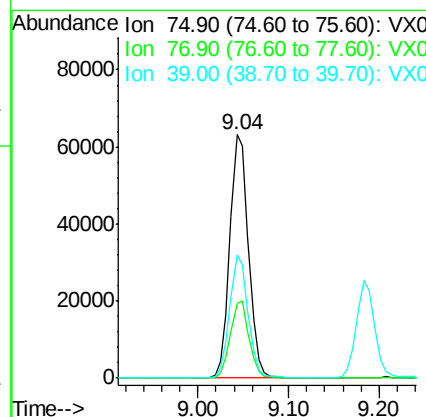
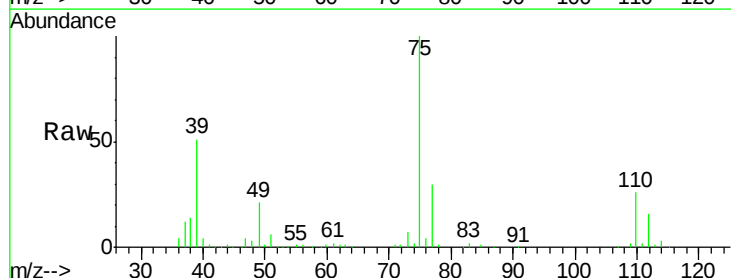
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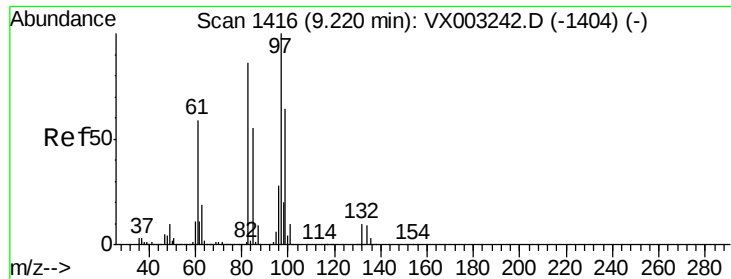
MMDadoda
7/10/2018 3:11:43 PM



#54
cis-1,3-Dichloropropene
Concen: 23.90 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX003241.D
Acq: 09 Jul 2018 12:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.8	37.2
39	50.4	42.4	63.6





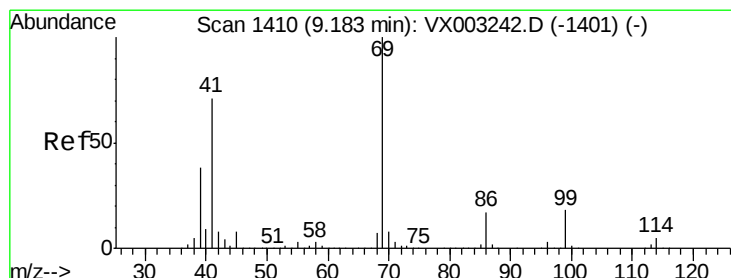
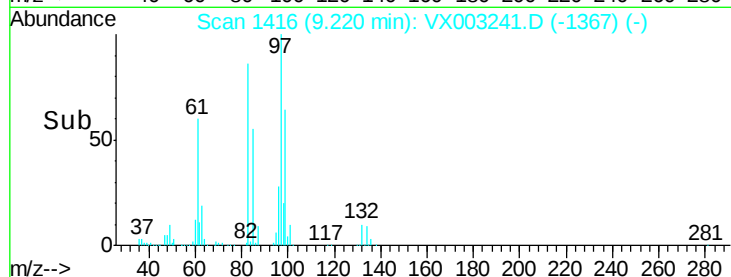
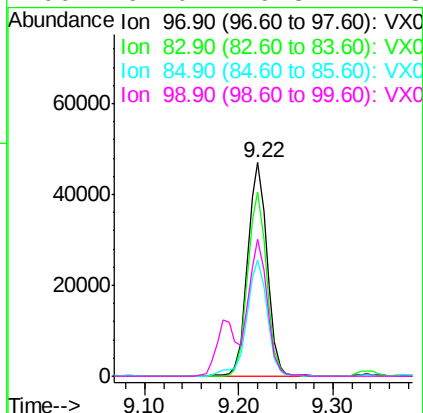
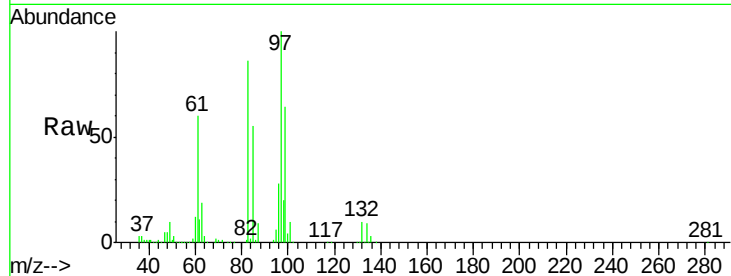
#55
 1,1,2-Trichloroethane
 Concen: 25.48 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003241.D
 Acq: 09 Jul 2018 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.2	105.2
85	54.7	44.9	67.3
99	64.0	49.8	74.8

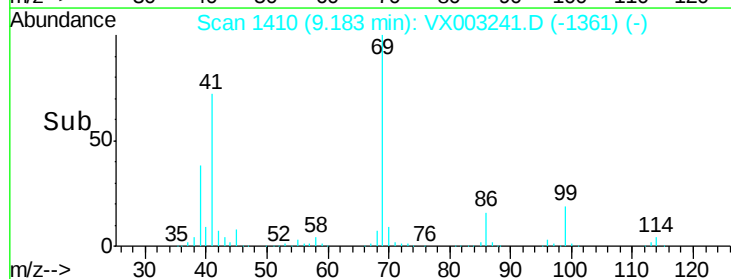
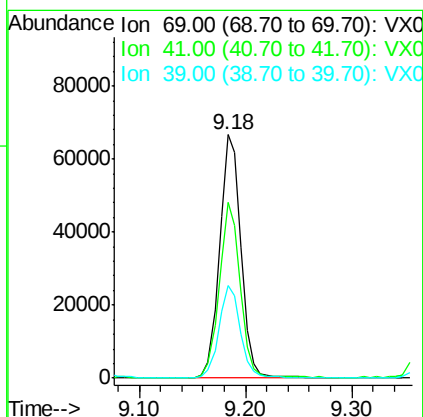
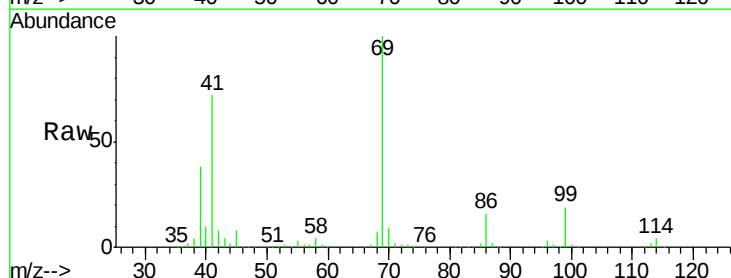
Manual Integrations
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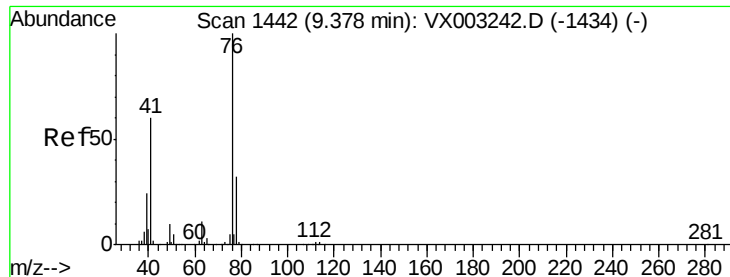
MMDadoda
 7/10/2018 3:11:43 PM



#56
 Ethyl methacrylate
 Concen: 23.77 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003241.D
 Acq: 09 Jul 2018 12:16

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.1	60.3	90.5
39	37.8	35.8	53.8





#57

1,3-Dichloropropane

Concen: 24.85 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 109564

Ion Ratio Lower Upper

76 100

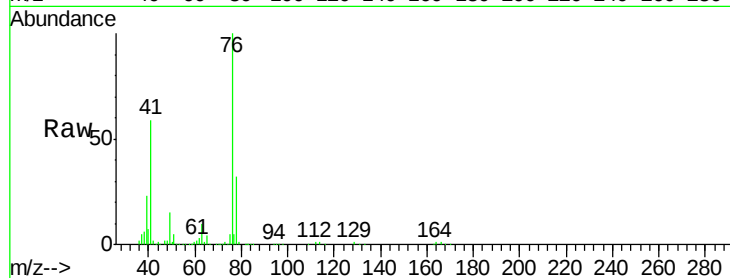
78 32.4 25.8 38.6

Manual Integrations

APPROVED

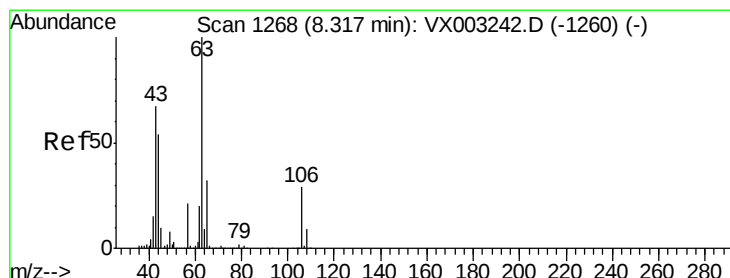
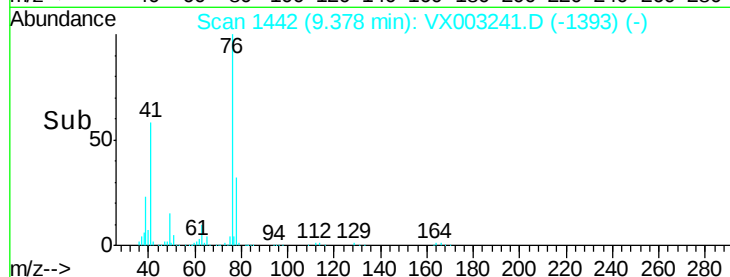
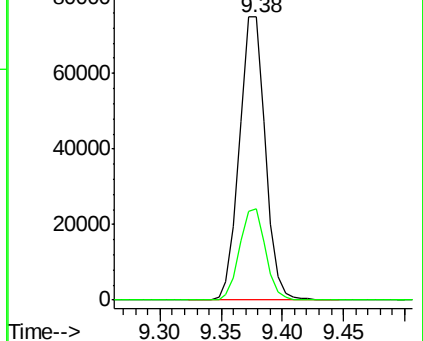
MMDadoda

7/10/2018 3:11:43 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 128.32 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003241.D

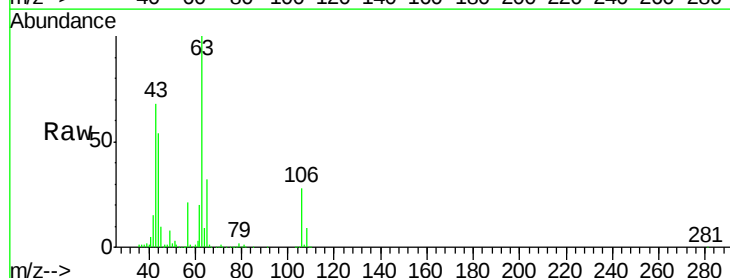
Acq: 09 Jul 2018 12:16

Tgt Ion: 63 Resp: 242911

Ion Ratio Lower Upper

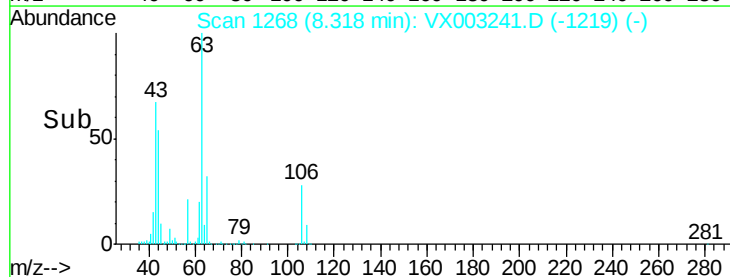
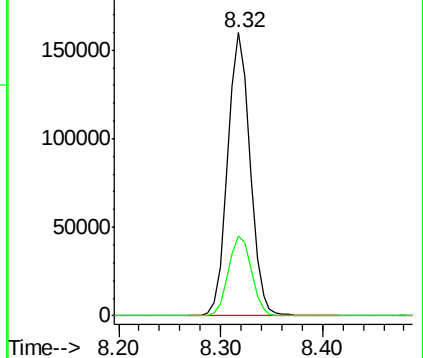
63 100

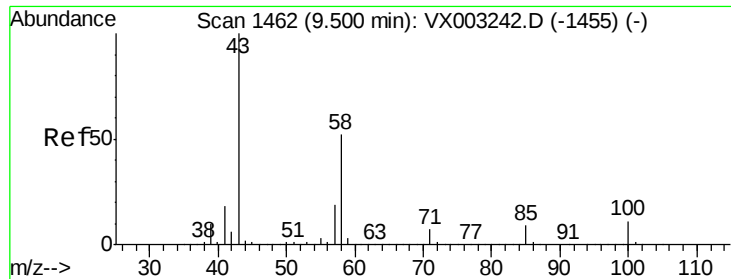
106 28.9 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





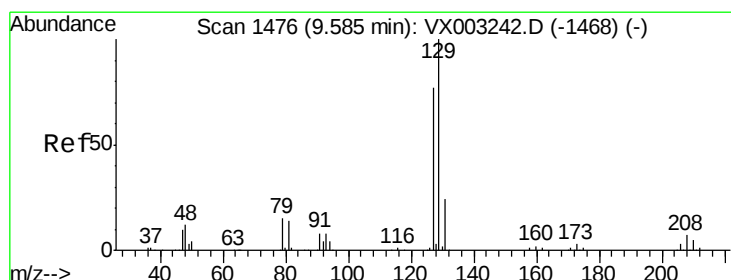
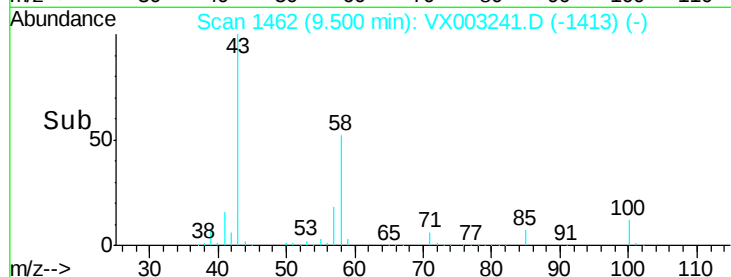
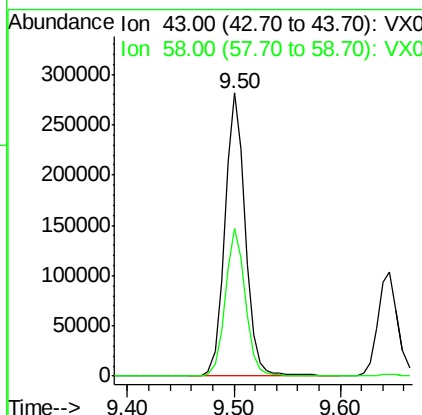
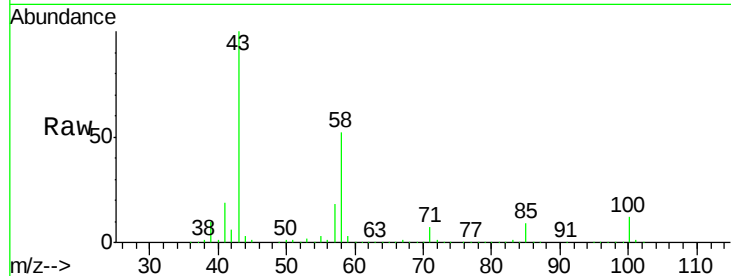
#59
2-Hexanone
Concen: 125.14 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003241.D
Acq: 09 Jul 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.6	24.6	73.6

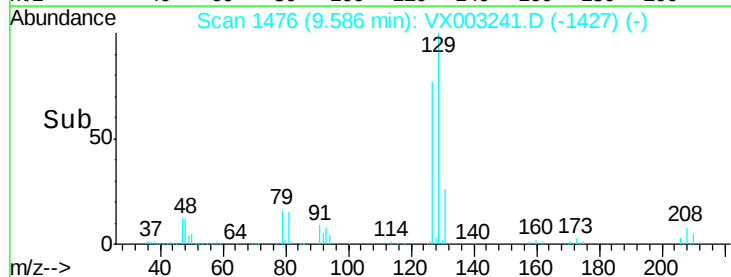
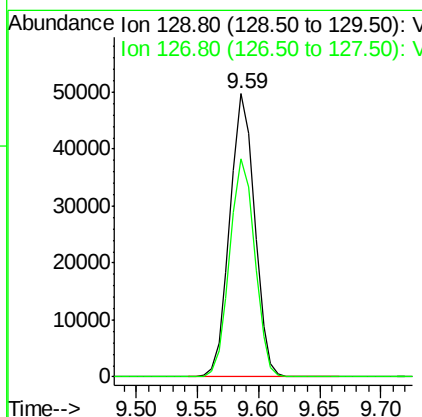
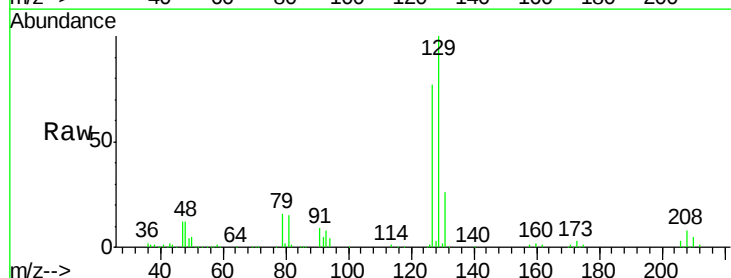
Manual Integrations
APPROVED

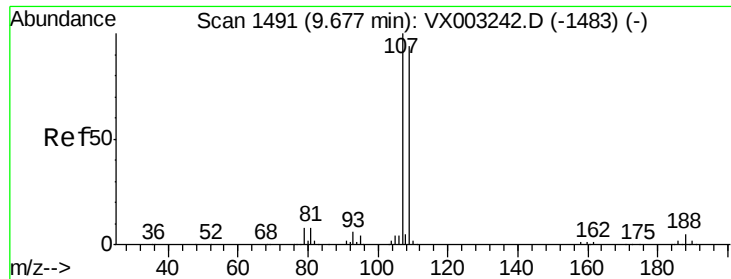
MMDadoda
7/10/2018 3:11:43 PM



#60
Dibromochloromethane
Concen: 24.74 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003241.D
Acq: 09 Jul 2018 12:16

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.5	115.3





#61

1,2-Dibromoethane

Concen: 25.48 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 71749

Ion Ratio Lower Upper

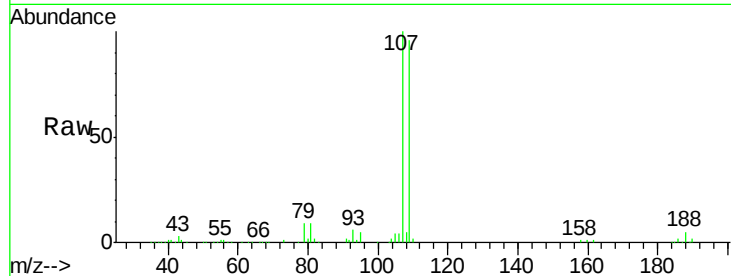
107 100

109 94.3 75.3 112.9

Manual Integrations
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MMDadoda

7/10/2018 3:11:43 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

60000

50000

40000

30000

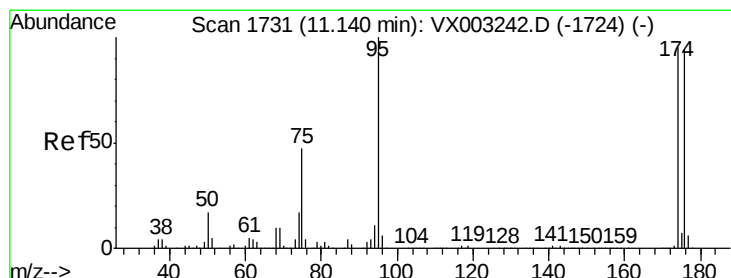
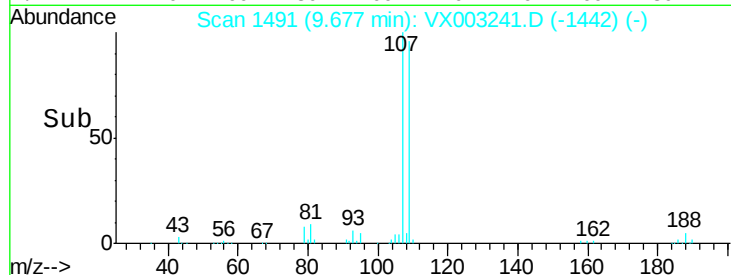
20000

10000

0

9.60 9.65 9.70 9.75 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 25.05 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

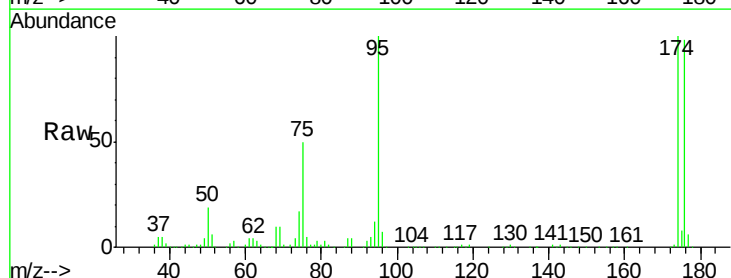
Tgt Ion: 95 Resp: 89417

Ion Ratio Lower Upper

95 100

174 98.6 0.0 187.4

176 96.3 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

100000

80000

60000

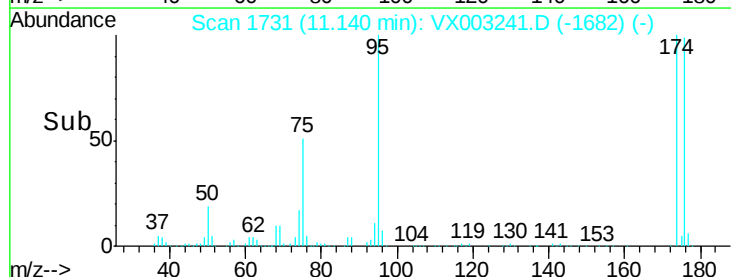
40000

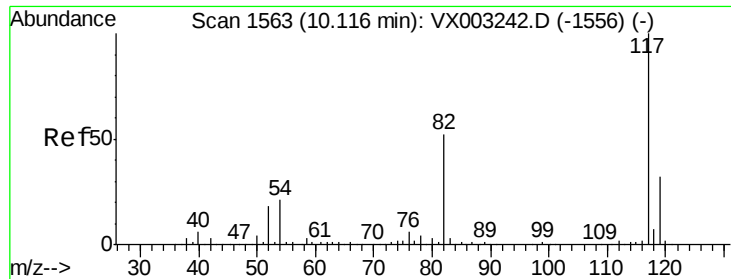
20000

0

11.10 11.20

Time-->





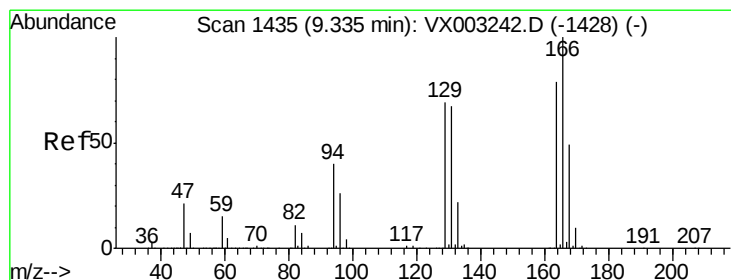
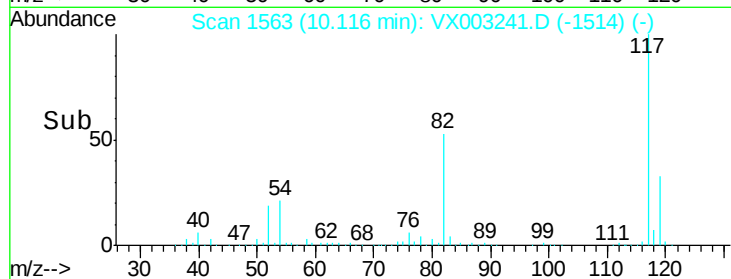
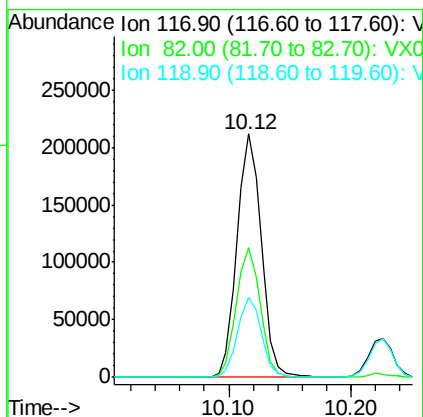
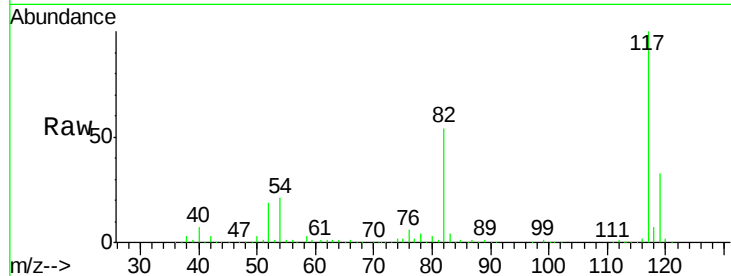
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003241.D
Acq: 09 Jul 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	45.0	67.4
119	32.9	25.8	38.6

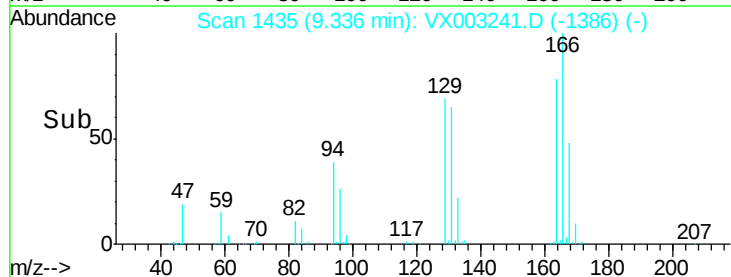
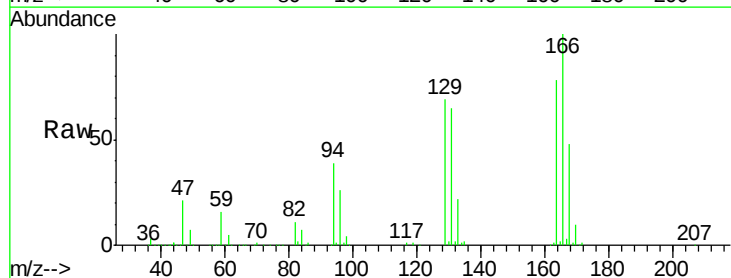
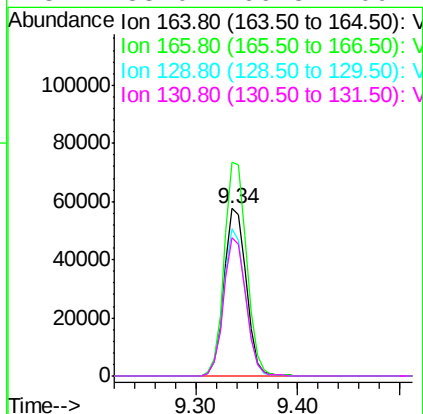
Manual Integrations
APPROVED

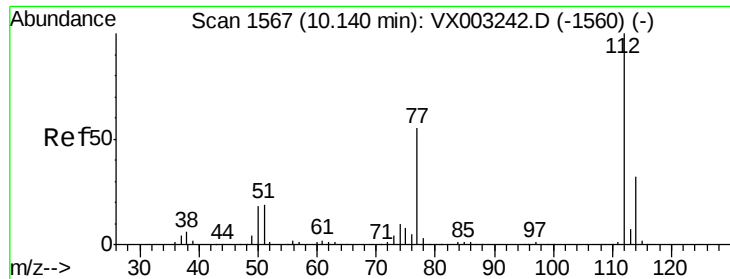
MMDadoda
7/10/2018 3:11:43 PM



#64
Tetrachloroethene
Concen: 26.76 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003241.D
Acq: 09 Jul 2018 12:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	102.9	154.3
129	88.2	68.6	102.8
131	83.0	66.8	100.2





#65

Chlorobenzene

Concen: 25.77 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 190679

Ion Ratio Lower Upper

112 100

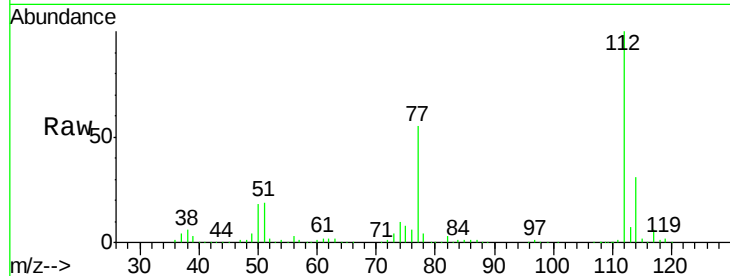
114 31.5 25.3 37.9

Manual Integrations

APPROVED

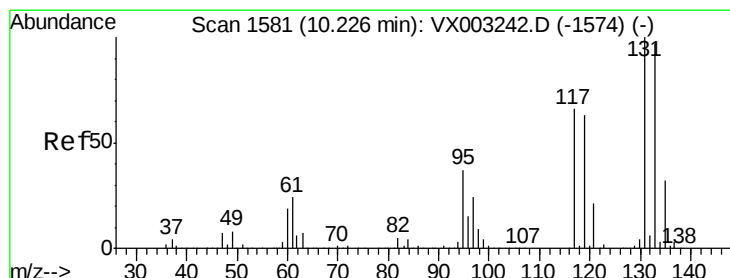
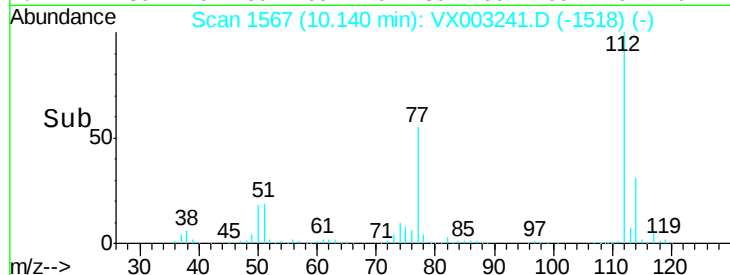
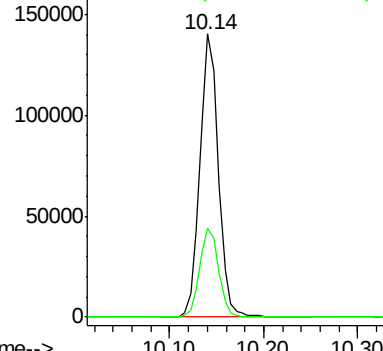
MMDadoda

7/10/2018 3:11:43 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 26.27 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

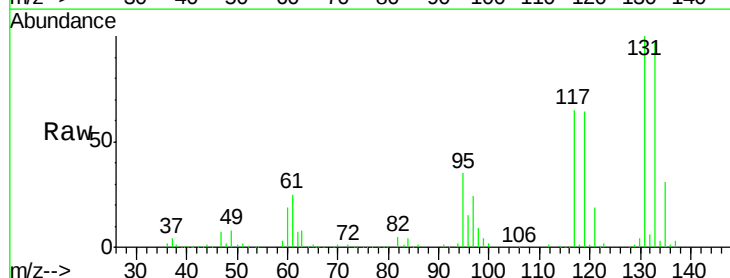
Tgt Ion:131 Resp: 70614

Ion Ratio Lower Upper

131 100

133 96.7 47.9 143.6

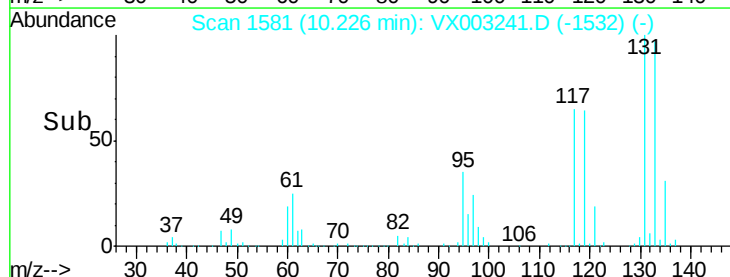
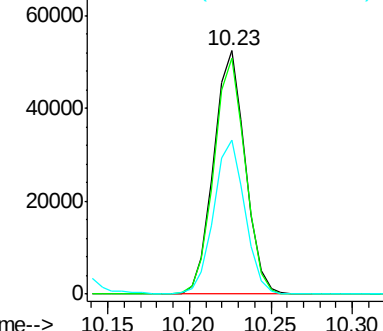
119 63.0 31.8 95.3

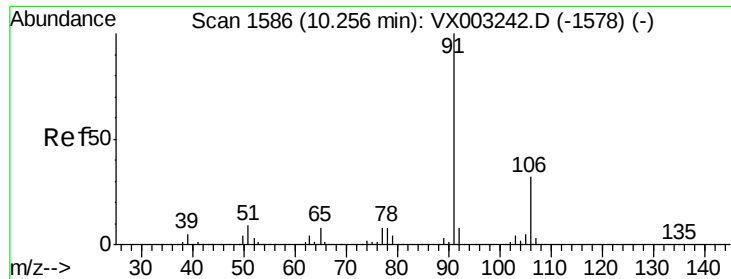


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





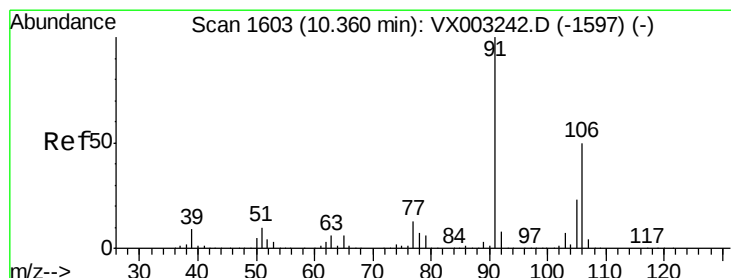
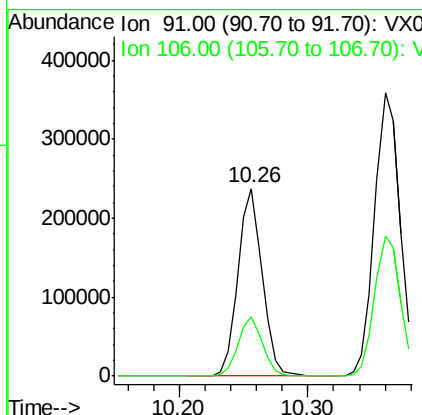
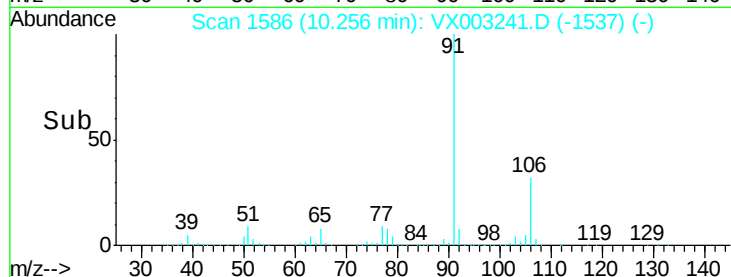
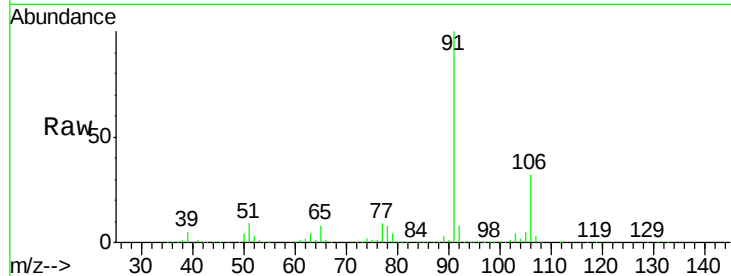
#67
Ethyl Benzene
Concen: 25.51 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003241.D
Acq: 09 Jul 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 311771
Ion Ratio Lower Upper
91 100
106 31.5 25.5 38.3

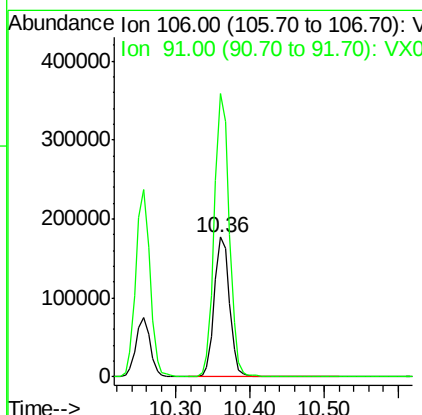
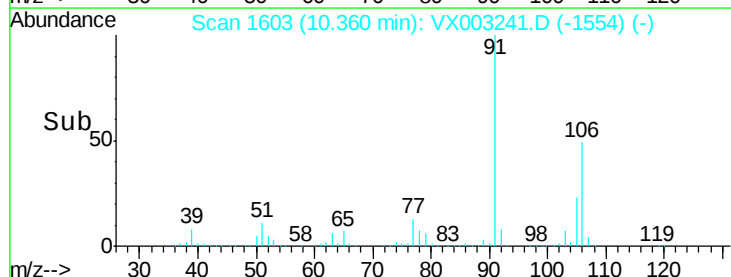
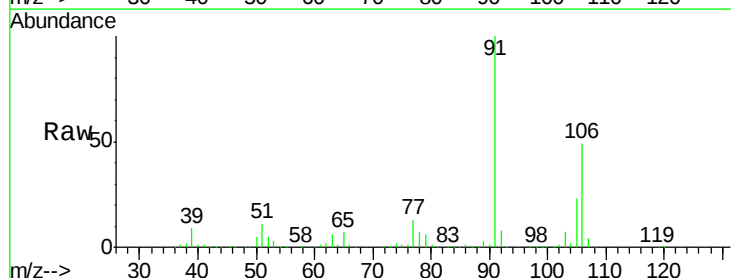
Manual Integrations
APPROVED

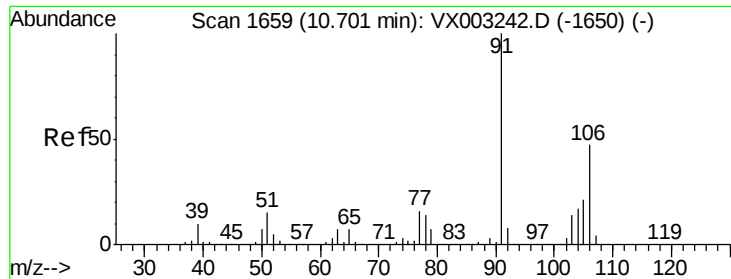
MMDadoda
7/10/2018 3:11:43 PM



#68
m/p-Xylenes
Concen: 52.47 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003241.D
Acq: 09 Jul 2018 12:16

Tgt Ion: 106 Resp: 247167
Ion Ratio Lower Upper
106 100
91 200.0 163.4 245.2





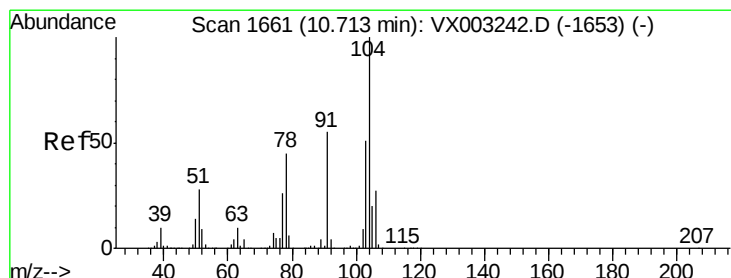
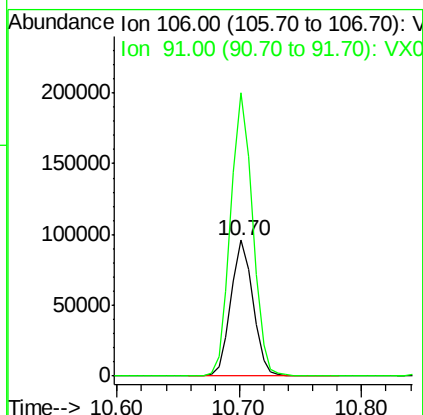
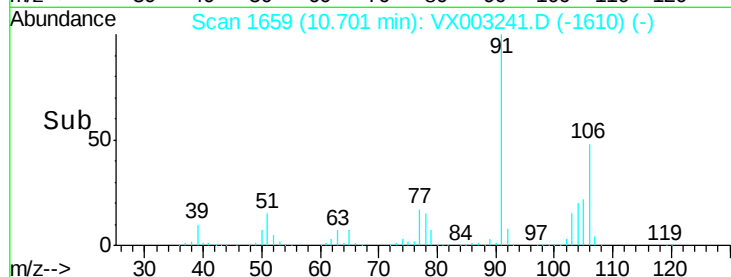
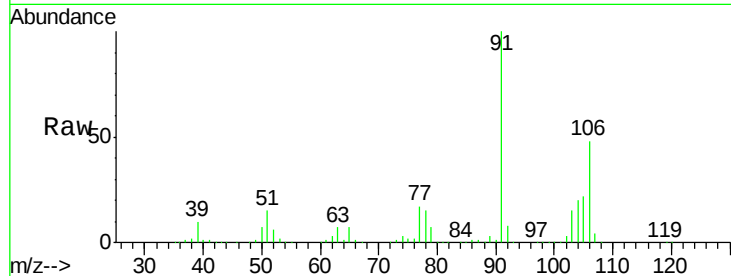
#69
o-Xylene
Concen: 25.96 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003241.D
Acq: 09 Jul 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 119062
Ion Ratio Lower Upper
106 100
91 209.3 108.2 324.6

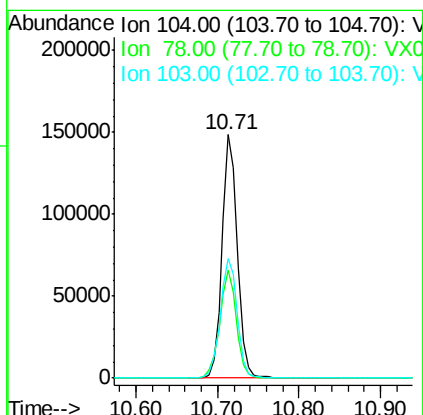
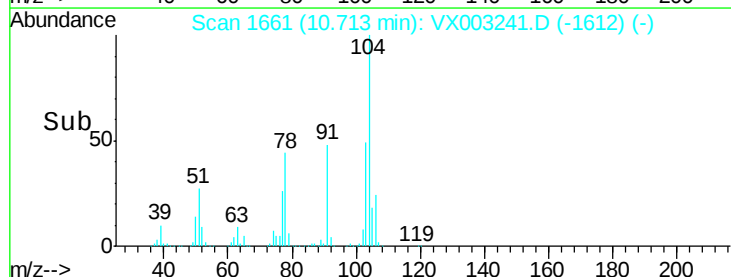
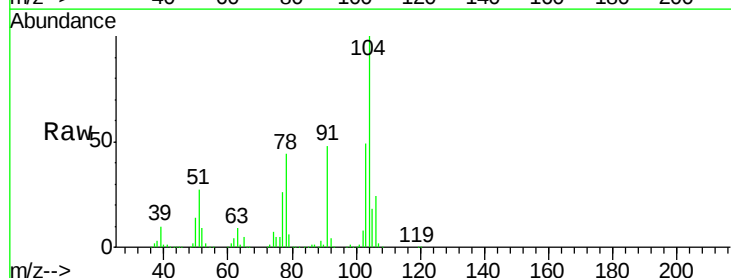
Manual Integrations
APPROVED

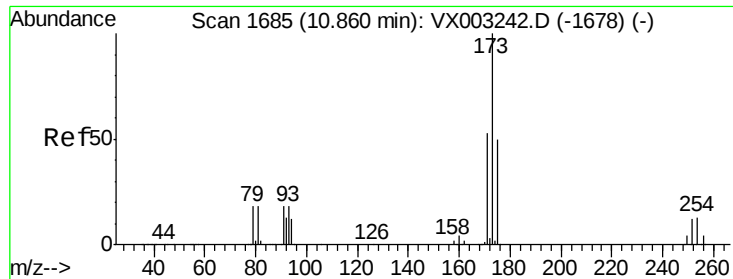
MMDadoda
7/10/2018 3:11:43 PM



#70
Styrene
Concen: 26.11 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003241.D
Acq: 09 Jul 2018 12:16

Tgt Ion:104 Resp: 194584
Ion Ratio Lower Upper
104 100
78 48.3 41.0 61.6
103 54.7 44.2 66.4





#71

Bromoform

Concen: 26.12 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 55185

Ion Ratio Lower Upper

173 100

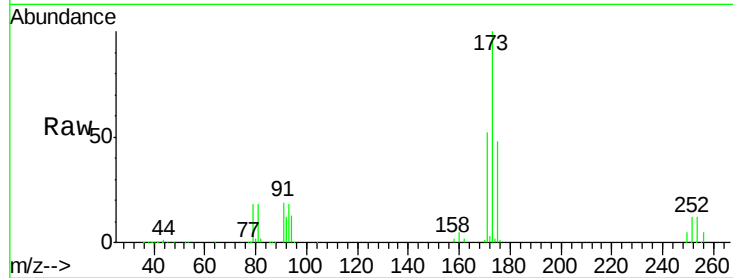
175 48.7 24.7 74.1

254 0.2 0.2 0.2

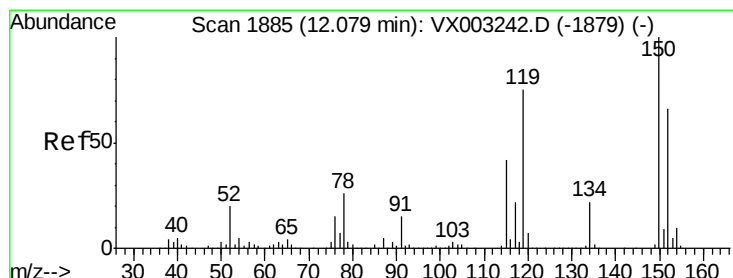
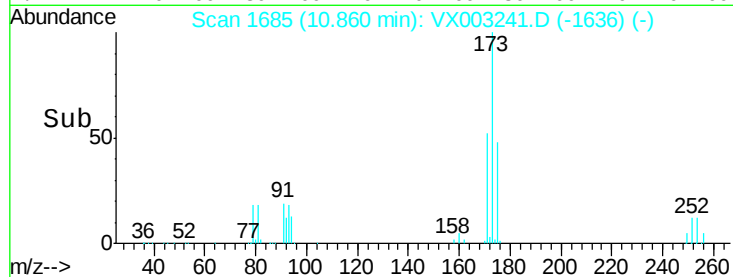
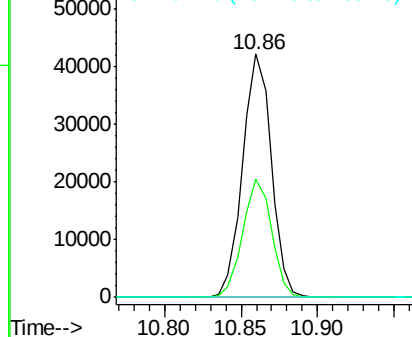
Manual Integrations
APPROVED

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7/10/2018 3:11:43 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

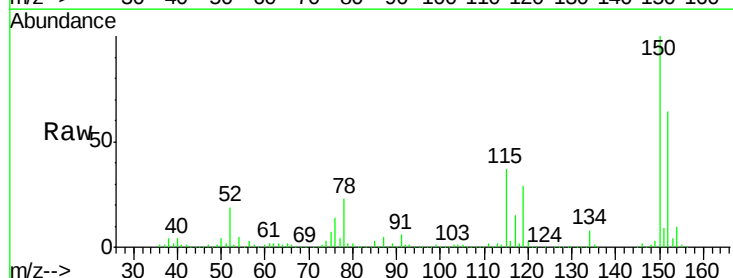
Tgt Ion:152 Resp: 204387

Ion Ratio Lower Upper

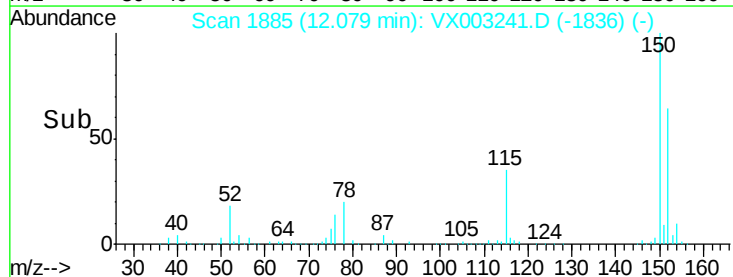
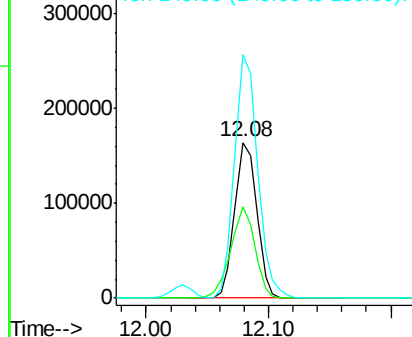
152 100

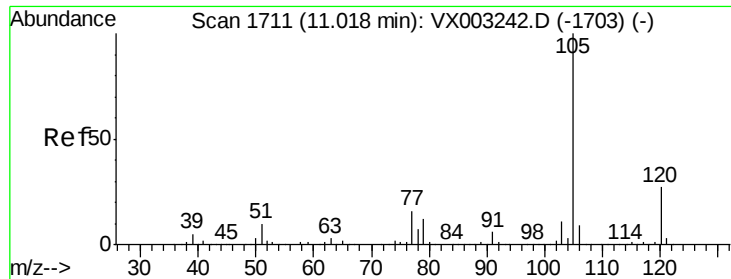
115 64.2 40.1 120.2

150 164.8 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.49 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.01 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 323022

Ion Ratio Lower Upper

105 100

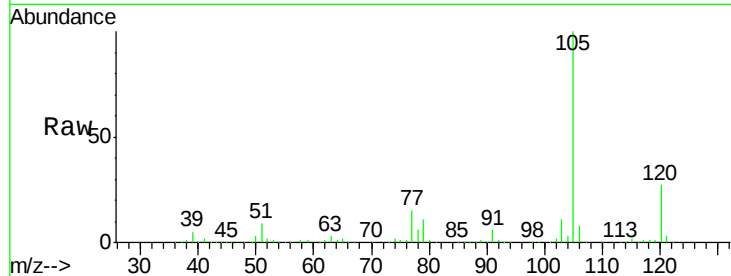
120 27.4 13.5 40.4

Manual Integrations

APPROVED

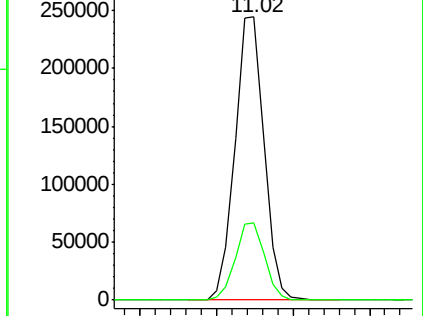
MMDadoda

7/10/2018 3:11:43 PM

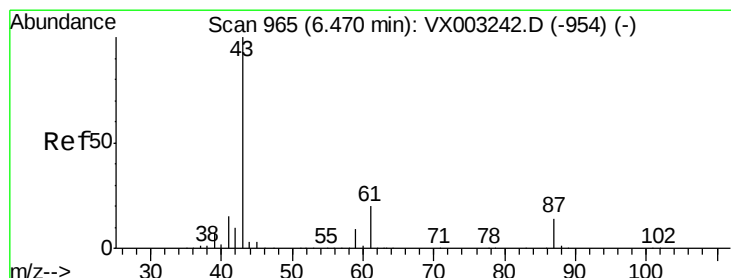
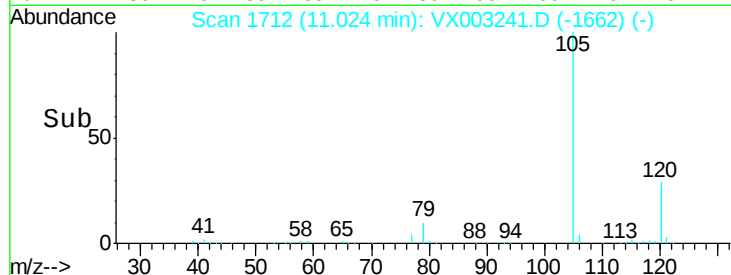


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 22.17 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Tgt Ion: 43 Resp: 149129

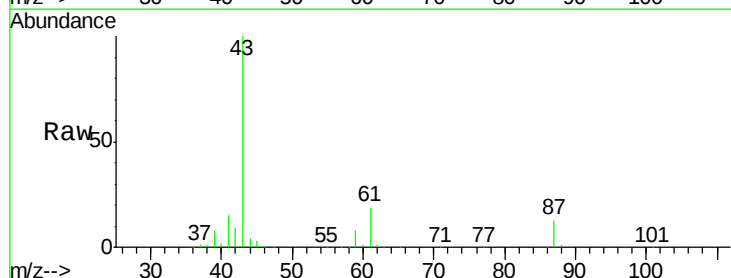
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 19.3 14.4 21.6

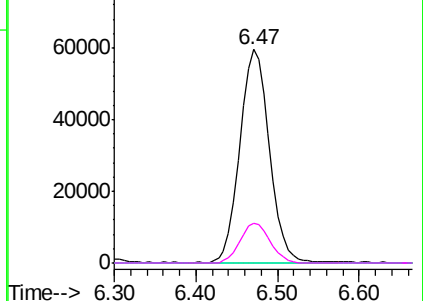


Abundance Ion 43.00 (42.70 to 43.70): VX0

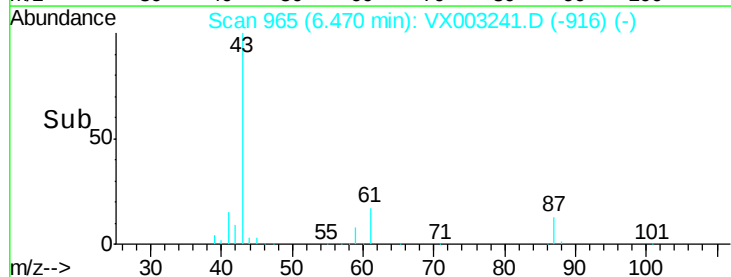
Ion 70.00 (69.70 to 70.70): VX0

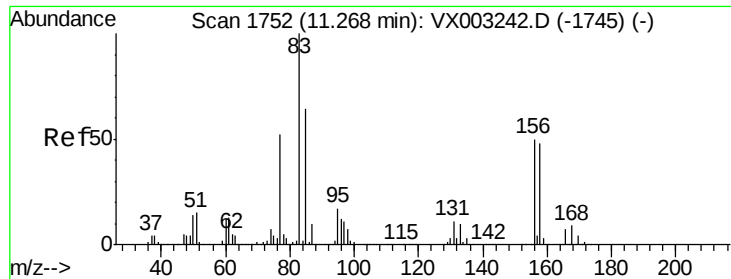
Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 23.26 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Instrument :

MSVOA_X

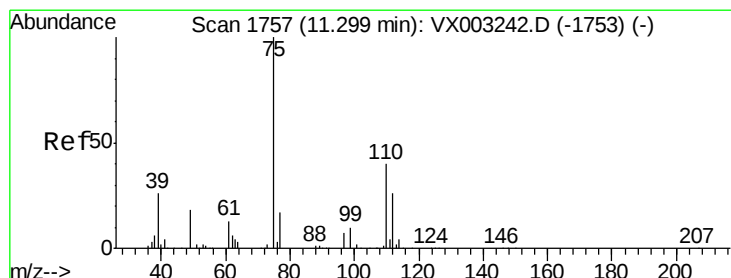
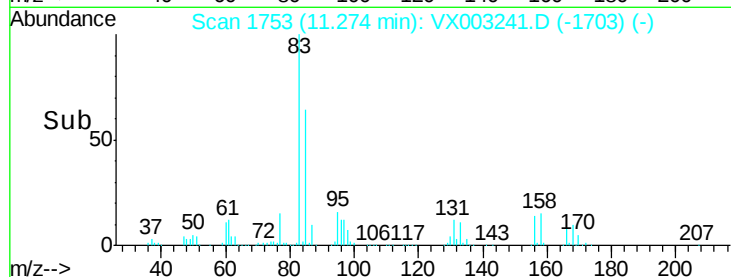
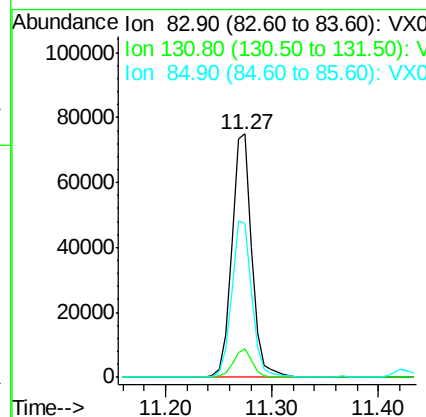
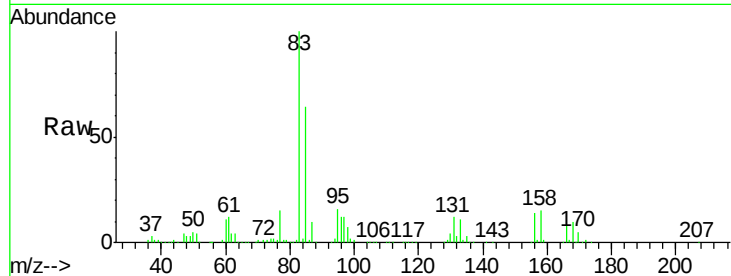
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	98508
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.6	16.8
85	65.0	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 23.82 ug/l m

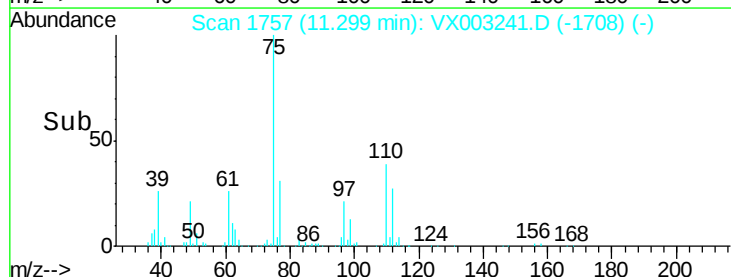
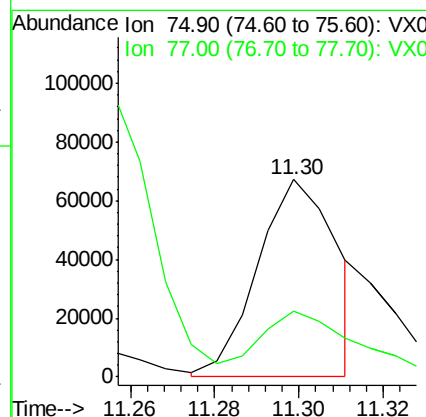
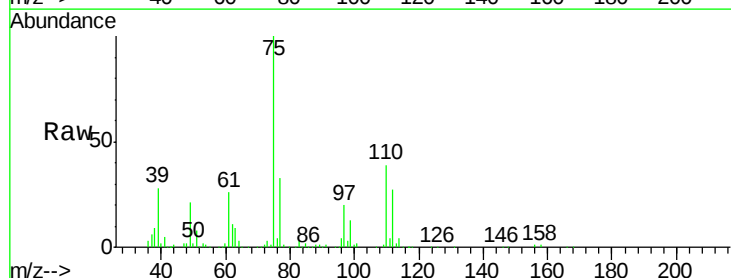
RT: 11.30 min Scan# 1757

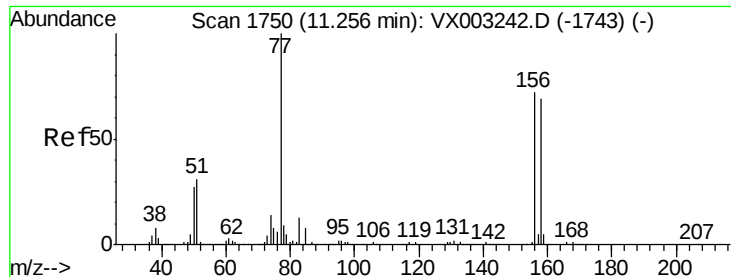
Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Tgt Ion:	75	Resp:	88184
Ion Ratio	Lower	Upper	
75	100		
77	41.0	22.8	68.3





#77

Bromobenzene

Concen: 23.13 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 90548

Ion Ratio Lower Upper

156 100

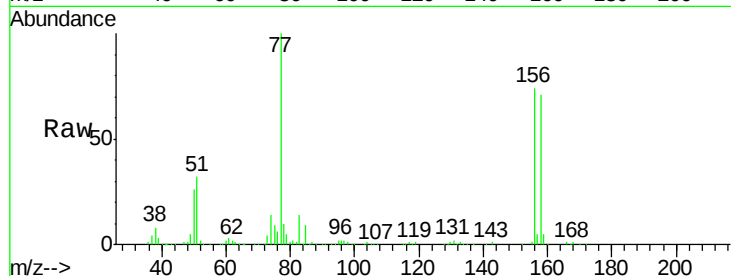
77 134.4 71.4 214.2

158 98.8 48.9 146.6

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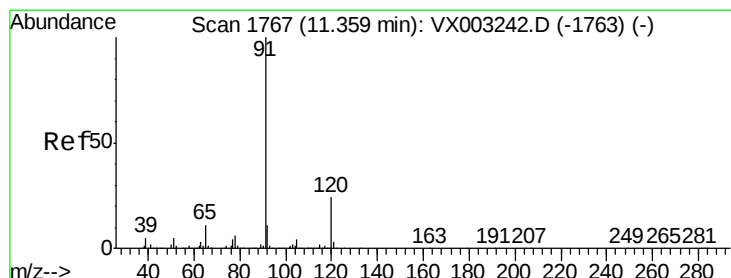
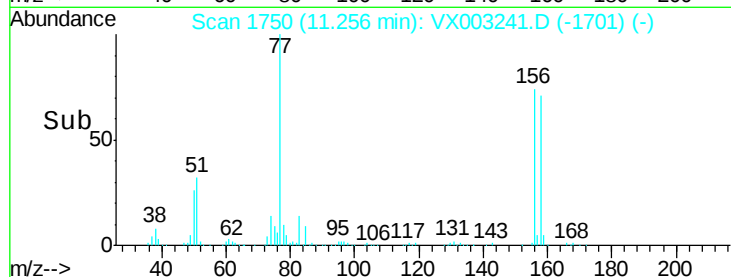
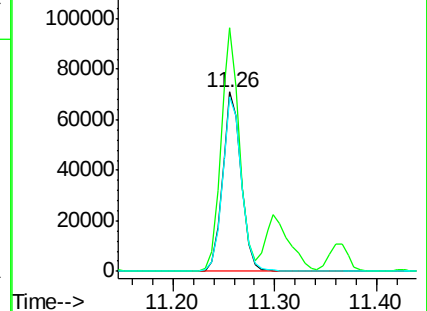
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.94 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.01 min

Lab File: VX003241.D

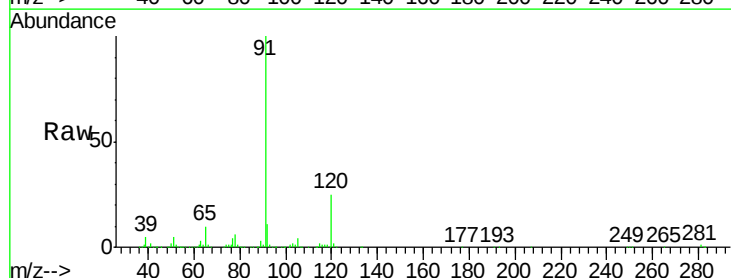
Acq: 09 Jul 2018 12:16

Tgt Ion: 91 Resp: 359023

Ion Ratio Lower Upper

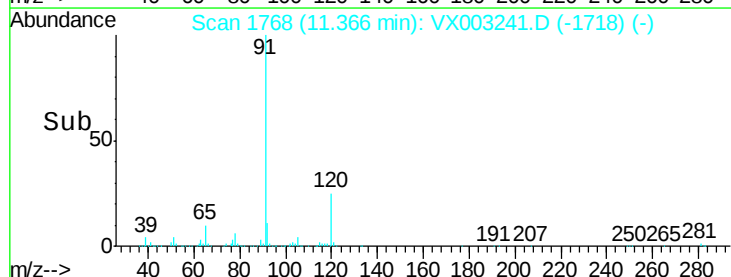
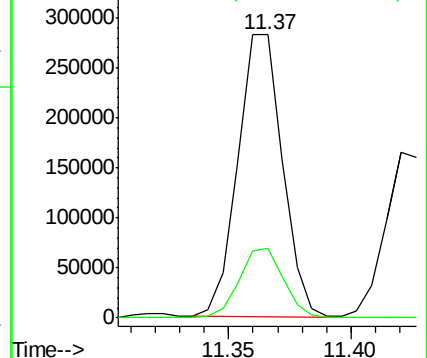
91 100

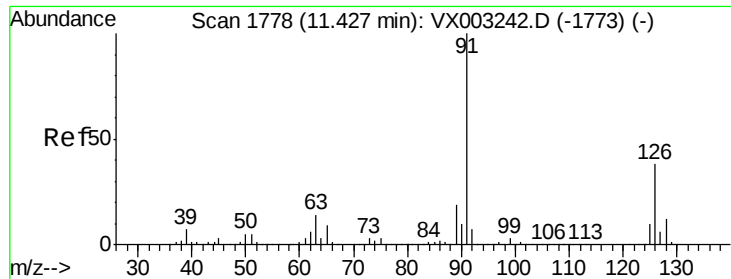
120 24.6 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.65 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 214651

Ion Ratio Lower Upper

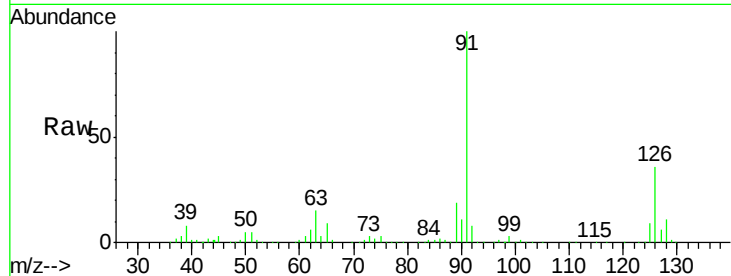
91 100

126 36.8 17.7 53.1

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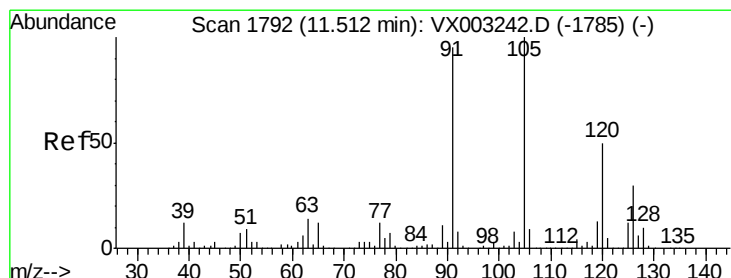
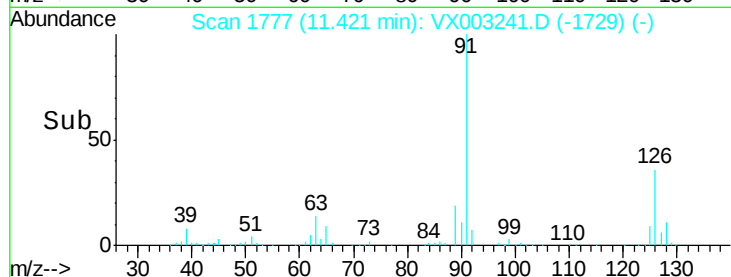
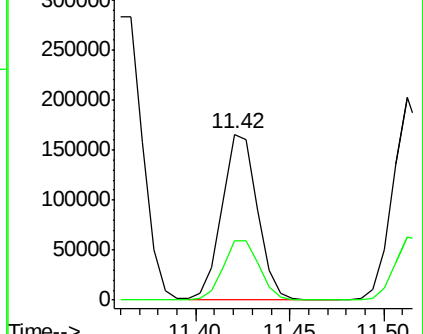
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 23.25 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003241.D

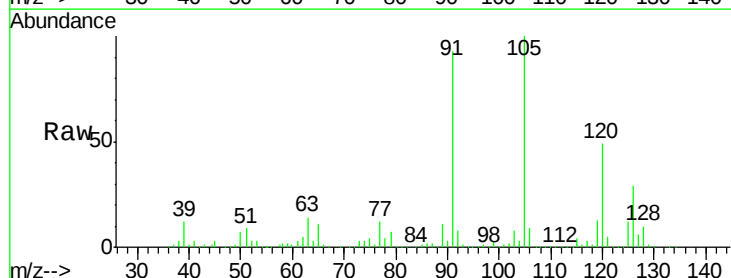
Acq: 09 Jul 2018 12:16

Tgt Ion:105 Resp: 269232

Ion Ratio Lower Upper

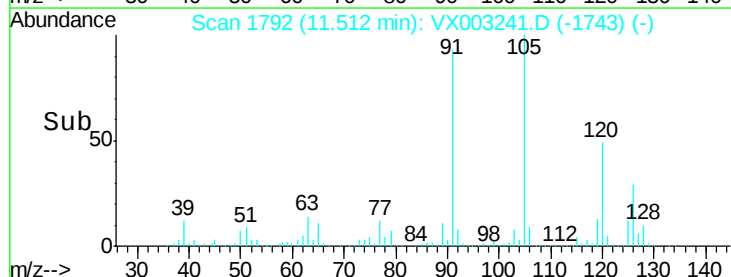
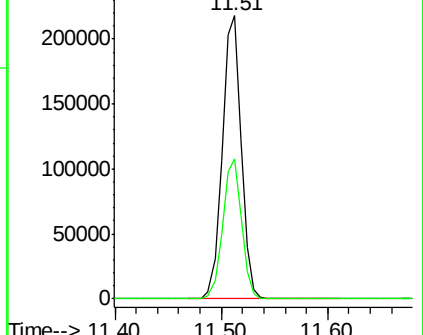
105 100

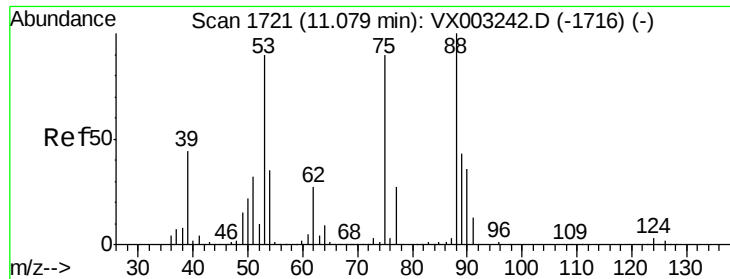
120 49.5 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 23.30 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 25433

Ion Ratio Lower Upper

75 100

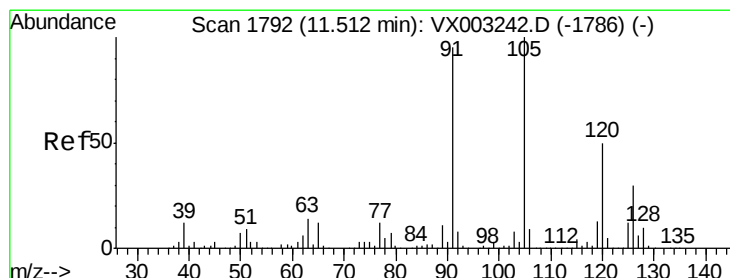
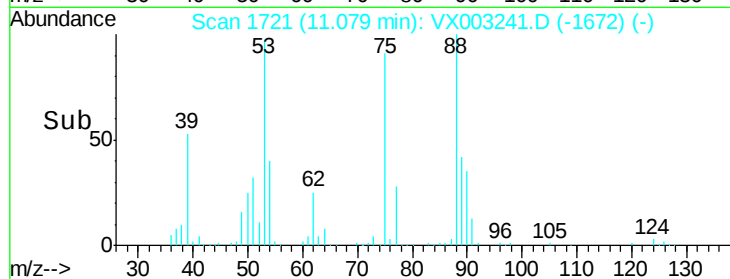
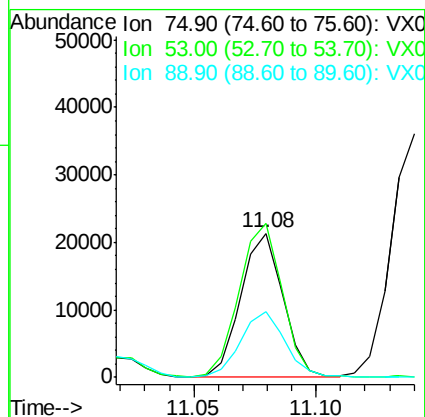
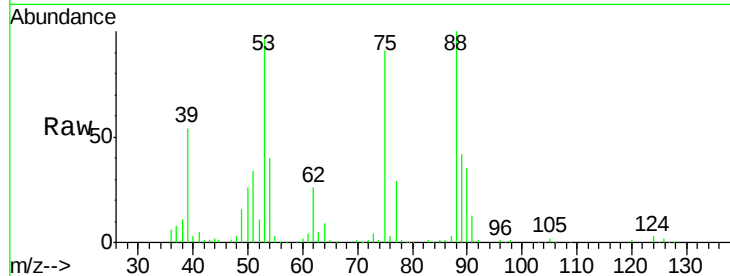
53 110.3 86.8 130.2

89 49.1 38.2 57.2

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#82

4-Chlorotoluene

Concen: 22.59 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003241.D

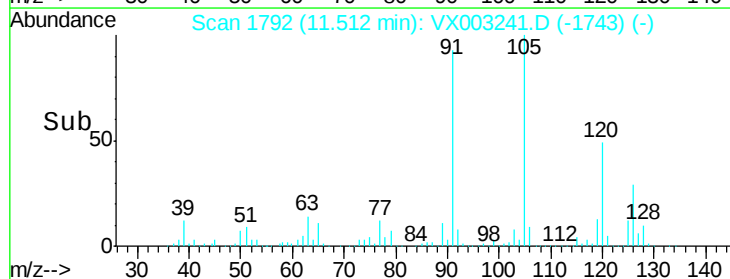
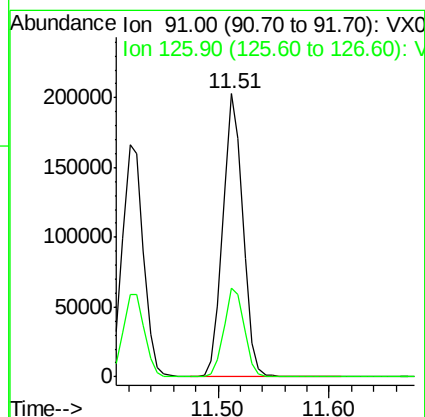
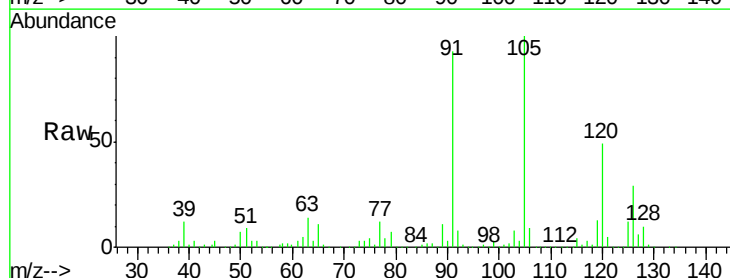
Acq: 09 Jul 2018 12:16

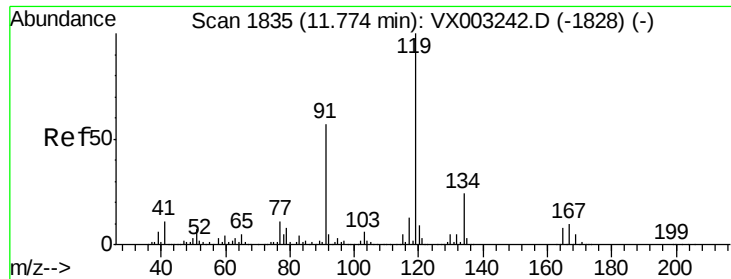
Tgt Ion: 91 Resp: 253412

Ion Ratio Lower Upper

91 100

126 31.7 15.4 46.4





#83

tert-Butylbenzene

Concen: 23.30 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Instrument :

MSVOA_X

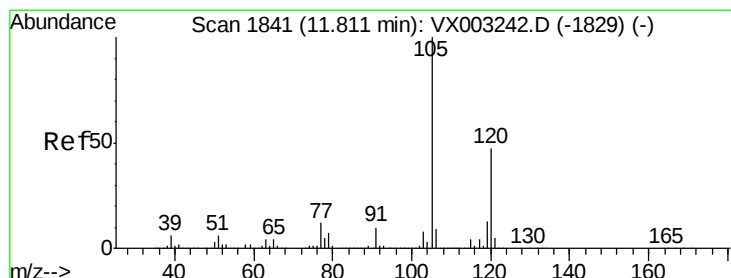
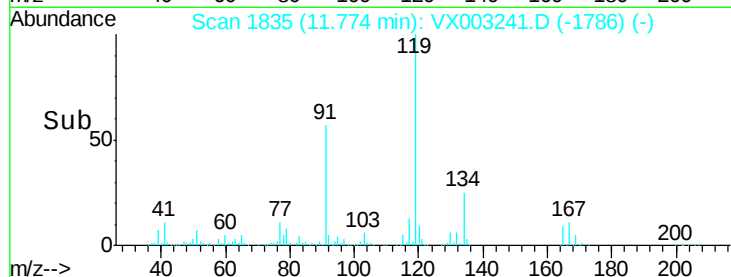
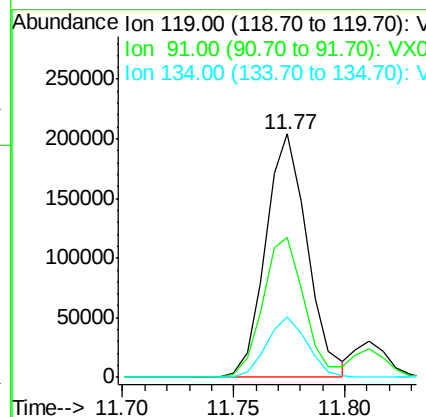
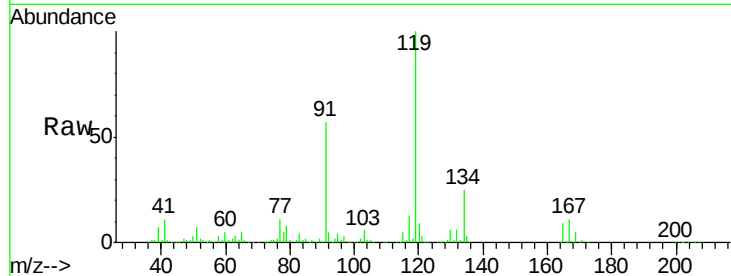
ClientSampleId :

VSTDIC020

Tot Ion:	119	Resp:	265957
Ion Ratio	Lower	Upper	
119	100		
91	56.1	30.3	90.9
134	24.1	11.7	35.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 23.08 ug/l

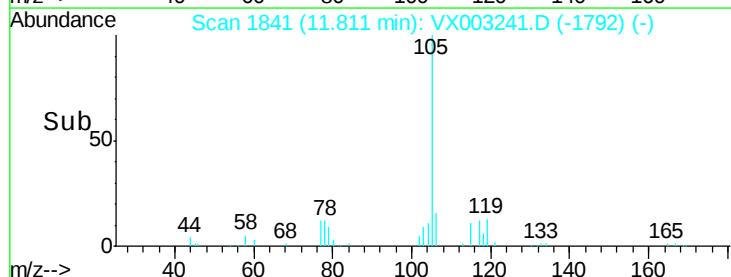
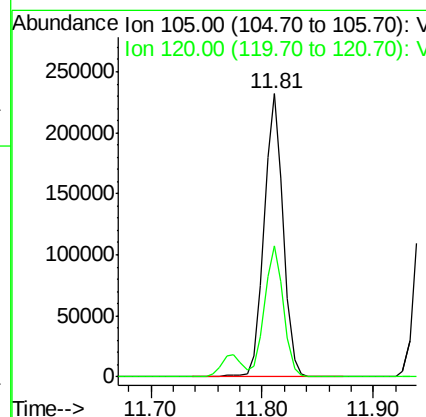
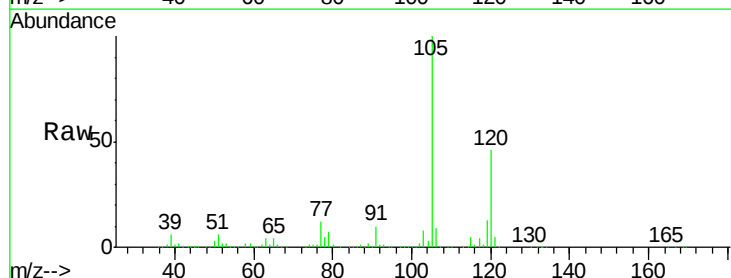
RT: 11.81 min Scan# 1841

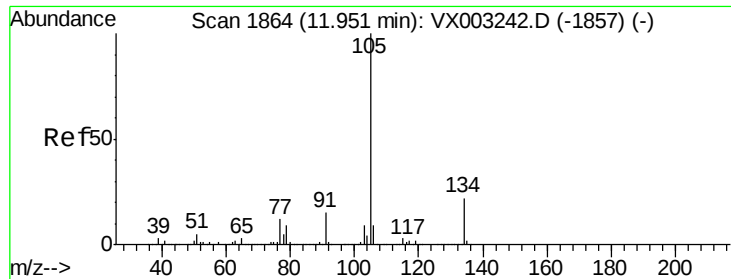
Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Tgt Ion:	105	Resp:	276956
Ion Ratio	Lower	Upper	
105	100		
120	46.0	22.3	66.8





#85

sec-Butylbenzene

Concen: 22.88 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 316755

Ion Ratio Lower Upper

105 100

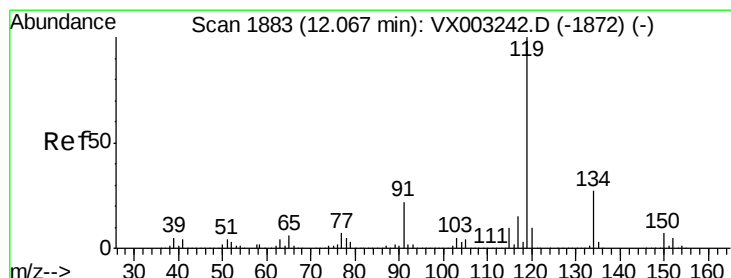
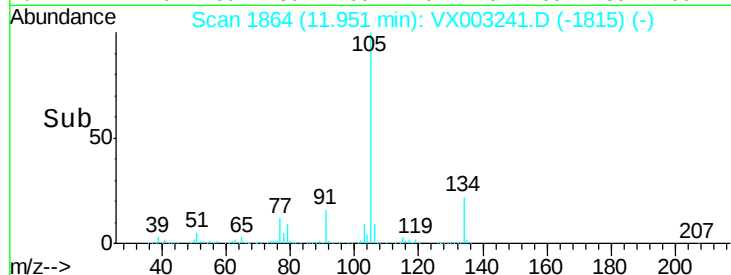
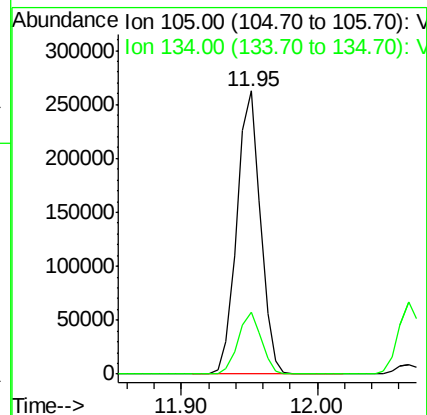
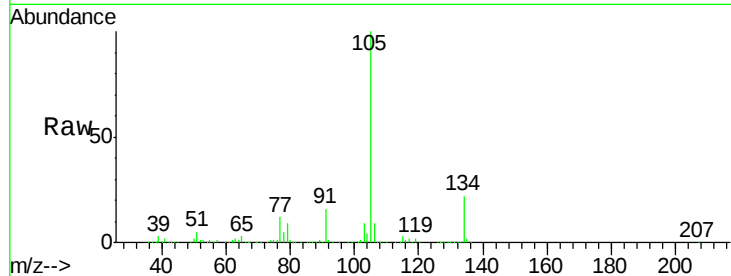
134 21.5 10.4 31.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 22.96 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

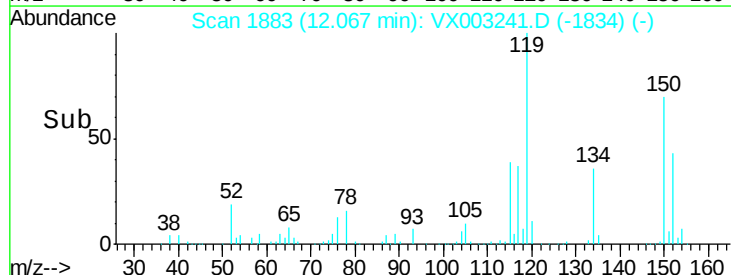
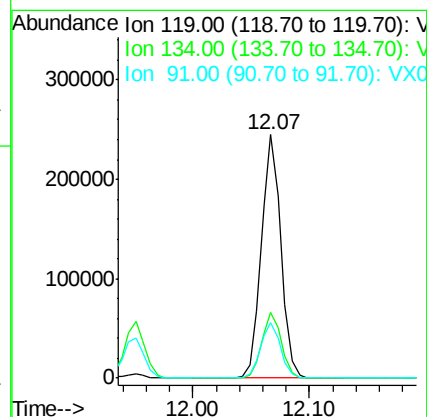
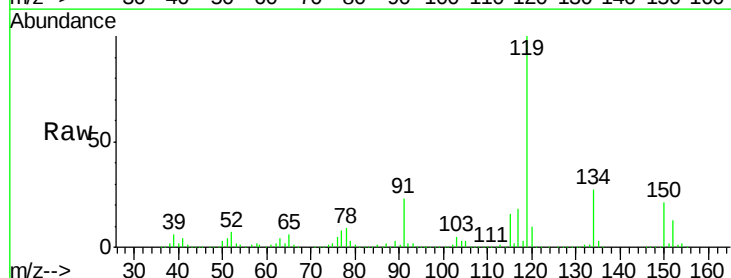
Tgt Ion:119 Resp: 285788

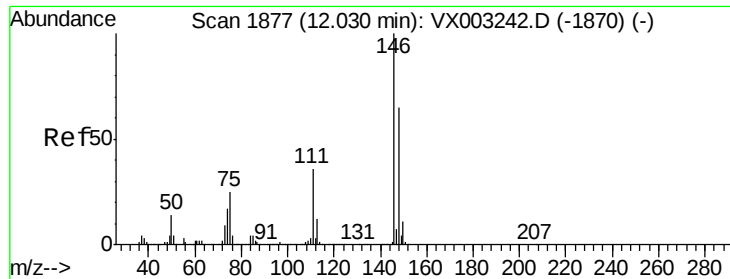
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 23.3 11.9 35.7





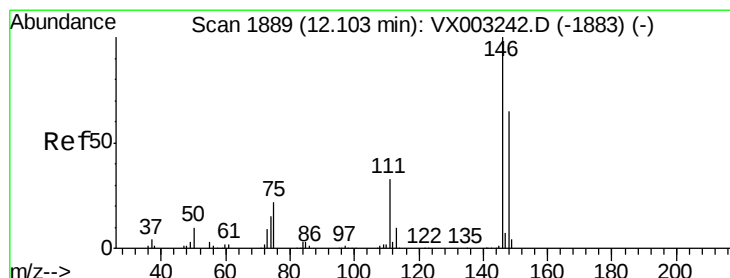
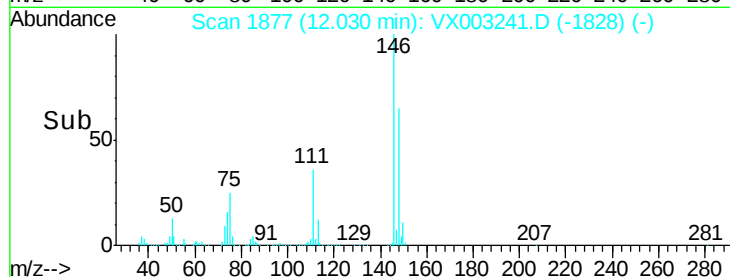
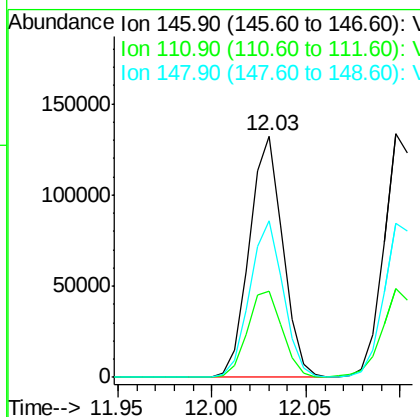
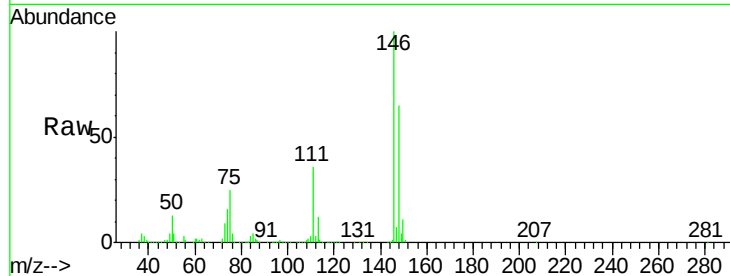
#87
 1,3-Dichlorobenzene
 Concen: 22.76 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003241.D
 Acq: 09 Jul 2018 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.9	56.7
148	65.1	32.1	96.3

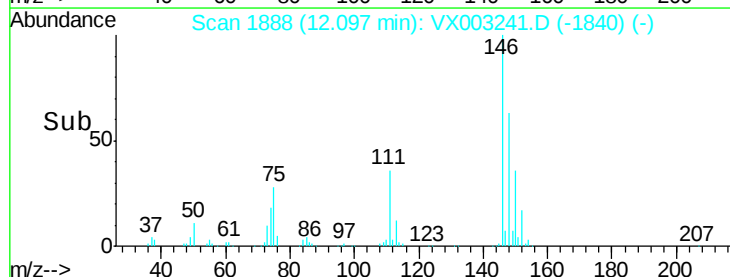
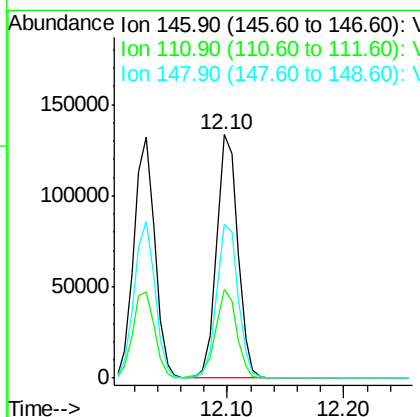
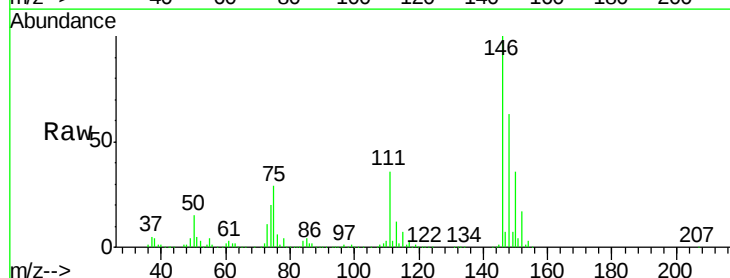
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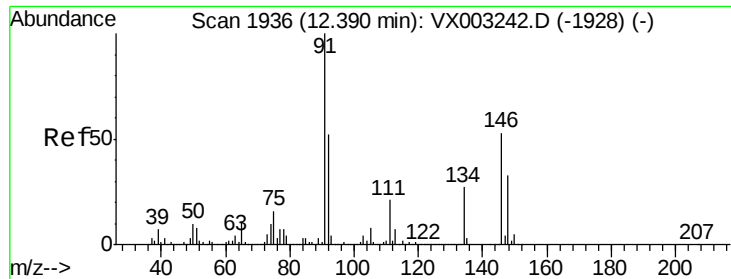
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#88
 1,4-Dichlorobenzene
 Concen: 22.64 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX003241.D
 Acq: 09 Jul 2018 12:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.7	56.1
148	63.8	32.4	97.0





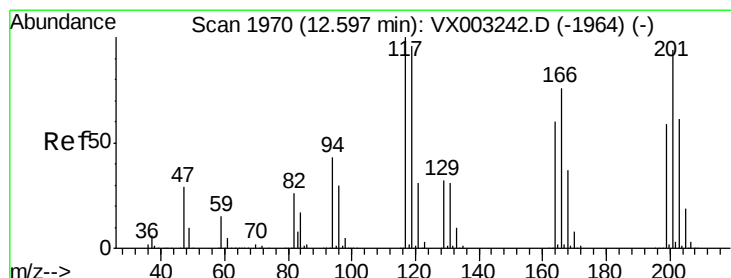
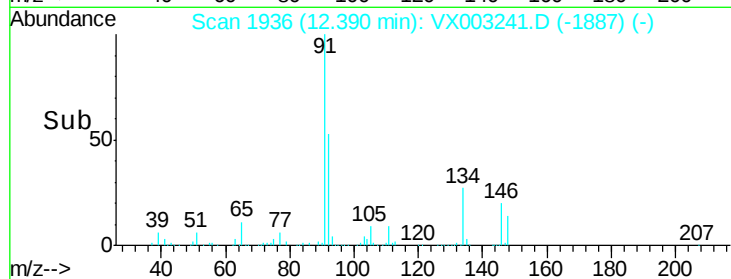
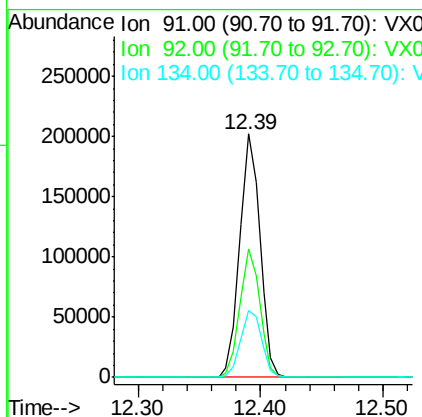
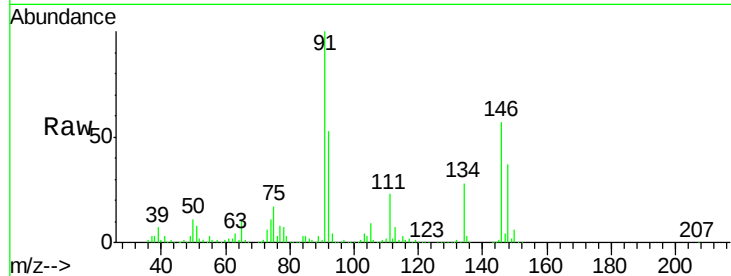
#89
n-Butylbenzene
Concen: 21.42 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003241.D
Acq: 09 Jul 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	232055		
92	52.1		26.0	78.0
134	28.5		13.5	40.5

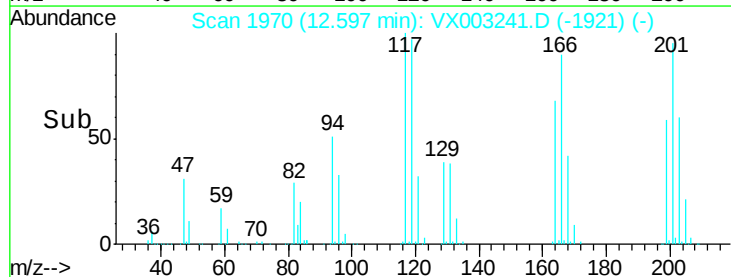
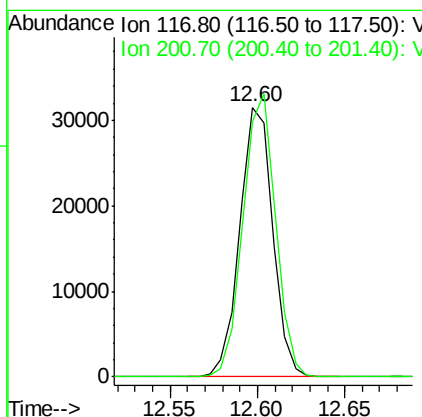
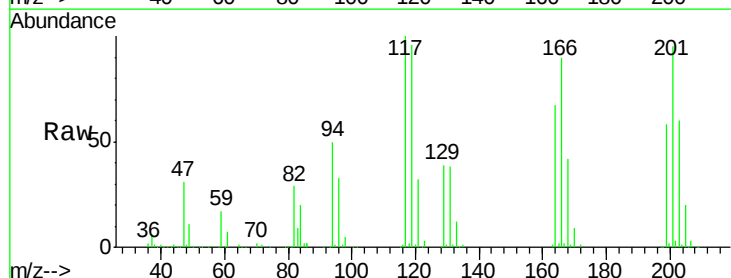
Manual Integrations
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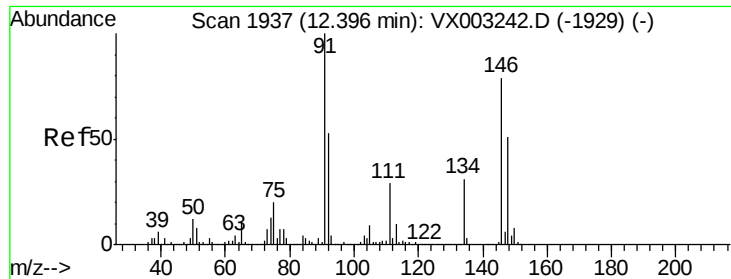
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#90
Hexachloroethane
Concen: 22.29 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003241.D
Acq: 09 Jul 2018 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	41278		
201	103.6		49.0	147.0





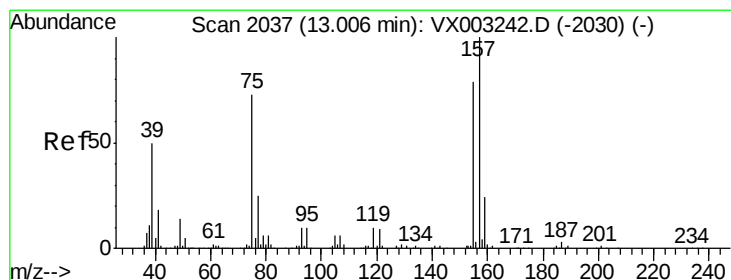
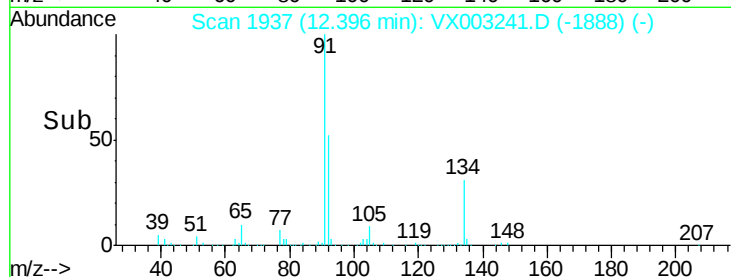
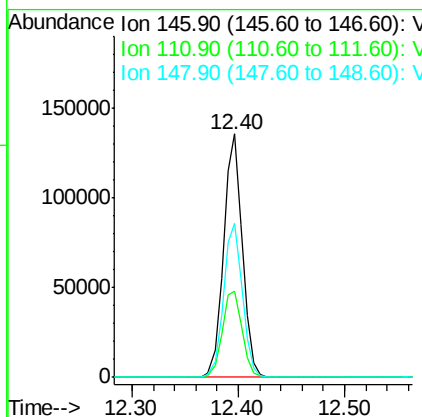
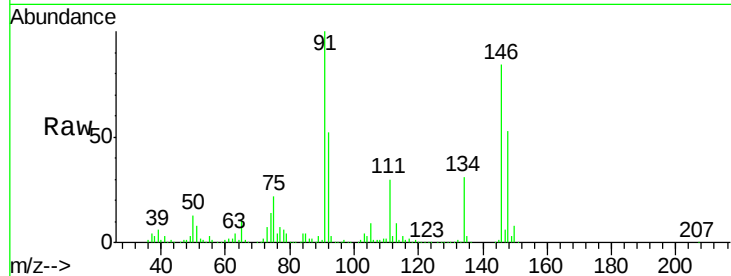
#91
 1,2-Dichlorobenzene
 Concen: 23.06 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003241.D
 Acq: 09 Jul 2018 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.4	58.1
148	63.8	31.7	95.1

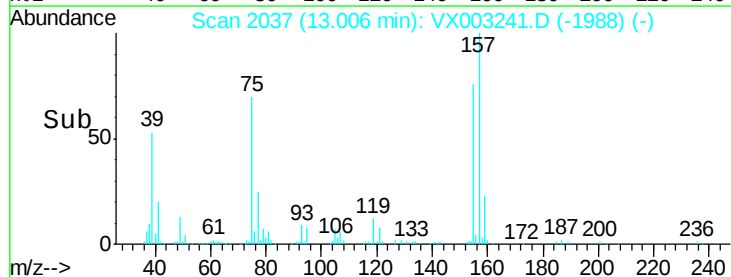
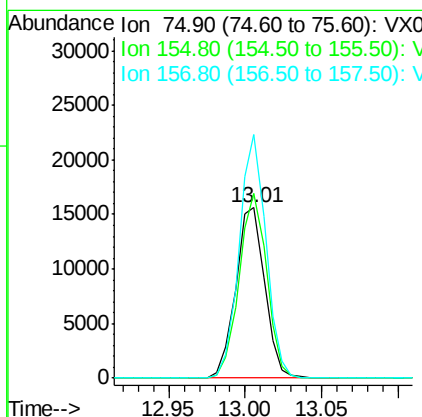
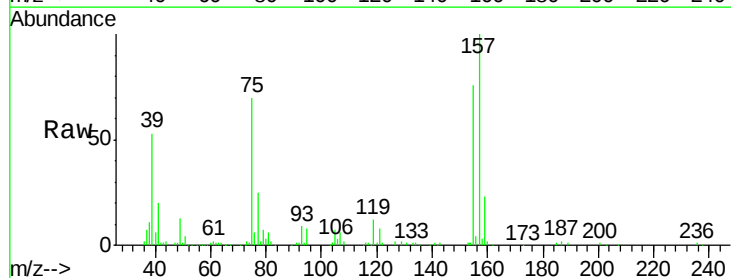
Manual Integrations
 APPROVED

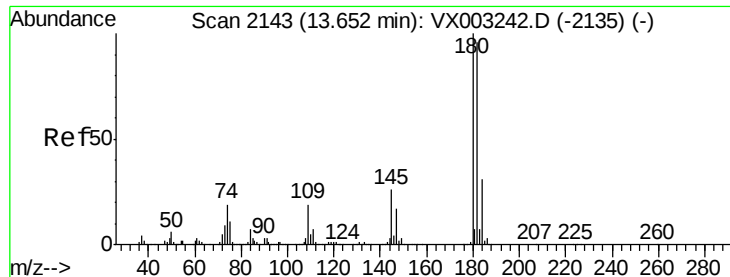
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.58 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003241.D
 Acq: 09 Jul 2018 12:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.9	45.8	137.4
157	131.2	60.1	180.3





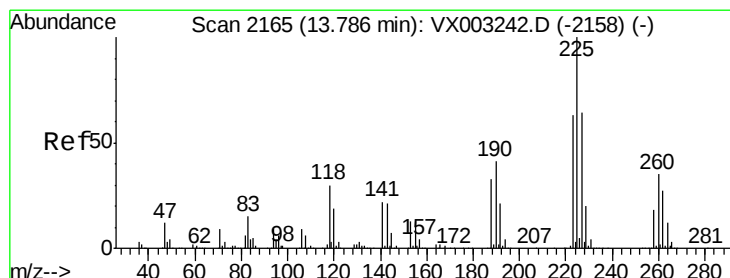
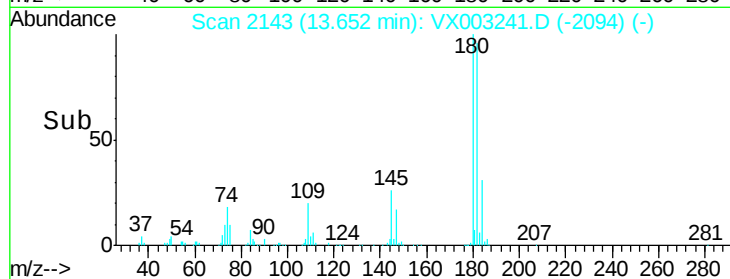
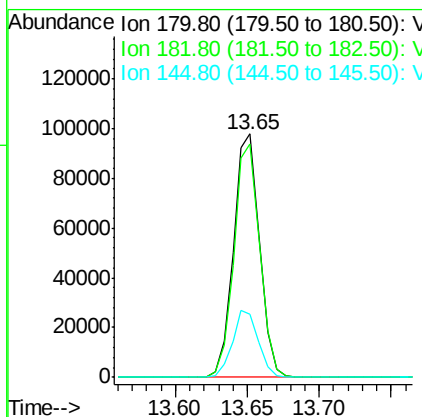
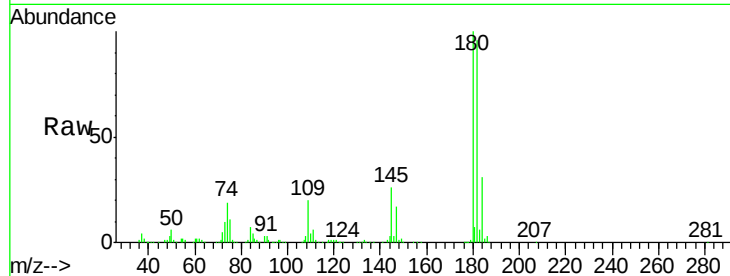
#93
 1,2,4-Trichlorobenzene
 Concen: 23.48 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX003241.D
 Acq: 09 Jul 2018 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.5	47.7	143.1	
145	27.3	14.1	42.4	

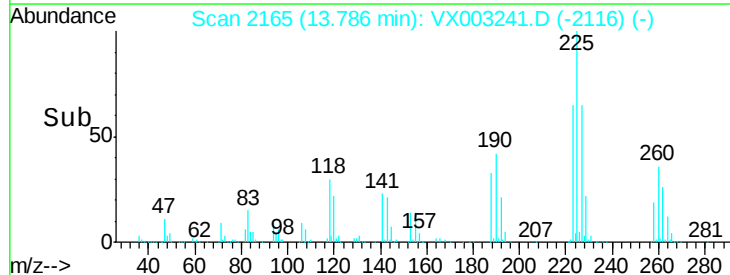
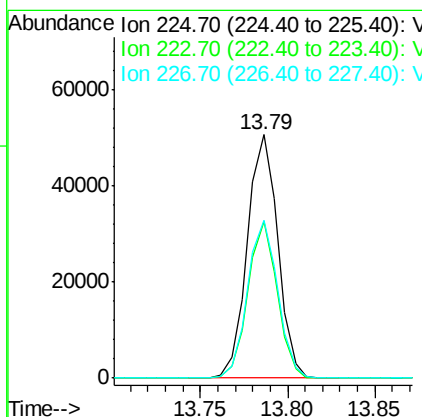
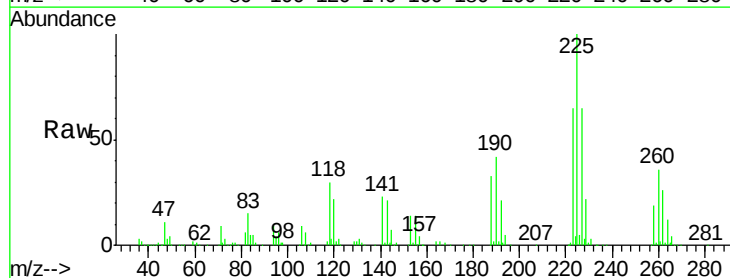
Manual Integrations
 APPROVED

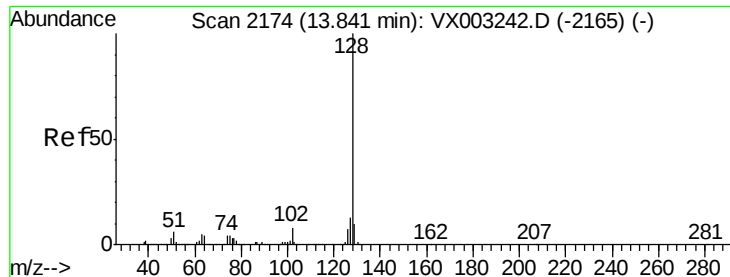
MMDadoda
 7/10/2018 3:11:43 PM



#94
 Hexachlorobutadiene
 Concen: 23.33 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003241.D
 Acq: 09 Jul 2018 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.1	31.6	95.0	
227	64.1	32.4	97.2	





#95

Naphthalene

Concen: 24.04 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Instrument :

MSVOA_X

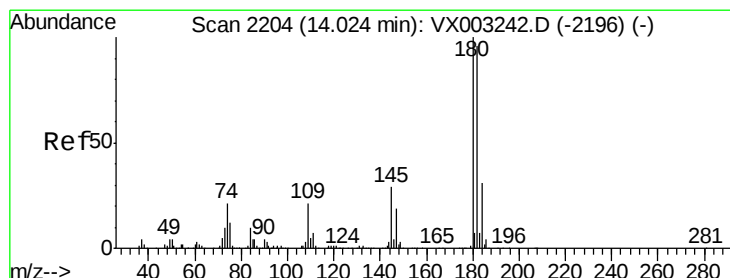
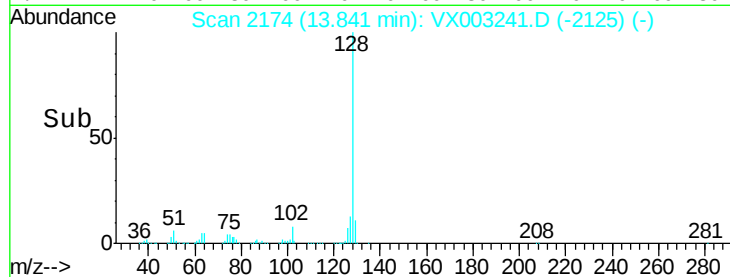
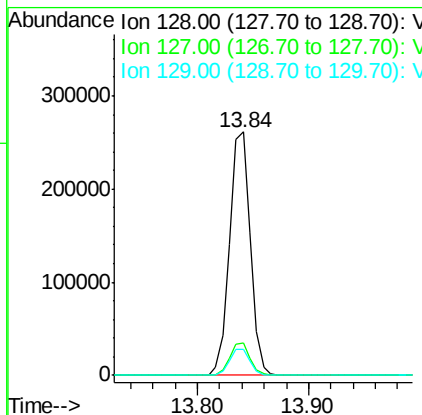
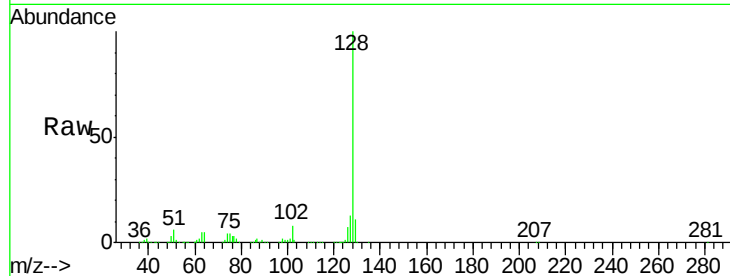
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	336331
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/10/2018 3:11:43 PM



#96

1,2,3-Trichlorobenzene

Concen: 23.47 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003241.D

Acq: 09 Jul 2018 12:16

Tgt Ion:	180	Resp:	123160
Ion Ratio	Lower	Upper	
180	100		
182	96.7	48.0	144.0
145	29.2	14.8	44.3

