

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081518\
 Data File : VX004074.D
 Acq On : 15 Aug 2018 16:01
 Operator : JC/MD
 Sample : VX0815MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815MBS01

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 4:39:06 PM

Quant Time: Aug 16 06:33:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	304813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	449560	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	429562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	250405	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	217829	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
35) Dibromofluoromethane	5.51	113	175078	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
50) Toluene-d8	8.72	98	691239	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
62) 4-Bromofluorobenzene	11.14	95	247062	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	61080	20.59	ug/l	100
3) Chloromethane	1.32	50	75870	20.84	ug/l	98
4) Vinyl Chloride	1.40	62	80611	20.46	ug/l	98
5) Bromomethane	1.64	94	45067	22.48	ug/l	99
6) Chloroethane	1.73	64	56906	20.92	ug/l	98
7) Trichlorofluoromethane	1.93	101	109974	19.90	ug/l	98
8) Diethyl Ether	2.18	74	48304	20.02	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	68404	19.84	ug/l	100
10) Methyl Iodide	2.51	142	64085	20.67	ug/l	99
11) Tert butyl alcohol	3.04	59	92790	107.29	ug/l	99
12) 1,1-Dichloroethene	2.37	96	63392	19.77	ug/l	100
13) Acrolein	2.29	56	52339	96.24	ug/l	98
14) Allyl chloride	2.73	41	122376	20.06	ug/l	98
15) Acrylonitrile	3.14	53	225343	104.51	ug/l	100
16) Acetone	2.44	43	246508	110.40	ug/l	99
17) Carbon Disulfide	2.57	76	165156	18.16	ug/l	99
18) Methyl Acetate	2.77	43	105731	21.31	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	227959	20.18	ug/l	98
20) Methylene Chloride	2.85	84	78214	21.08	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	69866	19.18	ug/l	99
22) Diisopropyl ether	3.87	45	241938	20.24	ug/l	97
23) Vinyl Acetate	3.82	43	1013848	103.25	ug/l	99
24) 1,1-Dichloroethane	3.70	63	135846	20.06	ug/l	100
25) 2-Butanone	4.70	43	385292	106.05	ug/l	100
26) 2,2-Dichloropropane	4.59	77	104454	19.40	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	81879	19.99	ug/l	97
28) Bromochloromethane	5.02	49	65437	21.06	ug/l	94
29) Tetrahydrofuran	5.16	42	191468	103.15	ug/l	97
30) Chloroform	5.22	83	132822	20.10	ug/l	99
31) Cyclohexane	5.58	56	114022	19.21	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	111336	20.16	ug/l	98
36) 1,1-Dichloropropene	5.80	75	99443	19.44	ug/l	100
37) Ethyl Acetate	4.85	43	115521	20.74	ug/l	100
38) Carbon Tetrachloride	5.79	117	95625	19.24	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	110562	19.05	ug/l	99
40) Benzene	6.15	78	310777	20.23	ug/l	99
41) Methacrylonitrile	5.06	41	63271	20.28	ug/l	98
42) 1,2-Dichloroethane	6.20	62	109327	20.33	ug/l	100
43) Isopropyl Acetate	6.46	43	163078	19.86	ug/l	99
44) Trichloroethene	7.21	130	79997	19.18	ug/l	94
45) 1,2-Dichloropropane	7.52	63	79428	20.20	ug/l	98
46) Dibromomethane	7.67	93	51436	20.02	ug/l	99
47) Bromodichloromethane	7.90	83	94312	19.38	ug/l	97
48) Methyl methacrylate	7.78	41	85399	20.66	ug/l	99
49) 1,4-Dioxane	7.76	88	39680	426.37	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	723952	107.52	ug/l	98
52) Toluene	8.79	92	198779	20.46	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	102815	19.55	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	116521	20.01	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	81317	20.27	ug/l	97
56) Ethyl methacrylate	9.18	69	108910	19.96	ug/l	98
57) 1,3-Dichloropropane	9.37	76	136404	20.49	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	293028	105.48	ug/l	98
59) 2-Hexanone	9.50	43	553902	109.31	ug/l	98
60) Dibromochloromethane	9.59	129	74121	19.20	ug/l	99
61) 1,2-Dibromoethane	9.68	107	82643	20.21	ug/l	98
64) Tetrachloroethene	9.34	164	79520	19.53	ug/l	93
65) Chlorobenzene	10.14	112	213662	19.26	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	73571	19.44	ug/l	98
67) Ethyl Benzene	10.26	91	351341	20.00	ug/l	95
68) m/p-Xylenes	10.36	106	281145	40.86	ug/l	100
69) o-Xylene	10.70	106	134772	20.50	ug/l	98
70) Styrene	10.71	104	228452	20.64	ug/l	98
71) Bromoform	10.86	173	54624	18.20	ug/l	99
73) Isopropylbenzene	11.02	105	365844	21.59	ug/l	97
74) N-amyl acetate	6.46	43	163078	20.46	ug/l	# 98
75) 1,1,2,2-Tetrachloroethane	11.27	83	124191	20.99	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	110682m	22.04	ug/l	
77) Bromobenzene	11.26	156	96204	20.59	ug/l	98
78) n-propylbenzene	11.36	91	421628	22.23	ug/l	99
79) 2-Chlorotoluene	11.42	91	251263	21.74	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	305450	22.01	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	30799	18.99	ug/l	93
82) 4-Chlorotoluene	11.51	91	298224	21.83	ug/l	100
83) tert-Butylbenzene	11.77	119	291128	20.81	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	315845	21.98	ug/l	100
85) sec-Butylbenzene	11.94	105	358064	21.87	ug/l	100
86) p-Isopropyltoluene	12.07	119	313978	21.18	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	179809	20.18	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	174236	19.00	ug/l	98
89) n-Butylbenzene	12.39	91	231970	19.86	ug/l	99
90) Hexachloroethane	12.60	117	41420	18.68	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	154862	19.27	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21490	20.66	ug/l	95

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Instrument :
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ClientSampleId :
VX0815MBS01

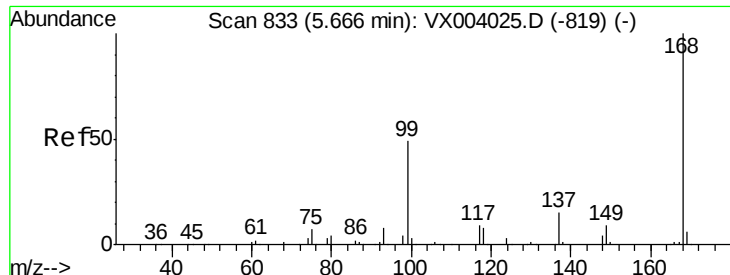
Manual Integrations
APPROVED

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8/16/2018 4:39:06 PM

Quant Time: Aug 16 06:33:31 2018
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Quant Title : SW846 8260
QLast Update : Tue Aug 14 13:27:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	107416	19.56	ug/l	99
94) Hexachlorobutadiene	13.79	225	49223	17.88	ug/l	99
95) Naphthalene	13.83	128	329675	19.54	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	110631	18.47	ug/l	99

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



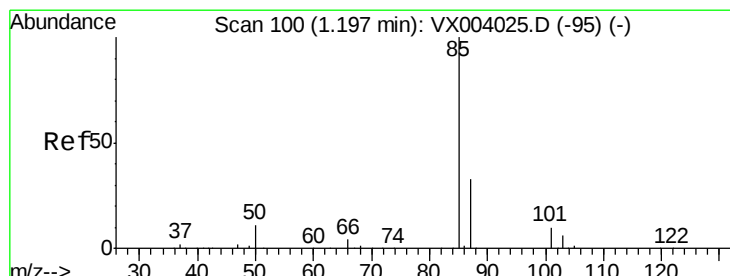
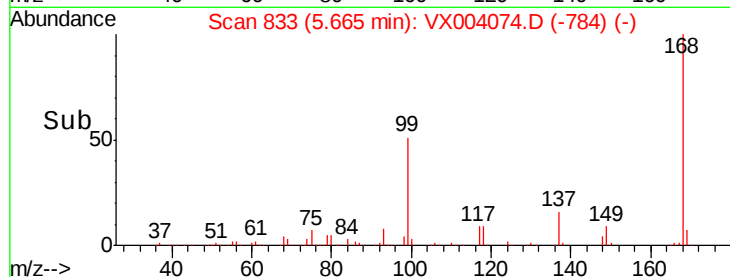
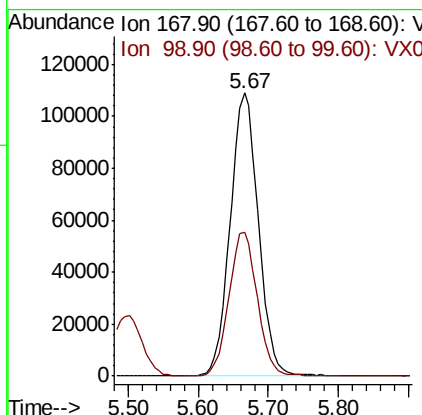
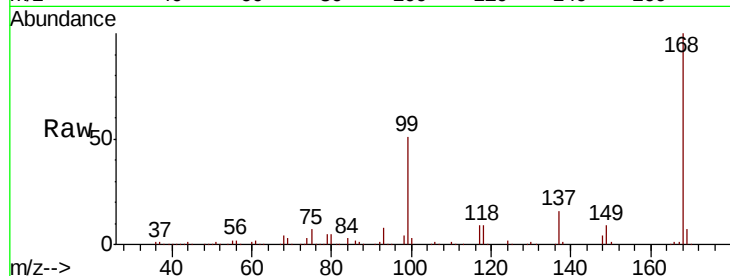
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Instrument :
MSVOA_X
ClientSampleId :
VX0815MBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	50.6	40.1	60.1

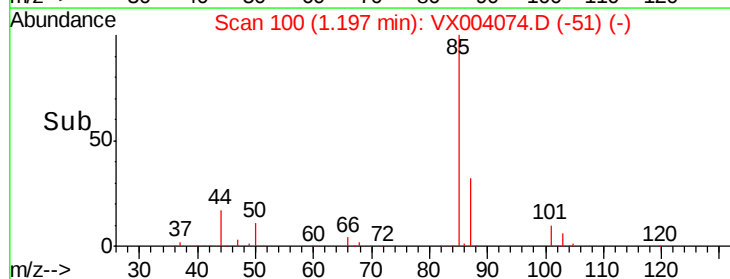
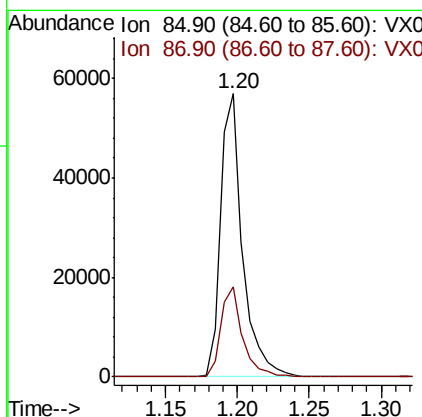
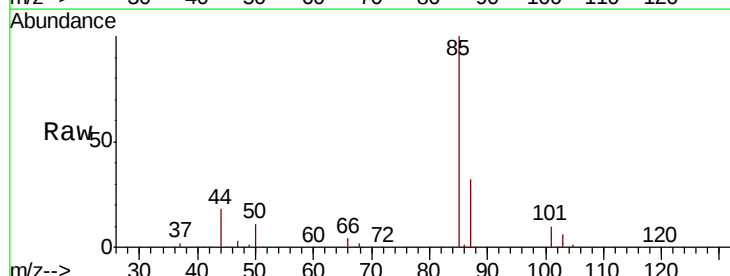
Manual Integrations
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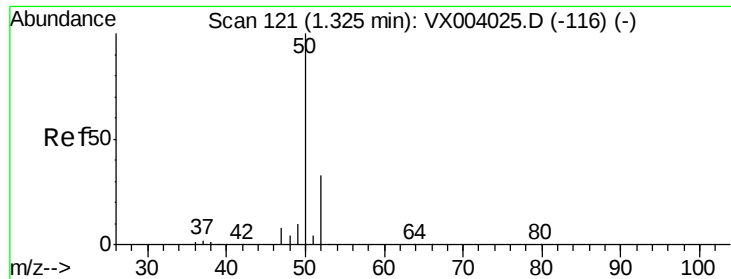
MMDadoda
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#2
Dichlorodifluoromethane
Concen: 20.59 ug/l
RT: 1.20 min Scan# 100
Delta R.T. -0.00 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.9	16.0	48.0





#3

Chloromethane

Concen: 20.84 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004074.D

Acq: 15 Aug 2018 16:01

Instrument :

MSVOA_X

ClientSampleId :

VX0815MBS01

Tot Ion: 50 Resp: 75870

Ion Ratio Lower Upper

50 100

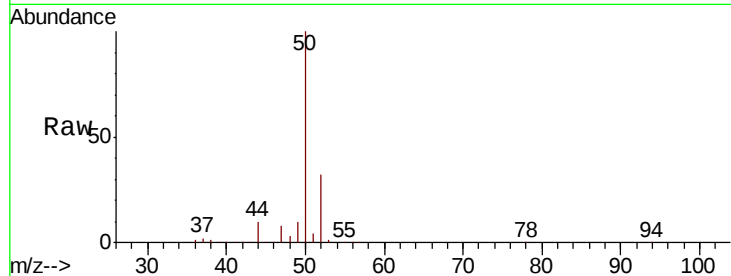
52 32.2 26.6 39.8

Manual Integrations

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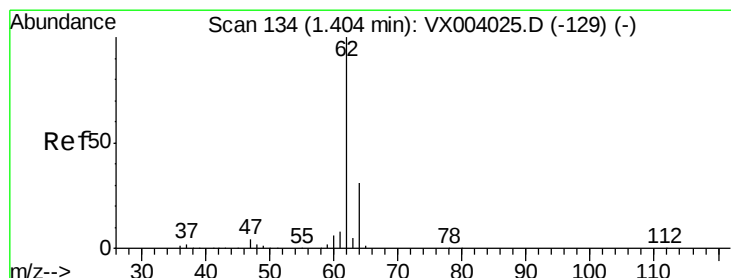
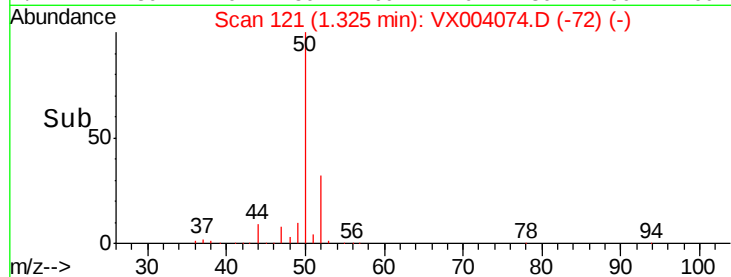
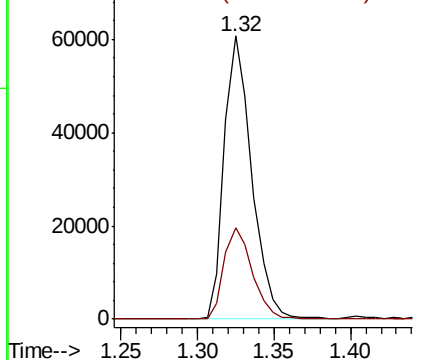
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.46 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004074.D

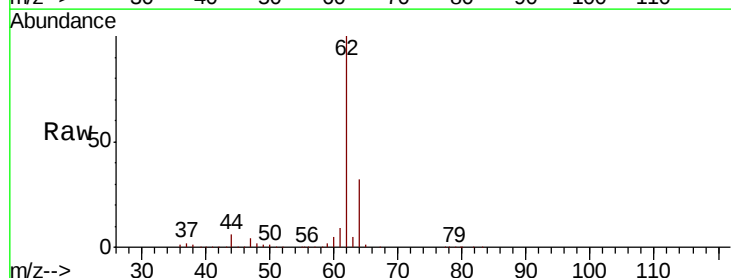
Acq: 15 Aug 2018 16:01

Tgt Ion: 62 Resp: 80611

Ion Ratio Lower Upper

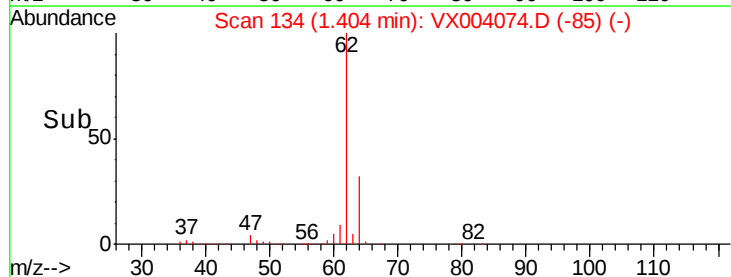
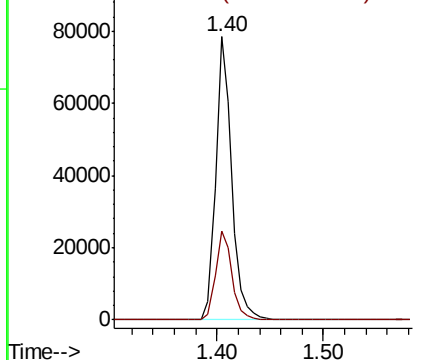
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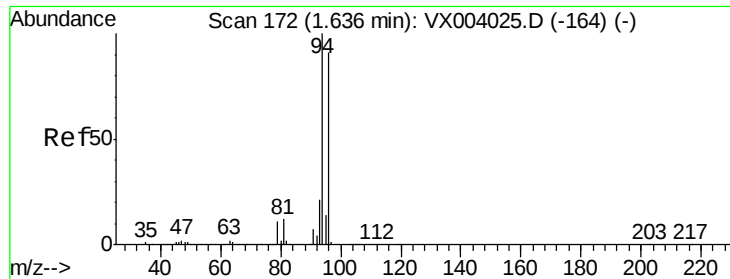
64 31.6 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 22.48 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004074.D

Acq: 15 Aug 2018 16:01

Instrument :

MSVOA_X

ClientSampleId :

VX0815MBS01

Tot Ion: 94 Resp: 45067

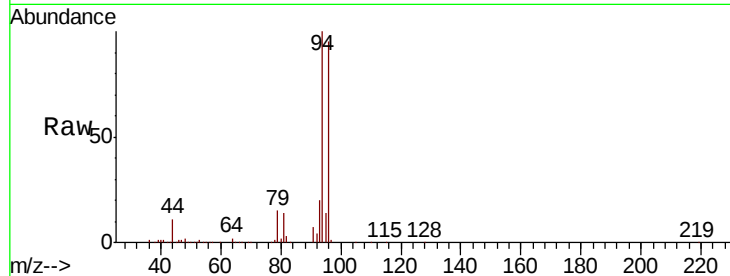
Ion Ratio Lower Upper

94 100

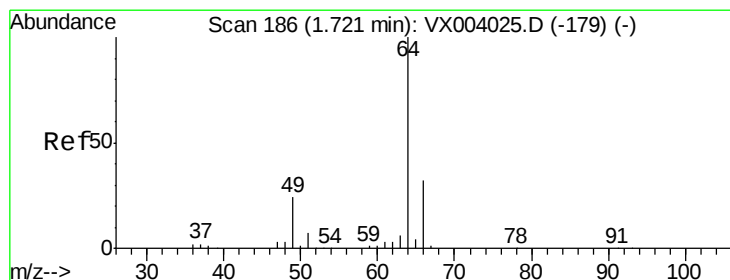
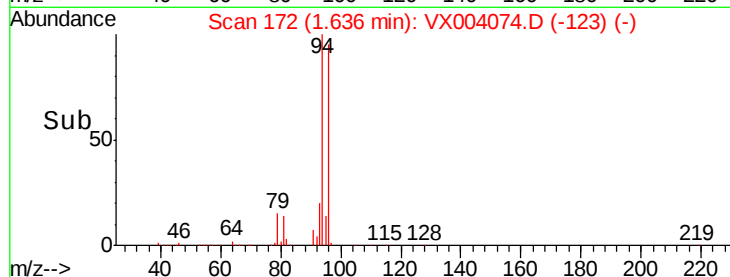
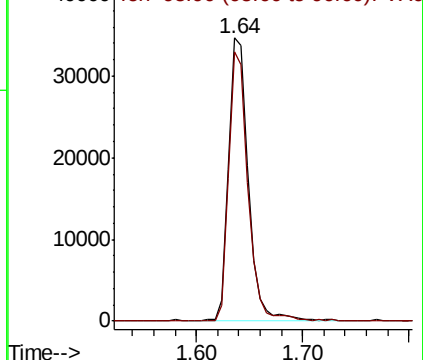
96 94.8 75.2 112.8

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Abundance Ion 93.90 (93.60 to 94.60): VX0
Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.92 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX004074.D

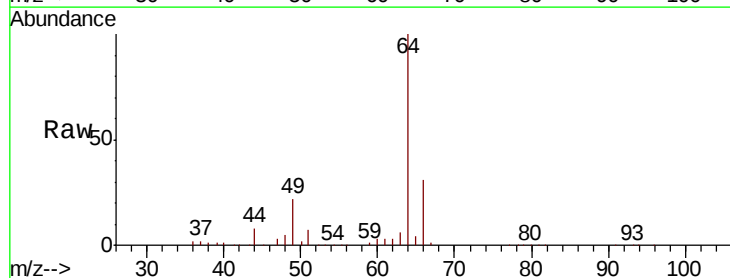
Acq: 15 Aug 2018 16:01

Tgt Ion: 64 Resp: 56906

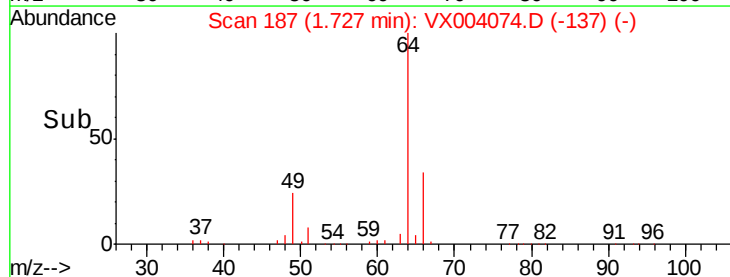
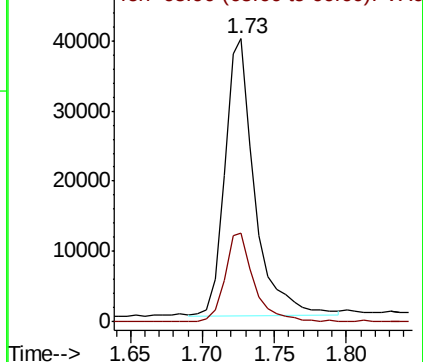
Ion Ratio Lower Upper

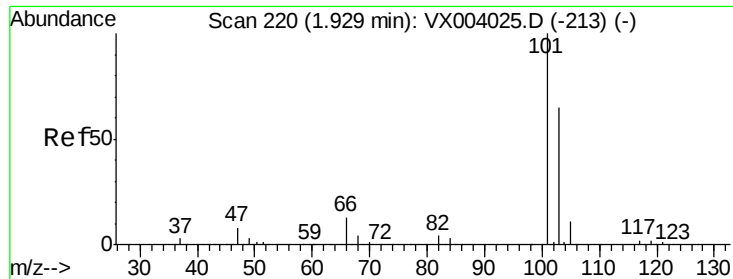
64 100

66 31.9 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0
Ion 65.90 (65.60 to 66.60): VX0





#7

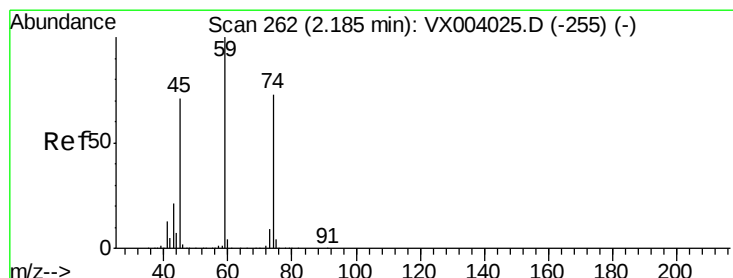
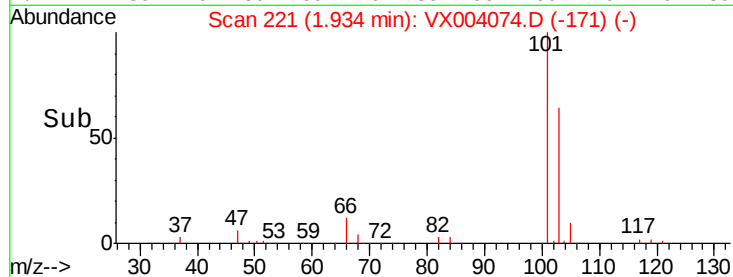
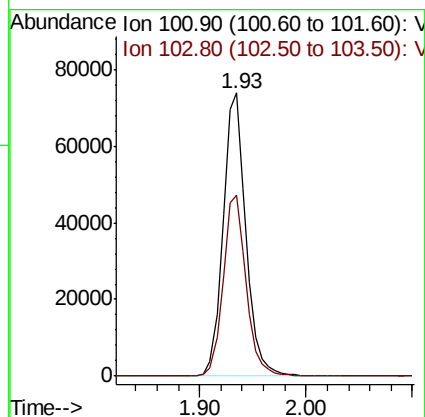
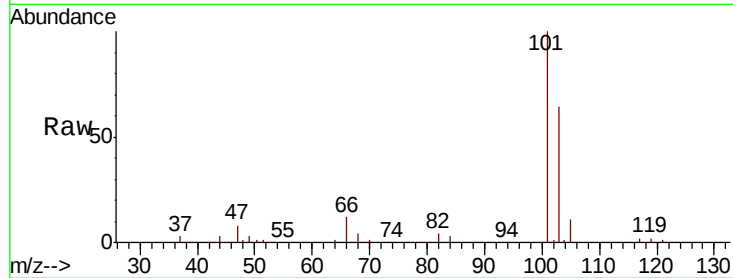
Trichlorofluoromethane
Concen: 19.90 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Instrument :
MSVOA_X
ClientSampleId :
VX0815MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.3	78.5

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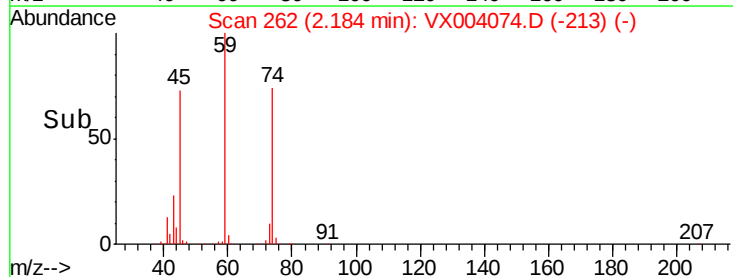
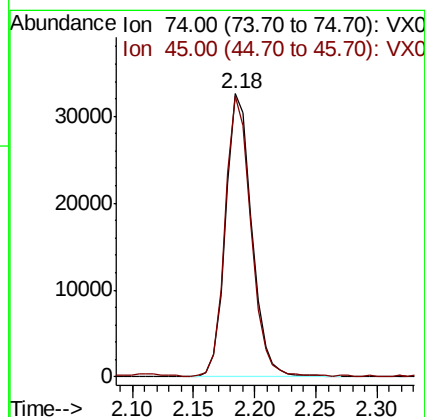
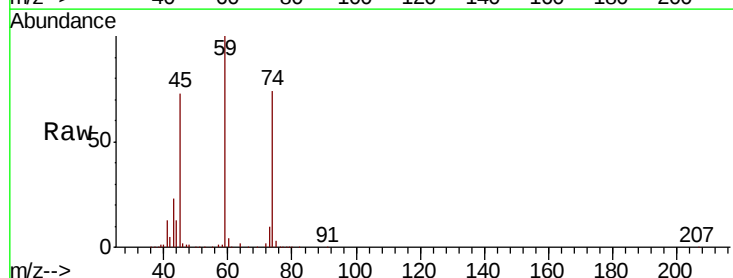
MMDadoda
8/16/2018 4:39:06 PM

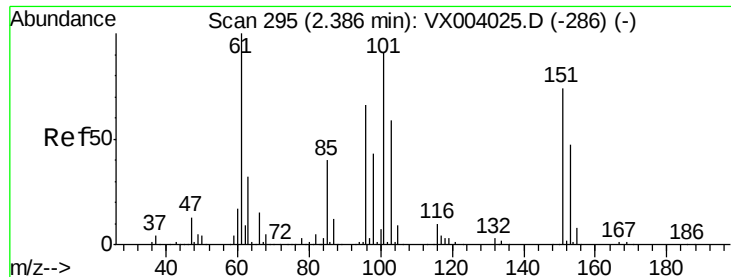


#8

Diethyl Ether
Concen: 20.02 ug/l
RT: 2.18 min Scan# 262
Delta R.T. -0.00 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.9	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.84 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX004074.D

Acq: 15 Aug 2018 16:01

Instrument :

MSVOA_X

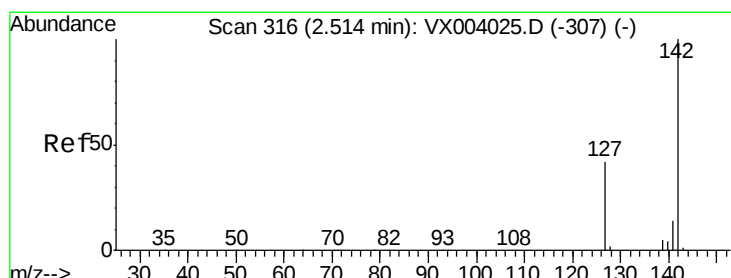
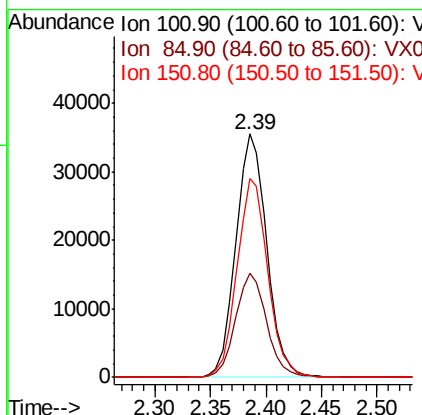
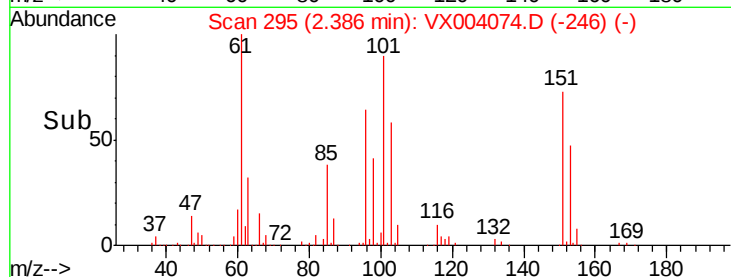
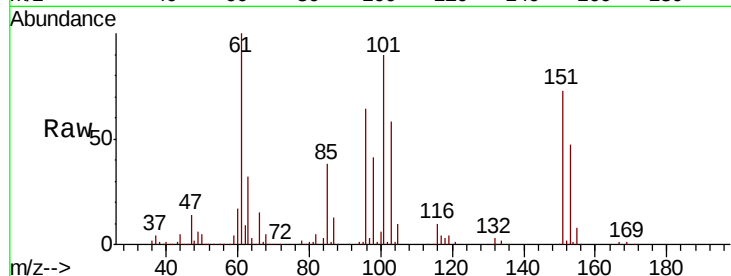
ClientSampleId :

VX0815MBS01

Tot Ion:	101	Resp:	68404
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.2	51.4
151	81.1	65.0	97.4

Manual Integrations
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MMDadoda
8/16/2018 4:39:06 PM



#10

Methyl Iodide

Concen: 20.67 ug/l

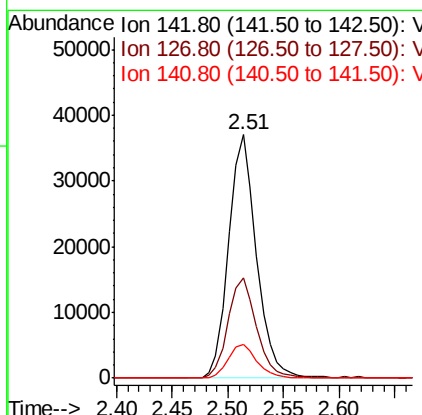
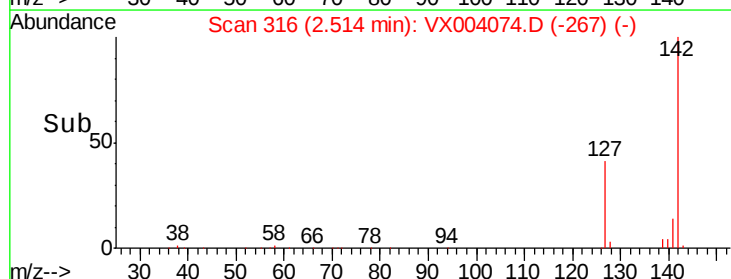
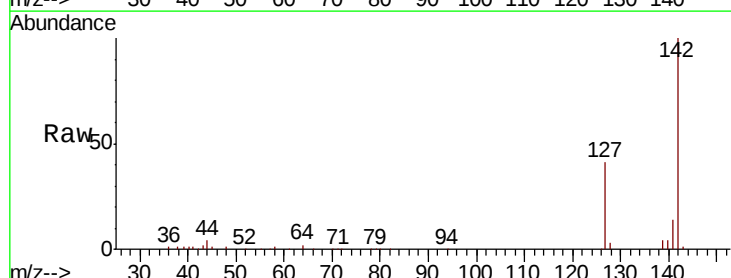
RT: 2.51 min Scan# 316

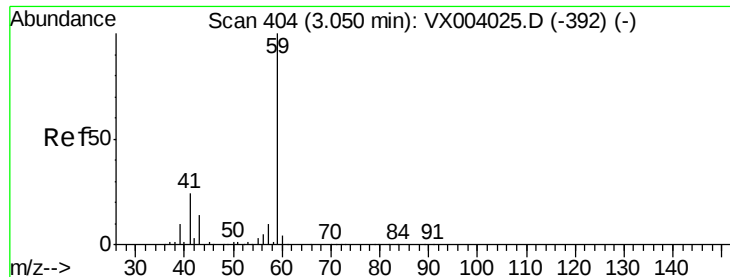
Delta R.T. 0.00 min

Lab File: VX004074.D

Acq: 15 Aug 2018 16:01

Tgt Ion:	142	Resp:	64085
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.1	49.7
141	14.3	11.1	16.7





#11

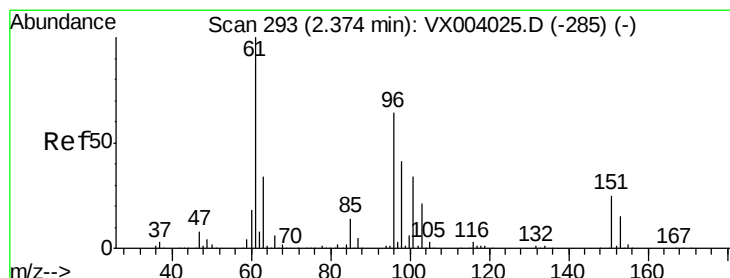
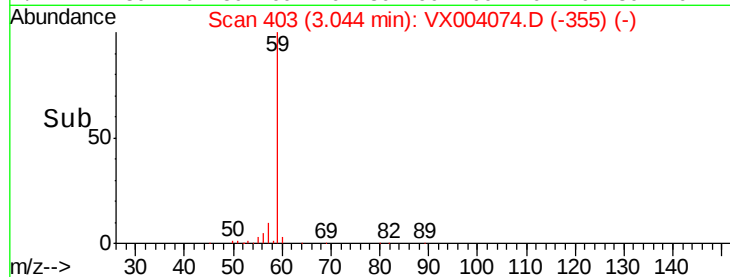
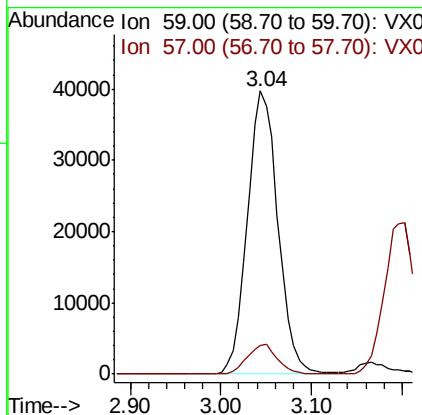
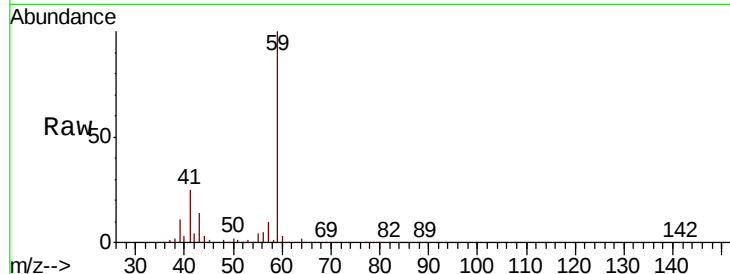
Tert butyl alcohol
 Concen: 107.29 ug/l
 RT: 3.04 min Scan# 403
 Delta R.T. -0.01 min
 Lab File: VX004074.D
 Acq: 15 Aug 2018 16:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.1	12.1

Manual Integrations
 APPROVED

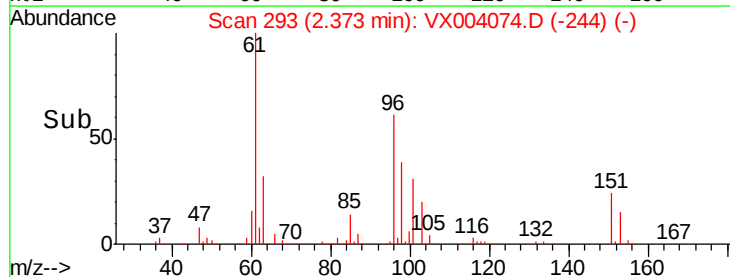
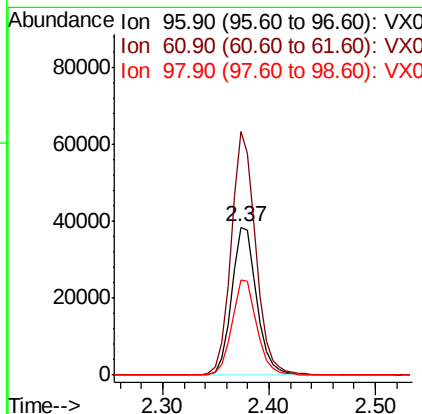
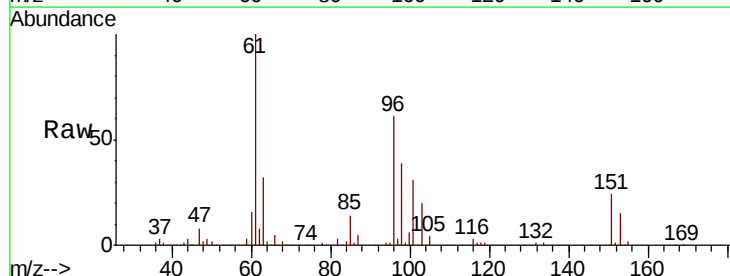
MMDadoda
 8/16/2018 4:39:06 PM

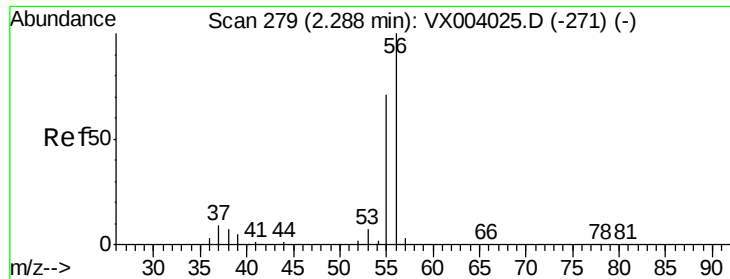


#12

1,1-Dichloroethene
 Concen: 19.77 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX004074.D
 Acq: 15 Aug 2018 16:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.7	131.3	196.9
98	64.4	51.8	77.6





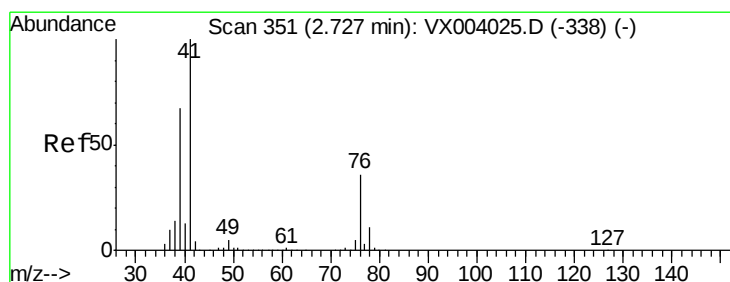
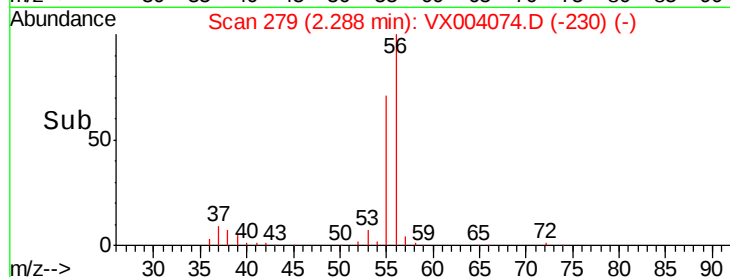
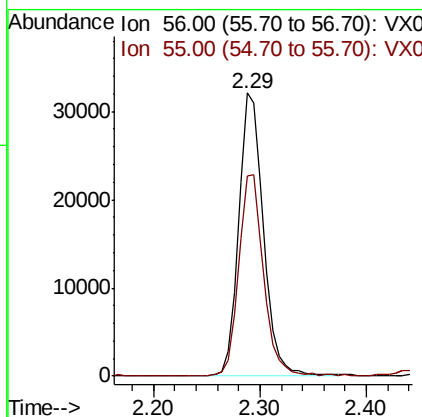
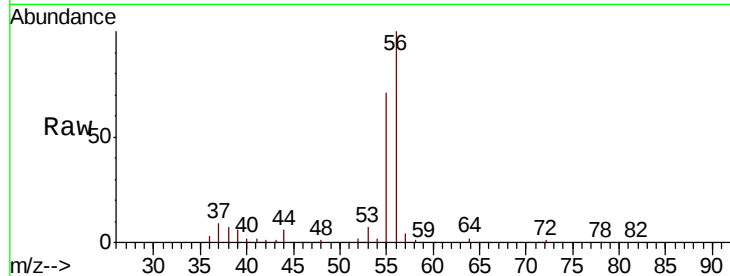
#13
Acrolein
Concen: 96.24 ug/l
RT: 2.29 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Instrument :
MSVOA_X
ClientSampleId :
VX0815MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.9	56.1	84.1

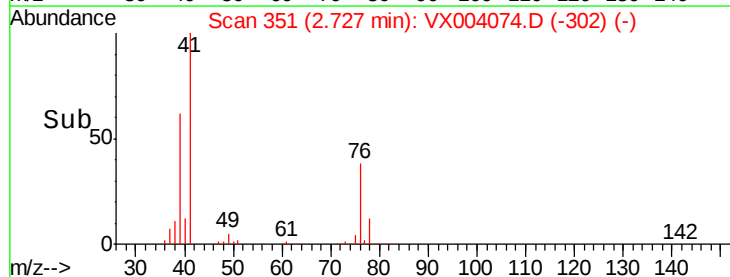
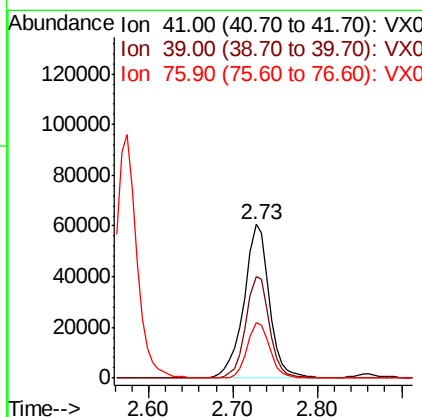
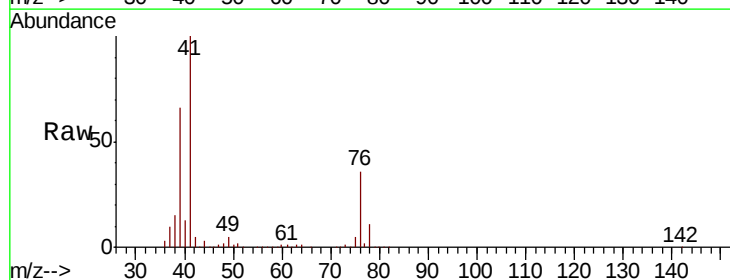
Manual Integrations
APPROVED

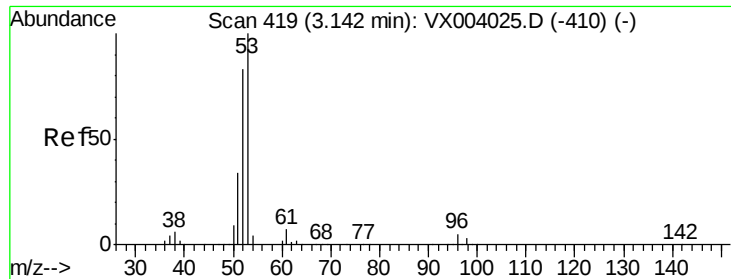
MMDadoda
8/16/2018 4:39:06 PM



#14
Allyl chloride
Concen: 20.06 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.8	47.4	71.0
76	32.1	26.0	39.0





#15

Acrylonitrile

Concen: 104.51 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.00 min

Lab File: VX004074.D

Acq: 15 Aug 2018 16:01

Instrument :

MSVOA_X

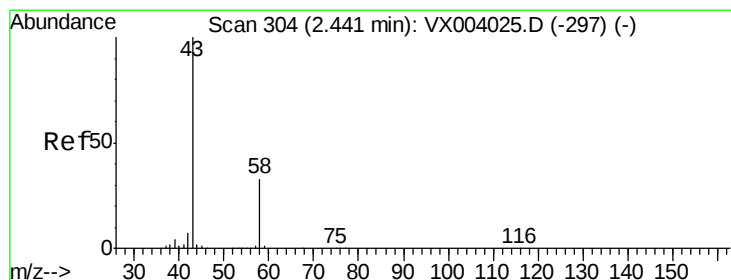
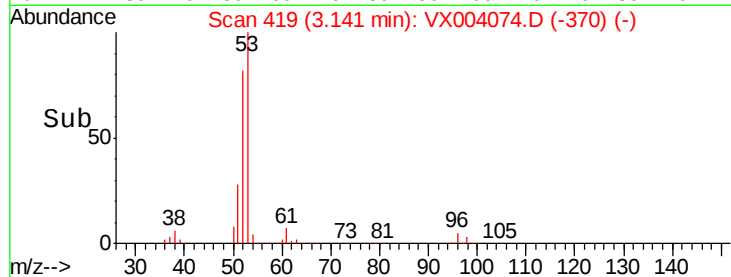
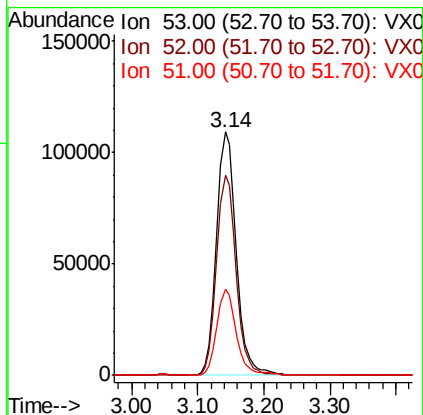
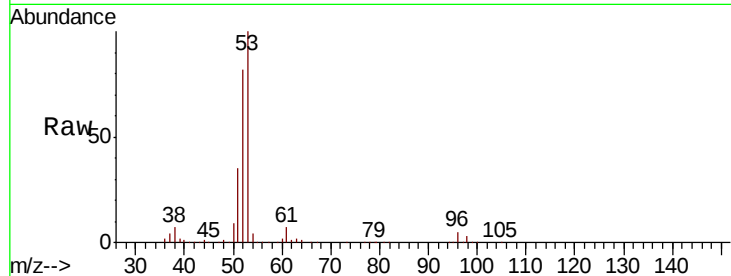
ClientSampled :

VX0815MBS01

Tot Ion:	53	Resp:	225343
Ion Ratio	Lower	Upper	
53	100		
52	82.0	65.3	97.9
51	35.2	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 110.40 ug/l

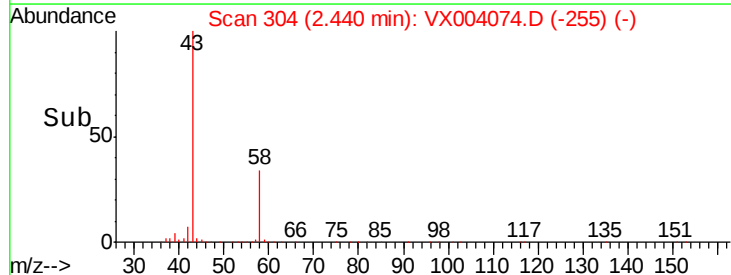
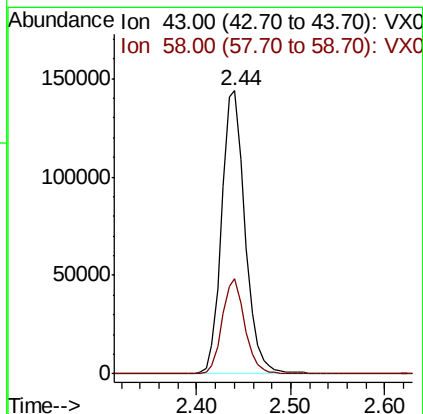
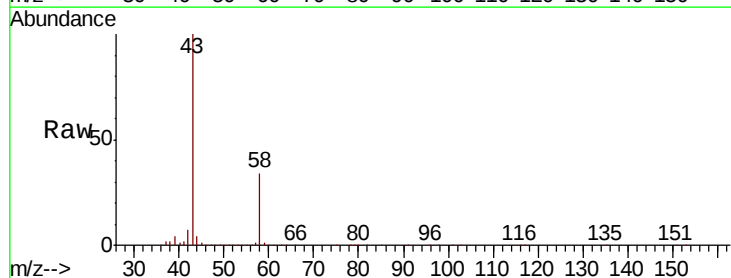
RT: 2.44 min Scan# 304

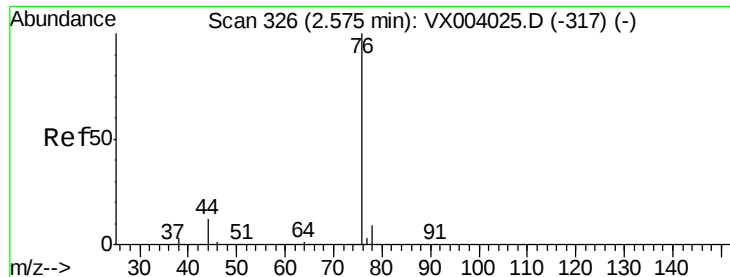
Delta R.T. -0.00 min

Lab File: VX004074.D

Acq: 15 Aug 2018 16:01

Tgt Ion:	43	Resp:	246508
Ion Ratio	Lower	Upper	
43	100		
58	33.5	26.4	39.6





#17

Carbon Disulfide

Concen: 18.16 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX004074.D

Acq: 15 Aug 2018 16:01

Instrument :

MSVOA_X

ClientSampleId :

VX0815MBS01

Tot Ion: 76 Resp: 165156

Ion Ratio Lower Upper

76 100

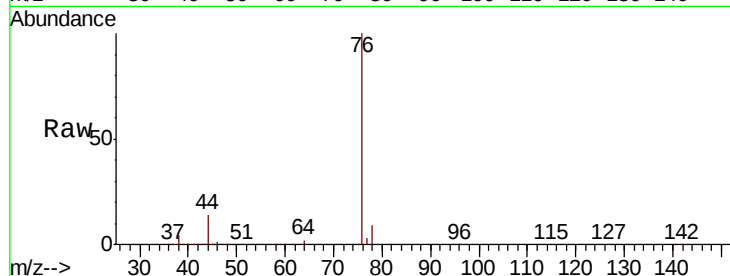
78 9.2 7.5 11.3

Manual Integrations

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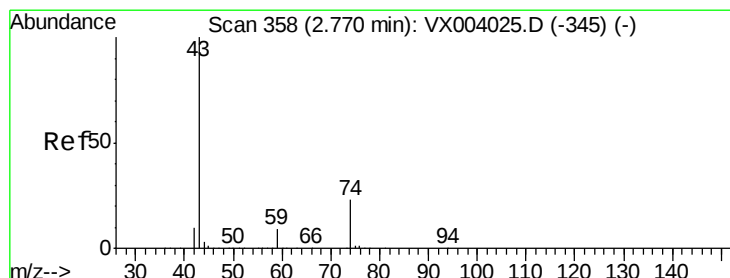
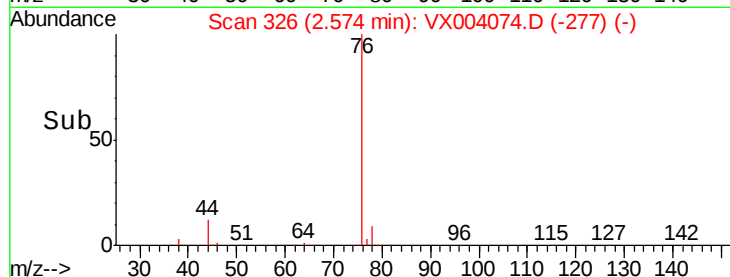
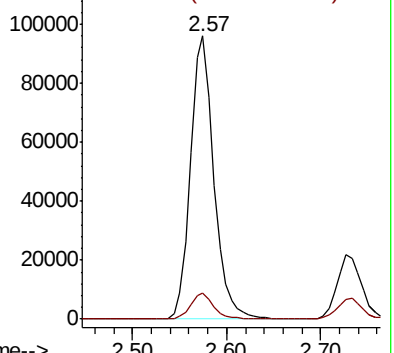
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 21.31 ug/l

RT: 2.77 min Scan# 358

Delta R.T. -0.00 min

Lab File: VX004074.D

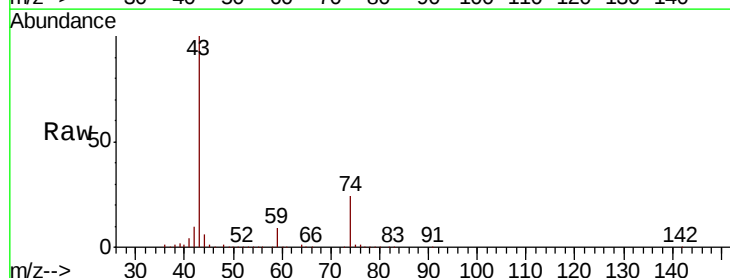
Acq: 15 Aug 2018 16:01

Tgt Ion: 43 Resp: 105731

Ion Ratio Lower Upper

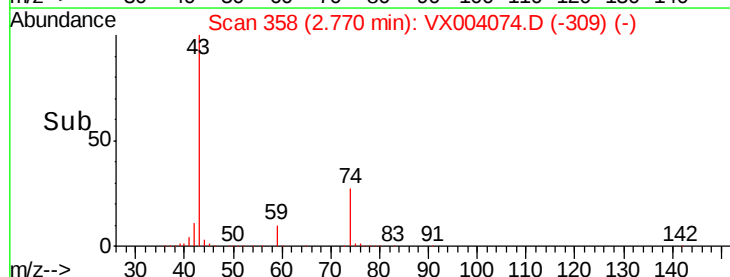
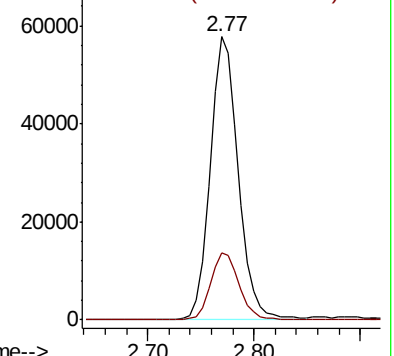
43 100

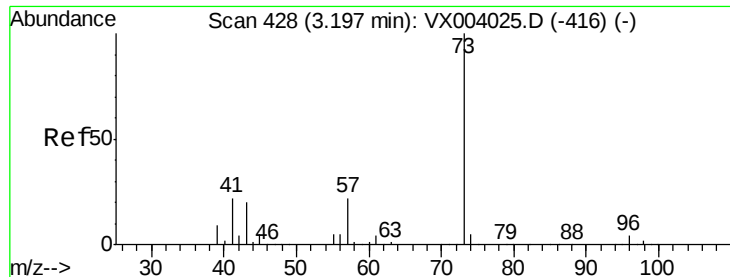
74 24.5 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

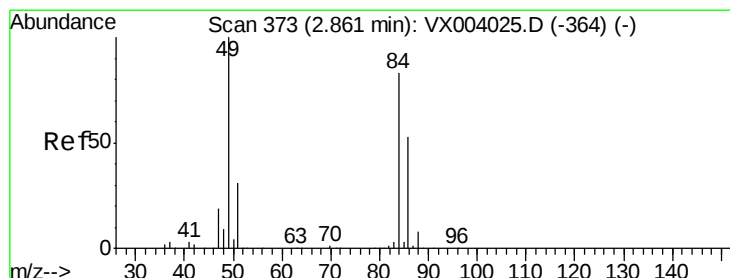
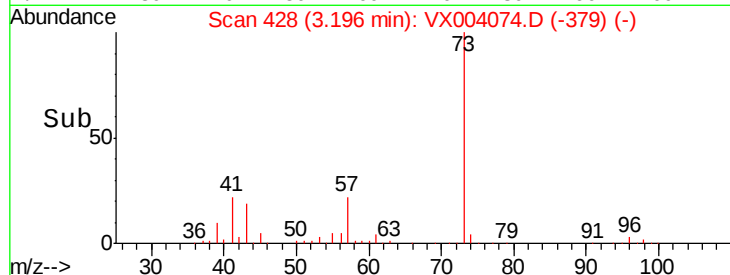
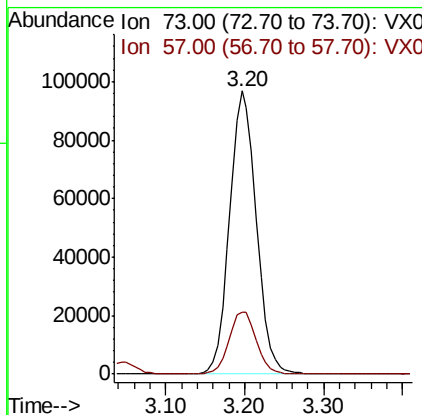
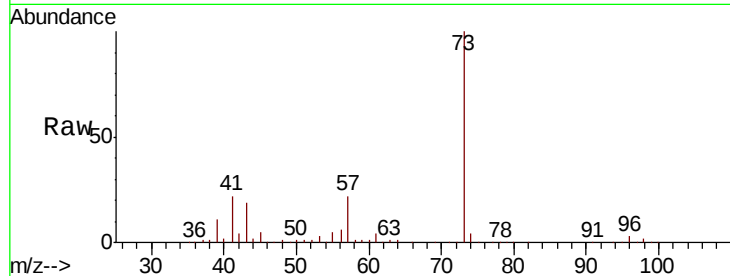
Methvl tert-butvl Ether
 Concen: 20.18 ug/l
 RT: 3.20 min Scan# 428
 Delta R.T. -0.00 min
 Lab File: VX004074.D
 Acq: 15 Aug 2018 16:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	18.0	27.0

Manual Integrations
 APPROVED

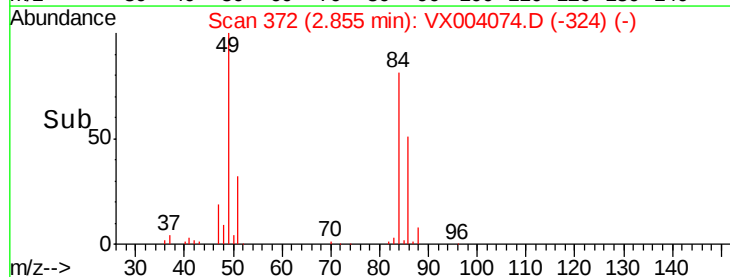
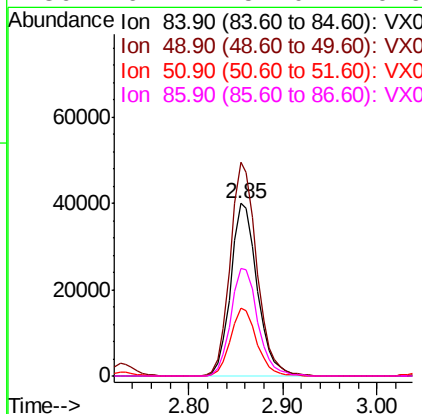
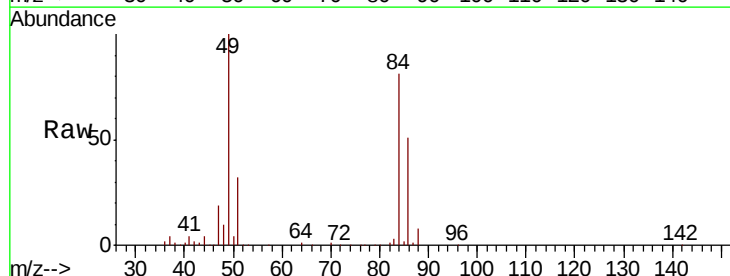
MMDadoda
 8/16/2018 4:39:06 PM

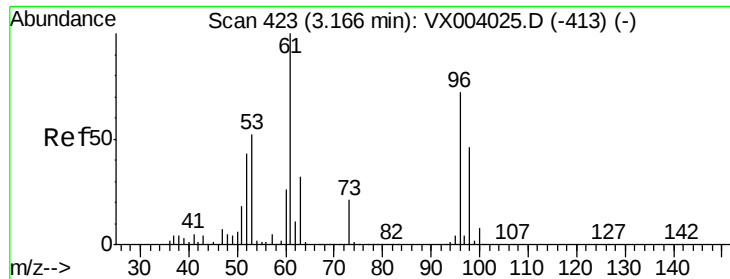


#20

Methylene Chloride
 Concen: 21.08 ug/l
 RT: 2.85 min Scan# 372
 Delta R.T. -0.01 min
 Lab File: VX004074.D
 Acq: 15 Aug 2018 16:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.7	98.9	148.3
51	39.4	29.9	44.9
86	62.7	51.0	76.6





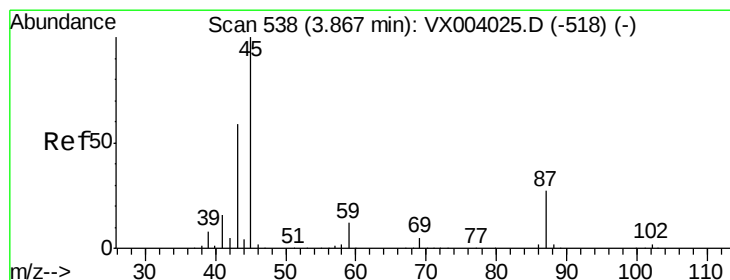
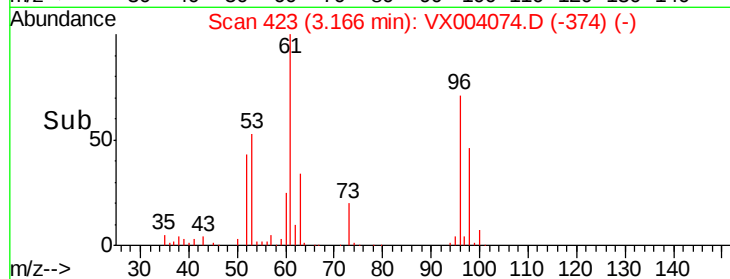
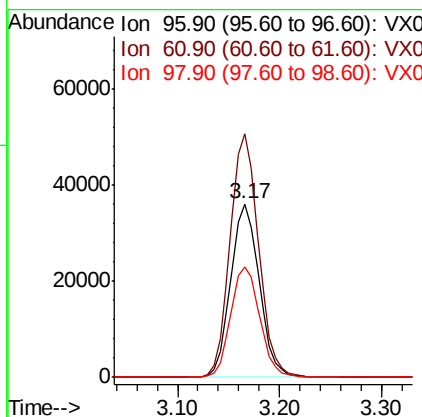
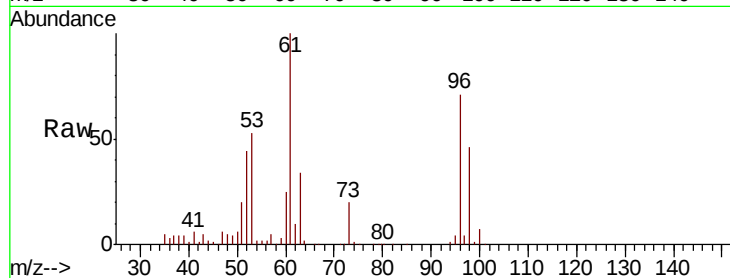
#21
trans-1,2-Dichloroethene
Concen: 19.18 ug/l
RT: 3.17 min Scan# 423
Delta R.T. -0.00 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Instrument :
MSVOA_X
ClientSampleId :
VX0815MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.3	111.8	167.6
98	63.9	51.8	77.6

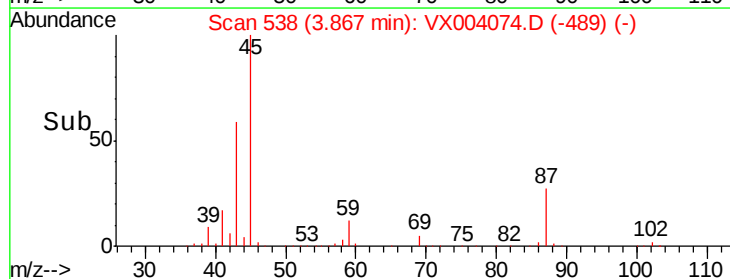
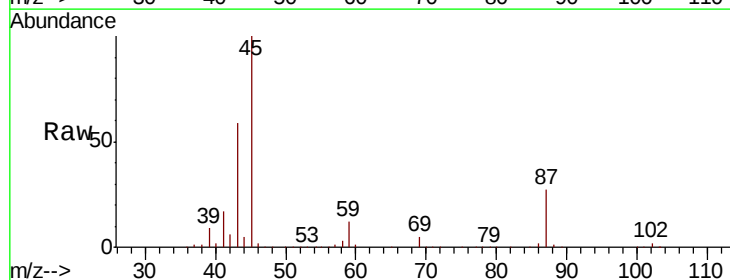
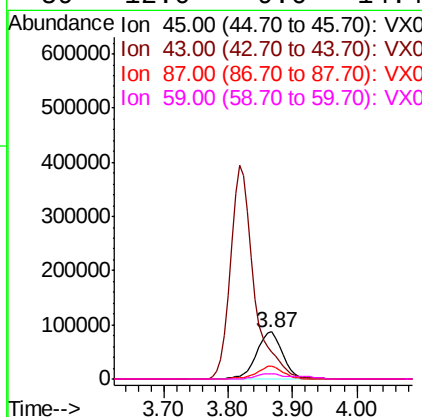
Manual Integrations
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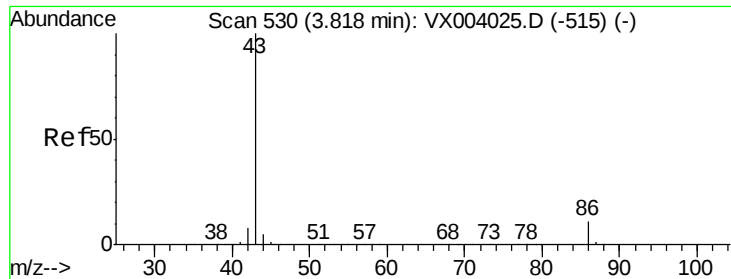
MMDadoda
8/16/2018 4:39:06 PM



#22
Diisopropyl ether
Concen: 20.24 ug/l
RT: 3.87 min Scan# 538
Delta R.T. -0.00 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.6	45.3	67.9
87	26.8	22.7	34.1
59	12.0	9.6	14.4





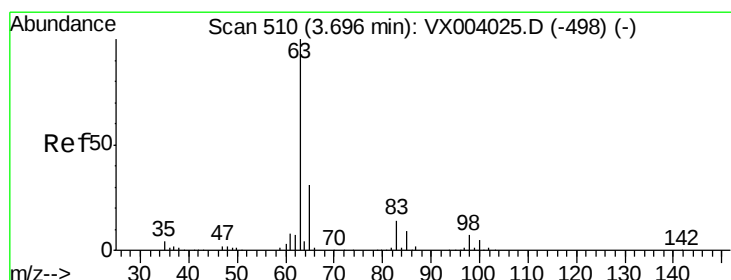
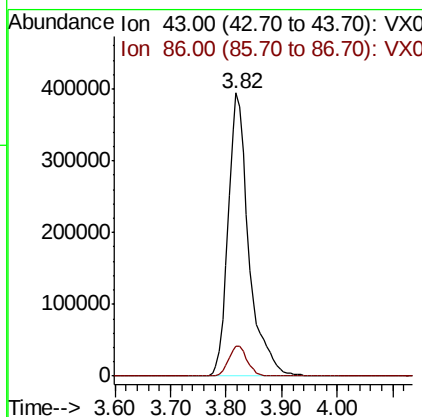
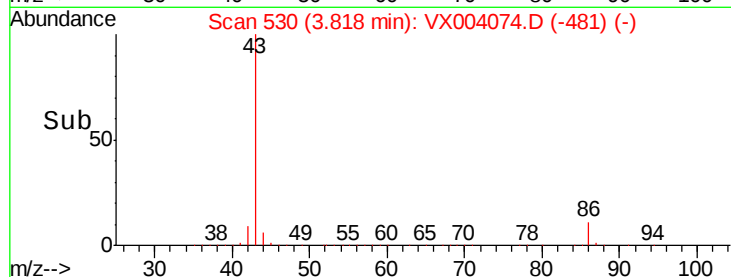
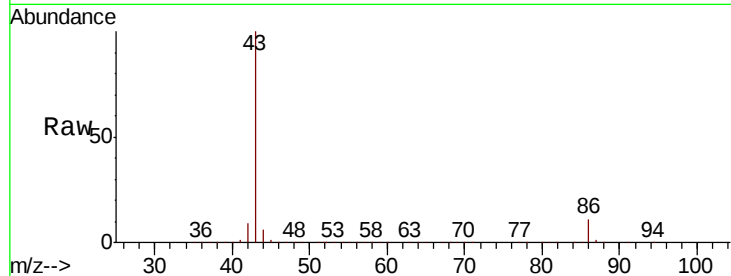
#23
 Vinyl Acetate
 Concen: 103.25 ug/l
 RT: 3.82 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VX004074.D
 Acq: 15 Aug 2018 16:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815MBS01

Tot Ion: 43 Resp: 1013848
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.9 13.3

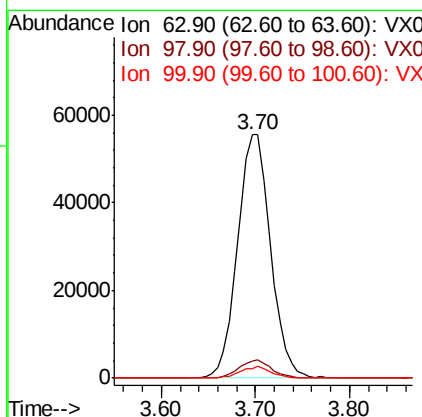
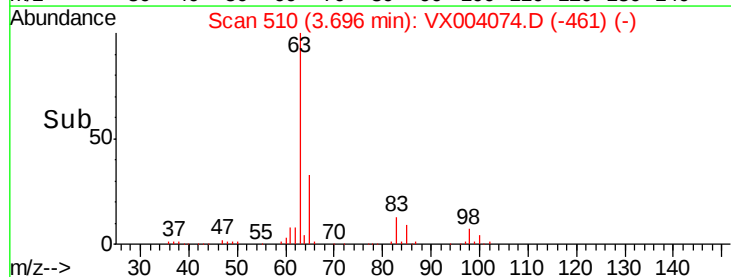
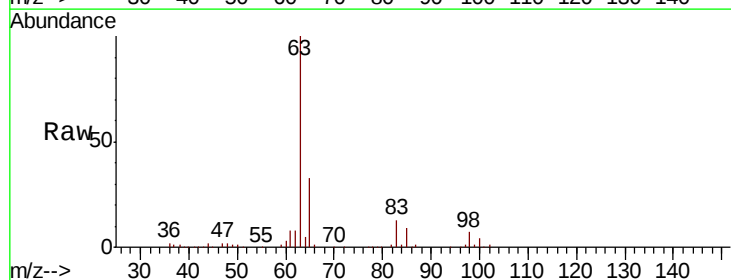
Manual Integrations
 APPROVED

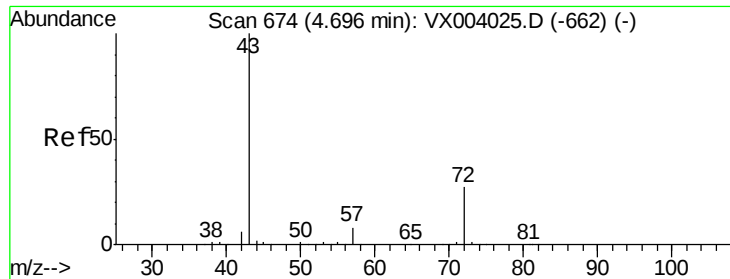
MMDadoda
 8/16/2018 4:39:06 PM



#24
 1,1-Dichloroethane
 Concen: 20.06 ug/l
 RT: 3.70 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VX004074.D
 Acq: 15 Aug 2018 16:01

Tgt Ion: 63 Resp: 135846
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.5 10.5
 100 4.1 2.3 6.8





#25

2-Butanone

Concen: 106.05 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.00 min

Lab File: VX004074.D

Acq: 15 Aug 2018 16:01

Instrument :

MSVOA_X

ClientSampleId :

VX0815MBS01

Tot Ion: 43 Resp: 385292

Ion Ratio Lower Upper

43 100

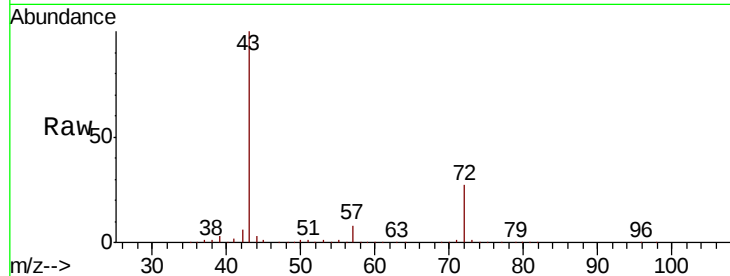
72 26.9 21.4 32.0

Manual Integrations

APPROVED

MMDadoda

8/16/2018 4:39:06 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

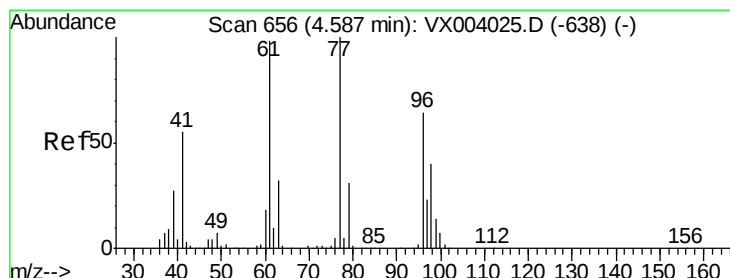
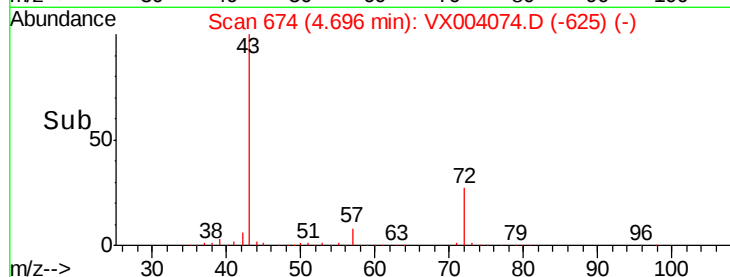
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 19.40 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX004074.D

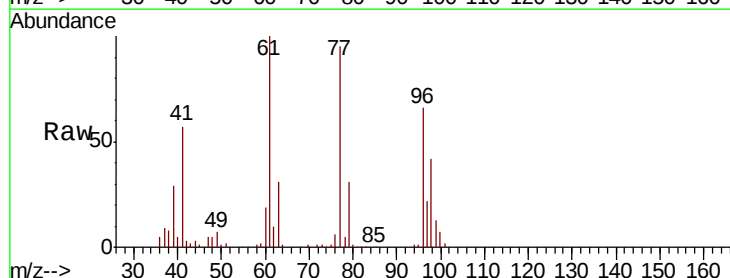
Acq: 15 Aug 2018 16:01

Tgt Ion: 77 Resp: 104454

Ion Ratio Lower Upper

77 100

97 23.3 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

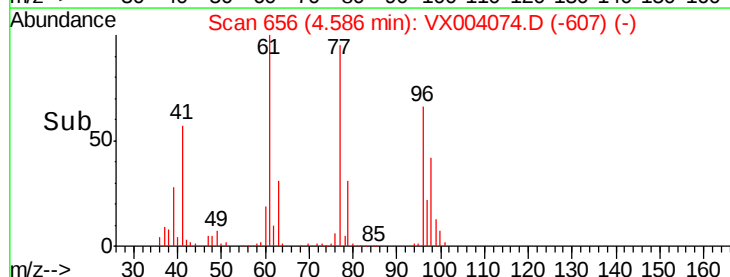
20000

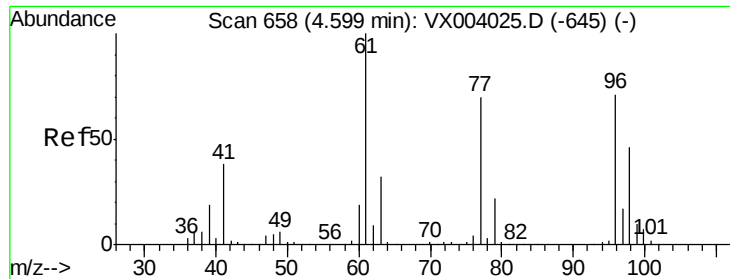
10000

0

4.50 4.60 4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 19.99 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX004074.D

Acq: 15 Aug 2018 16:01

Instrument :

MSVOA_X

ClientSampleId :

VX0815MBS01

Tot Ion: 96 Resp: 81879

Ion Ratio Lower Upper

96 100

61 151.0 0.0 293.0

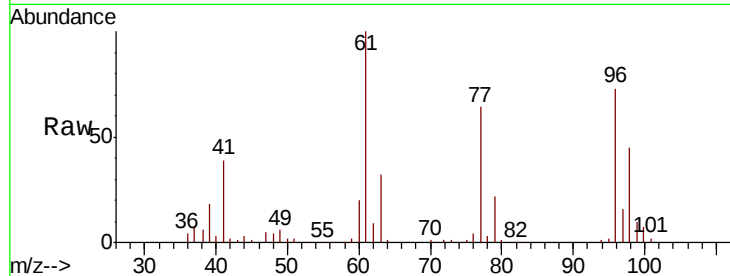
98 65.5 0.0 131.8

Manual Integrations

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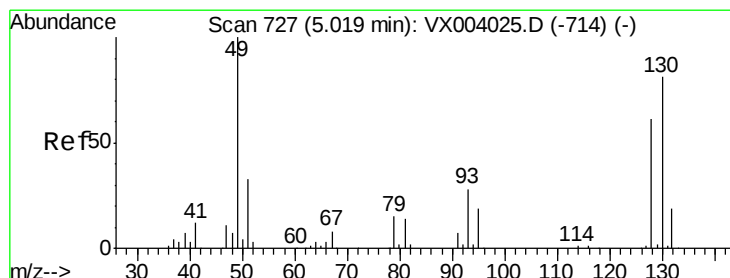
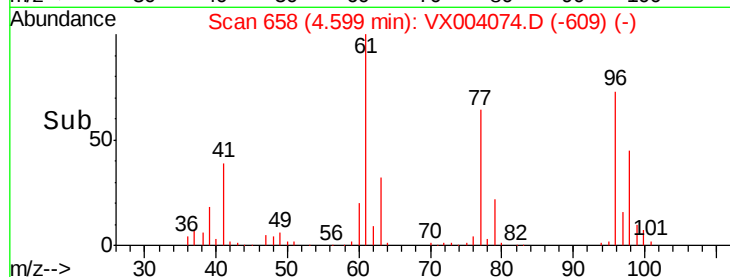
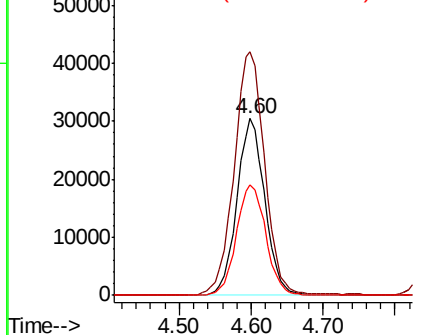
8/16/2018 4:39:06 PM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 21.06 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.00 min

Lab File: VX004074.D

Acq: 15 Aug 2018 16:01

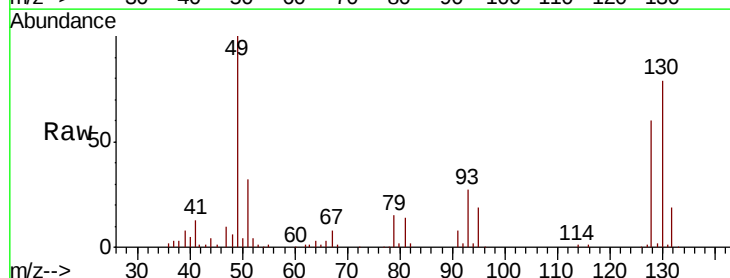
Tgt Ion: 49 Resp: 65437

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.2

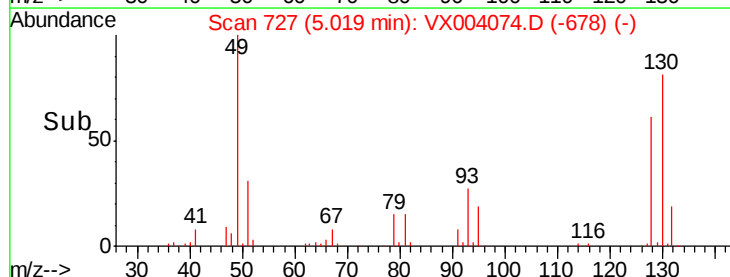
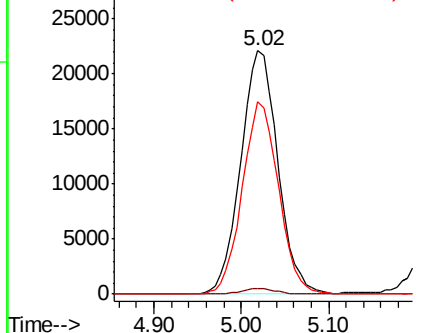
130 77.2 66.5 99.7

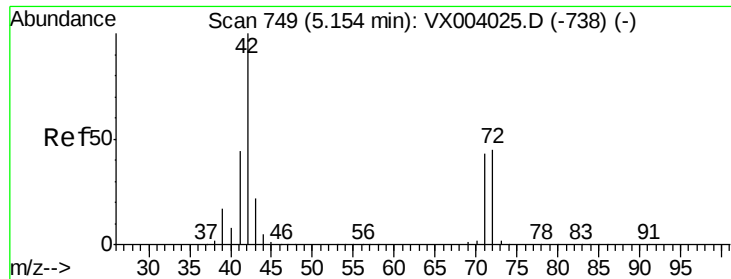


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





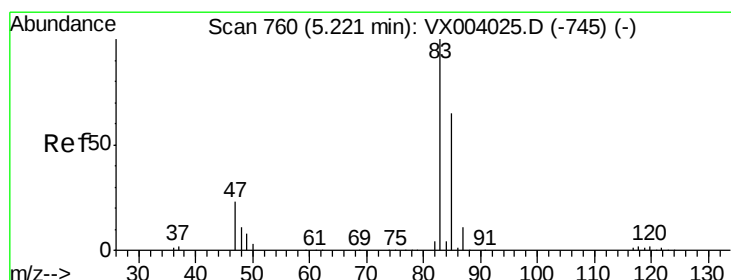
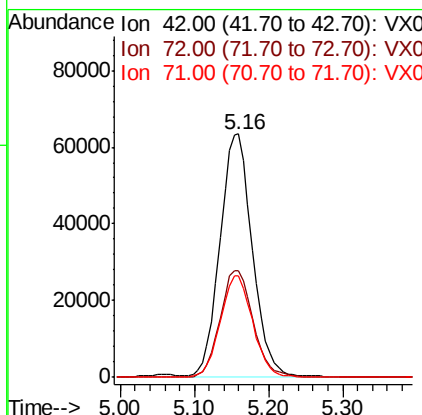
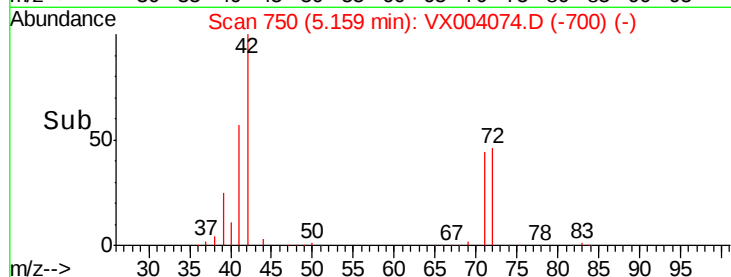
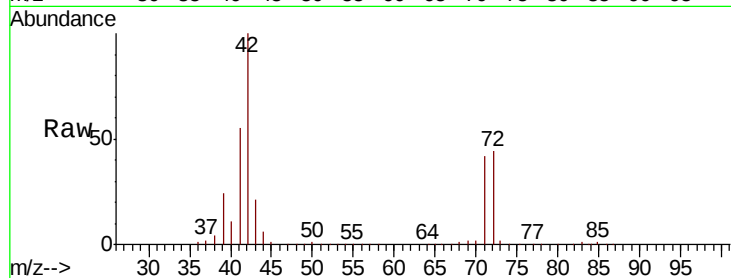
#29
Tetrahydrofuran
Concen: 103.15 ug/l
RT: 5.16 min Scan# 750
Delta R.T. 0.01 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Instrument :
MSVOA_X
ClientSampleId :
VX0815MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	37.7	56.5
71	41.8	35.0	52.6

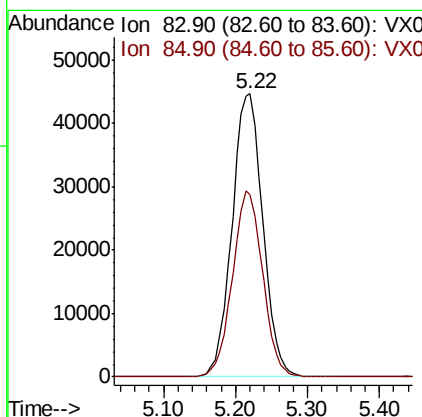
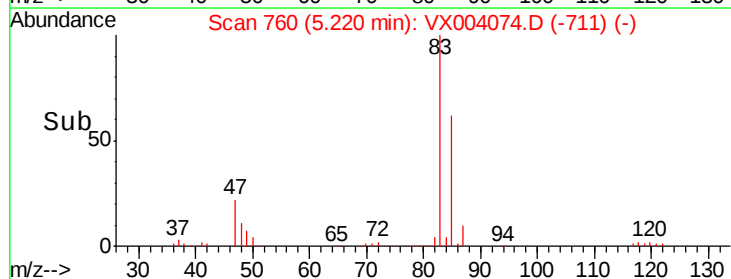
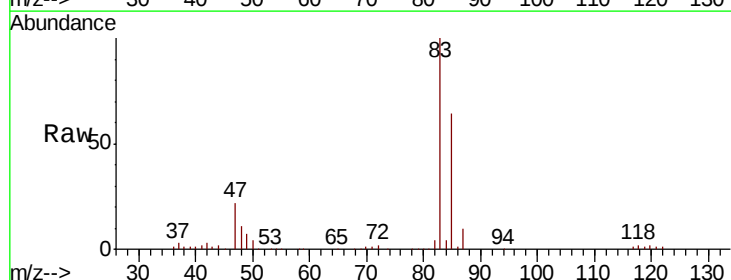
Manual Integrations
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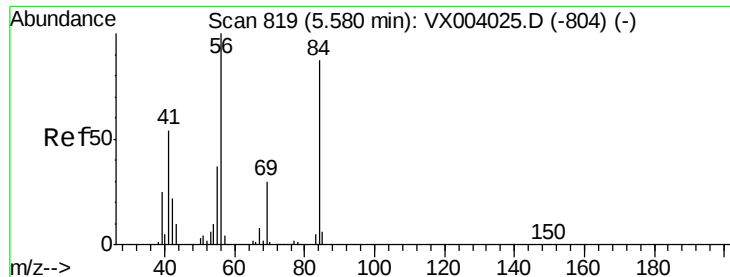
MMDadoda
8/16/2018 4:39:06 PM



#30
Chloroform
Concen: 20.10 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.7	76.1





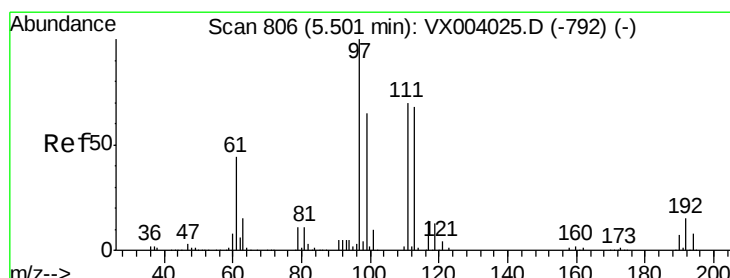
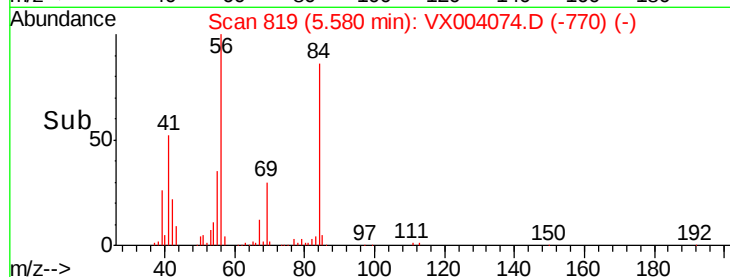
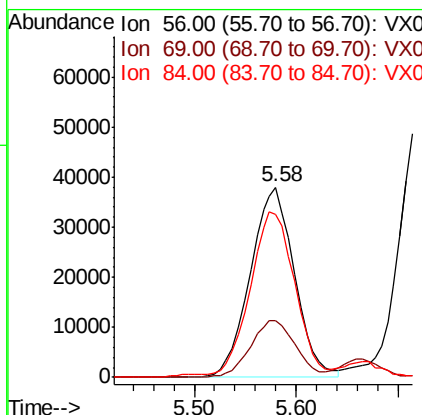
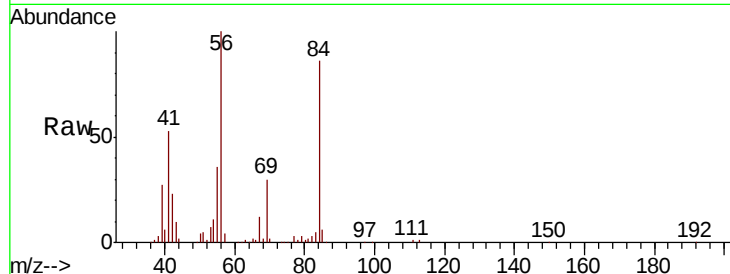
#31
Cyclohexane
Concen: 19.21 ug/l
RT: 5.58 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Instrument :
MSVOA_X
ClientSampleId :
VX0815MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.9	37.3
84	84.2	71.7	107.5

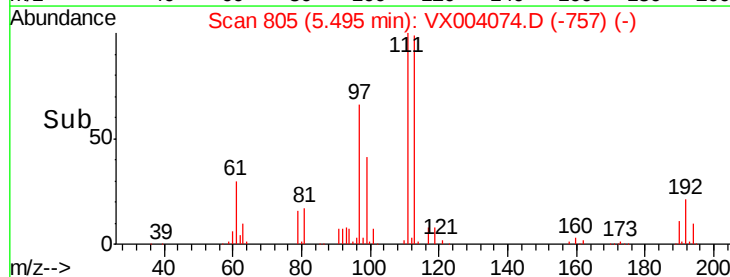
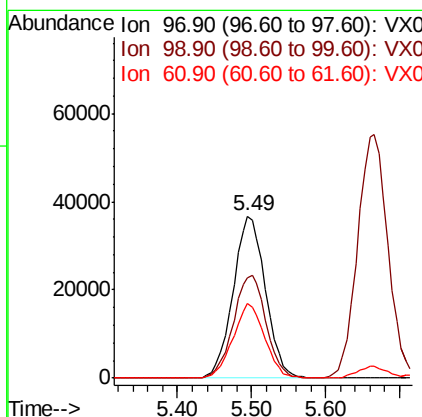
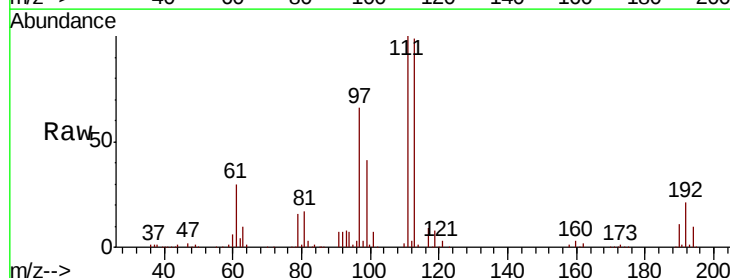
Manual Integrations
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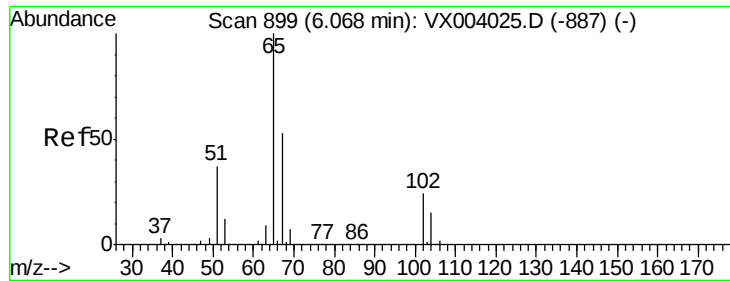
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.16 ug/l
RT: 5.49 min Scan# 805
Delta R.T. -0.01 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.8	77.8
61	45.5	34.4	51.6





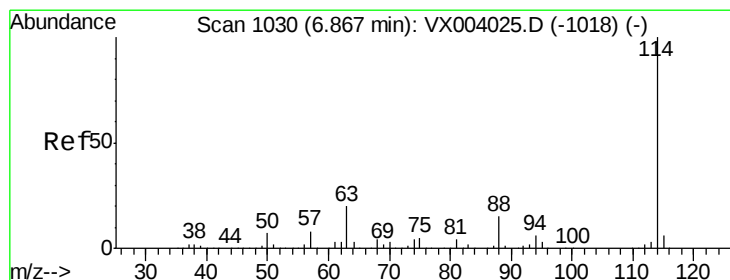
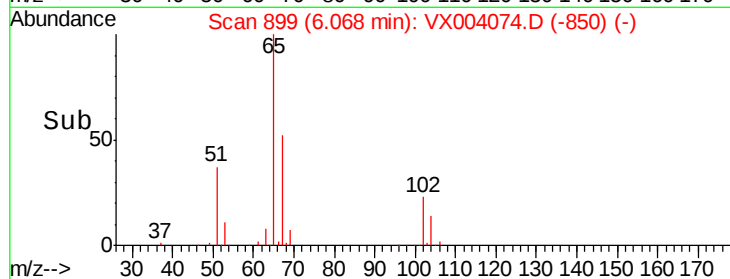
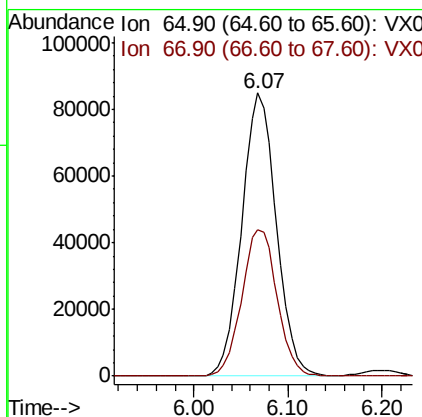
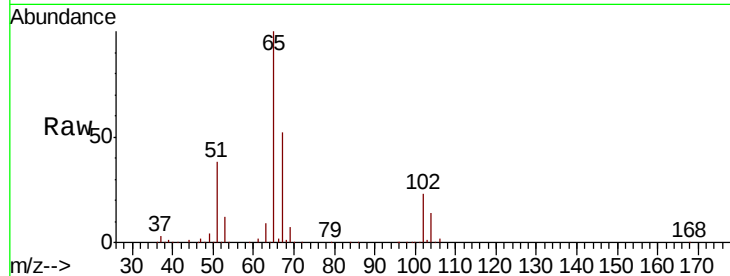
#33
 1,2-Dichloroethane-d4
 Concen: 50.72 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004074.D
 Acq: 15 Aug 2018 16:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815MBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	105.8

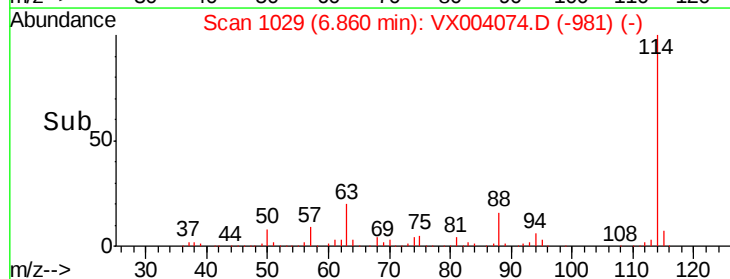
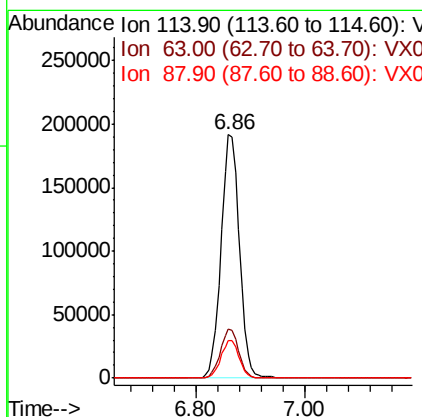
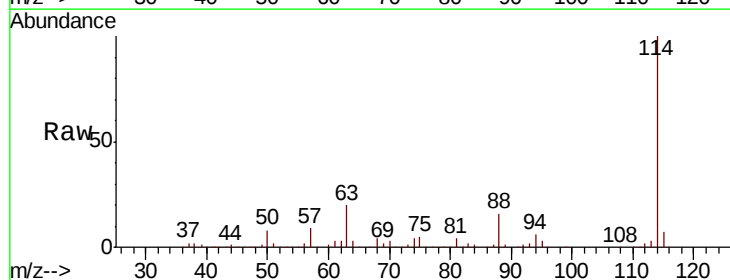
Manual Integrations
 APPROVED

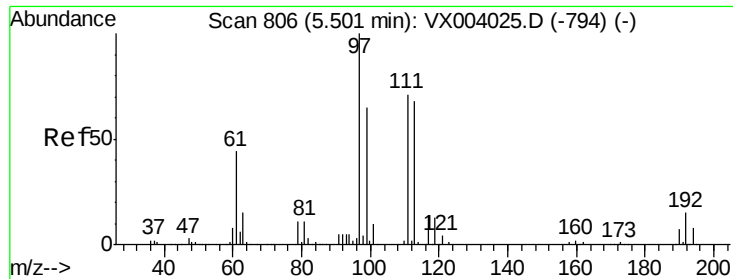
MMDadoda
 8/16/2018 4:39:06 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX004074.D
 Acq: 15 Aug 2018 16:01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	39.0
88	15.6	0.0	32.0





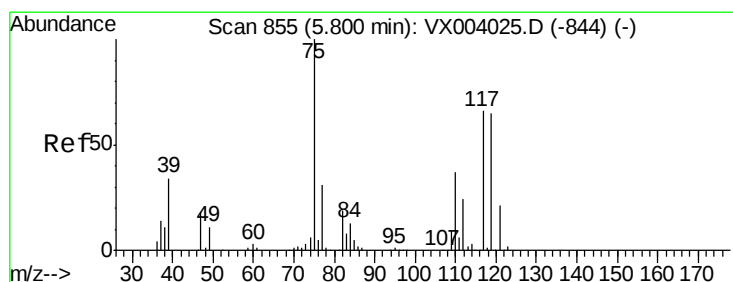
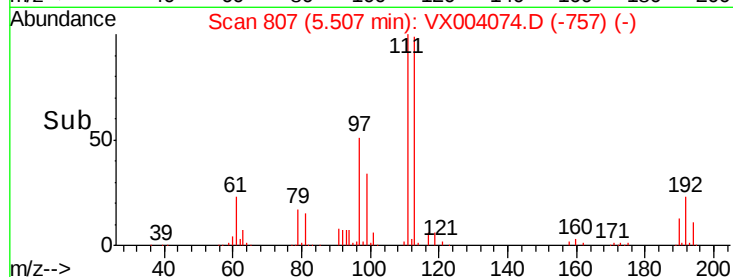
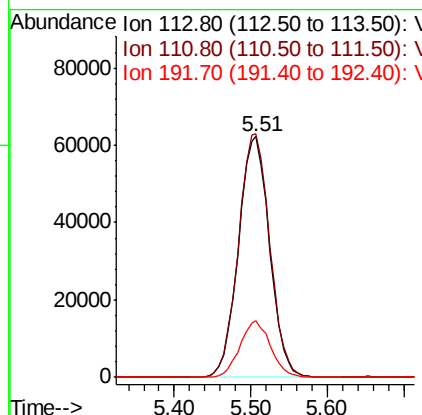
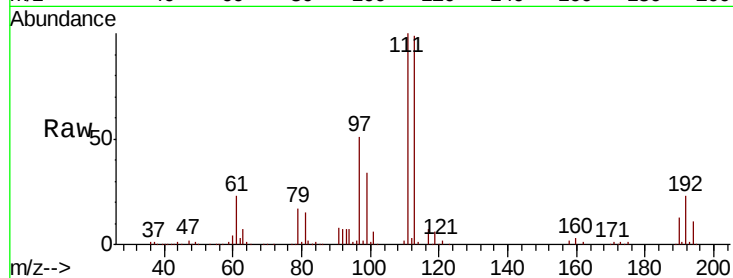
#35
Dibromofluoromethane
Concen: 52.04 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Instrument :
MSVOA_X
ClientSampleId :
VX0815MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.5	82.0	123.0	
192	23.2	19.0	28.4	

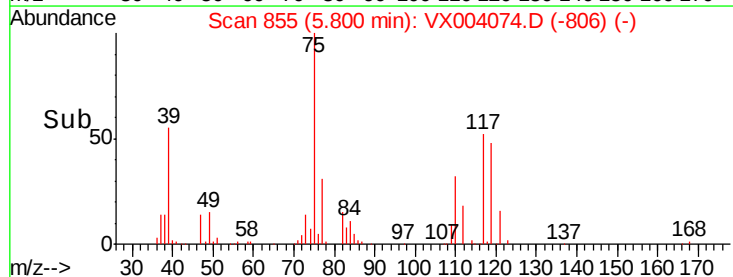
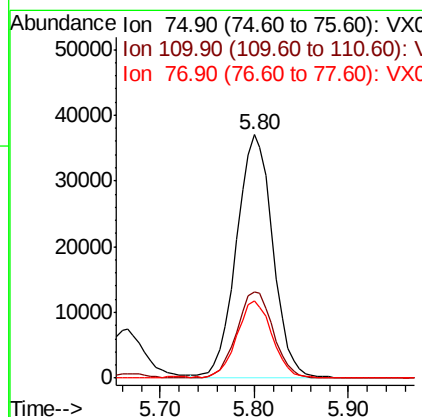
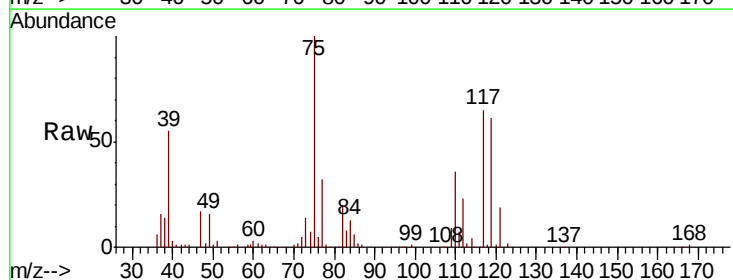
Manual Integrations
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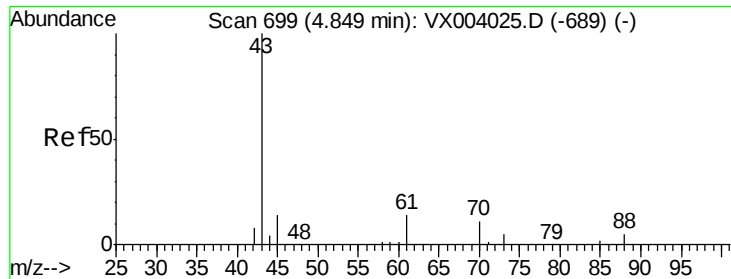
MMDadoda
8/16/2018 4:39:06 PM



#36
1,1-Dichloropropene
Concen: 19.44 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.00 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.0	18.2	54.6	
77	31.1	25.0	37.4	





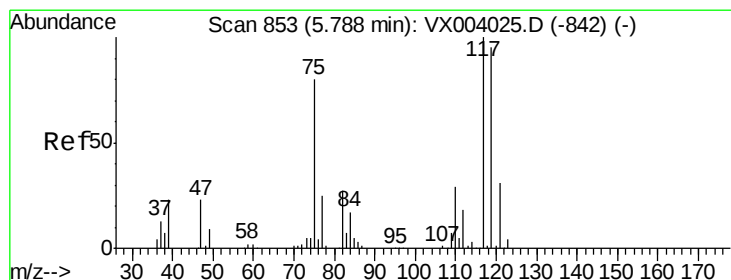
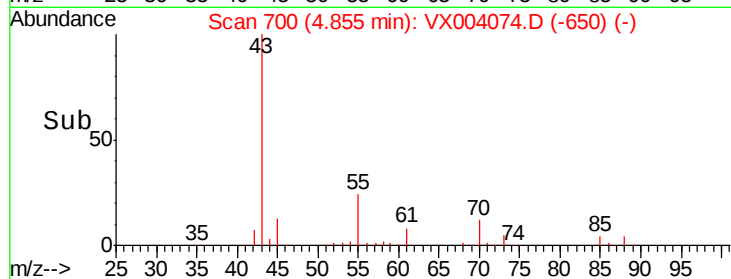
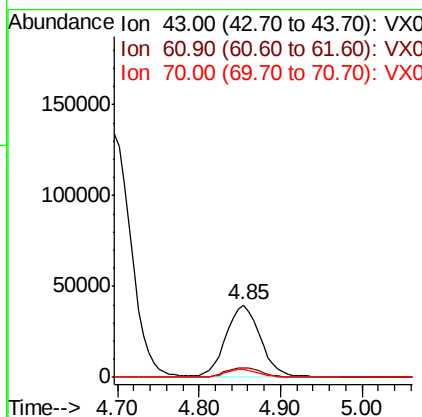
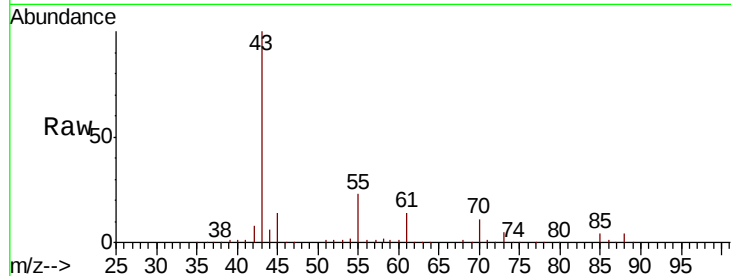
#37
Ethyl Acetate
Concen: 20.74 ug/l
RT: 4.85 min Scan# 700
Delta R.T. 0.01 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Instrument :
MSVOA_X
ClientSampleId :
VX0815MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.5	17.3
70	11.2	9.0	13.4

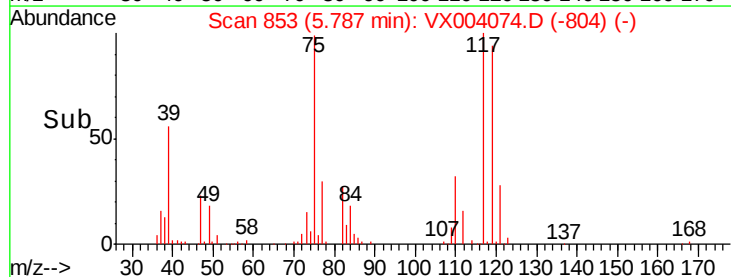
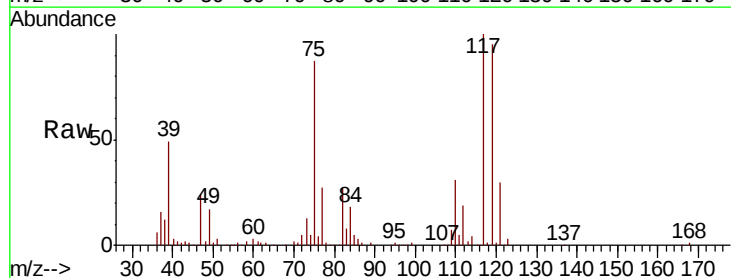
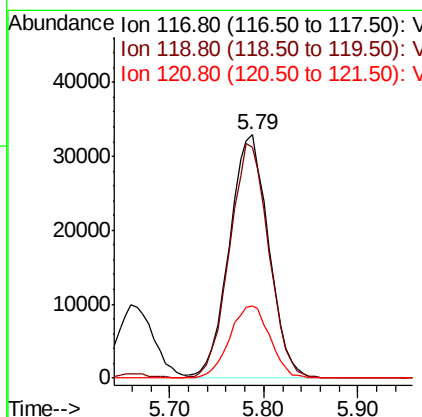
Manual Integrations
APPROVED

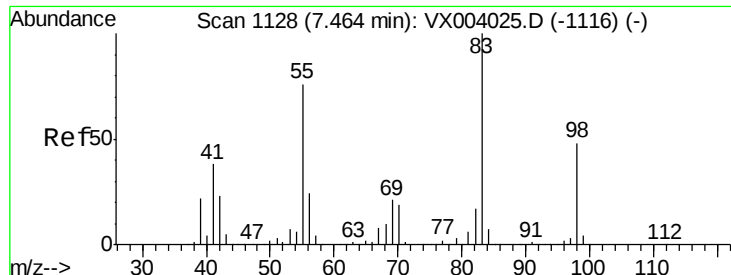
MMDadoda
8/16/2018 4:39:06 PM



#38
Carbon Tetrachloride
Concen: 19.24 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	79.5	119.3
121	29.5	25.0	37.4





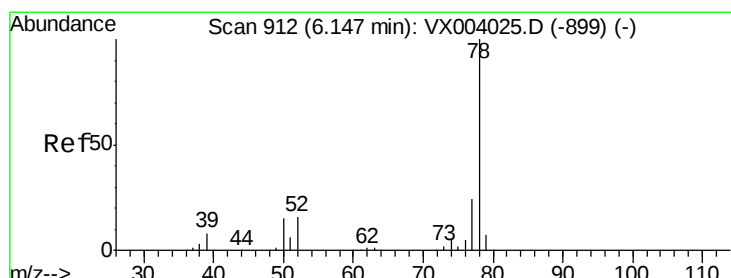
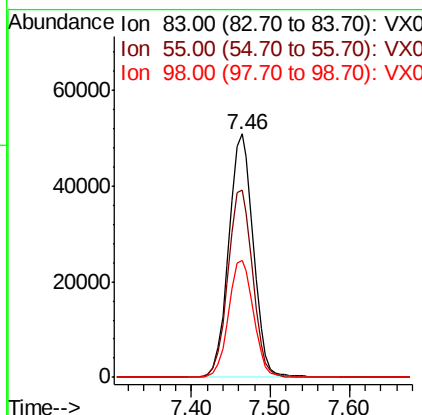
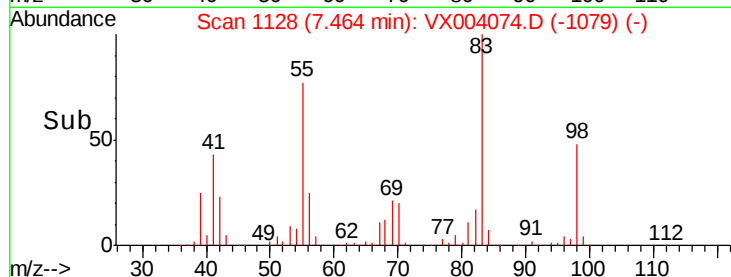
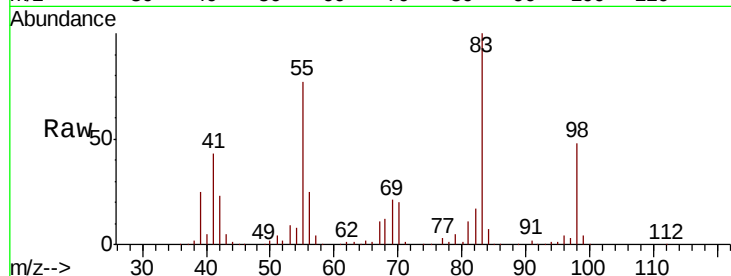
#39
Methvlcvclohexane
Concen: 19.05 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Instrument :
MSVOA_X
ClientSampleId :
VX0815MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.9	61.0	91.6
98	47.8	38.6	57.8

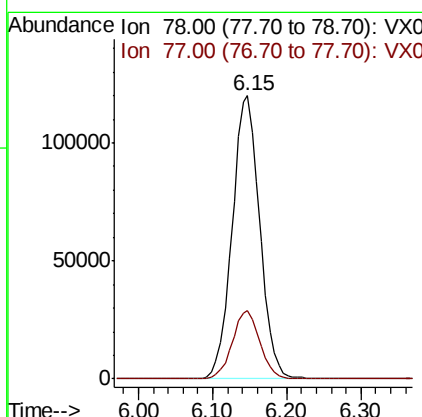
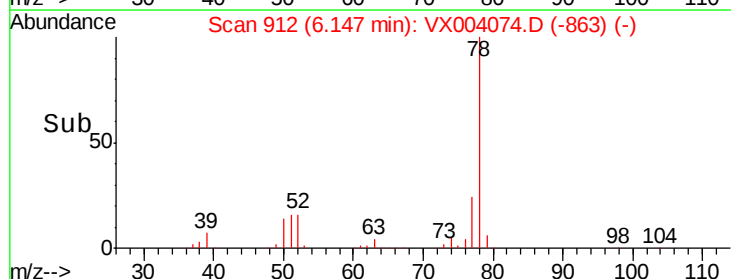
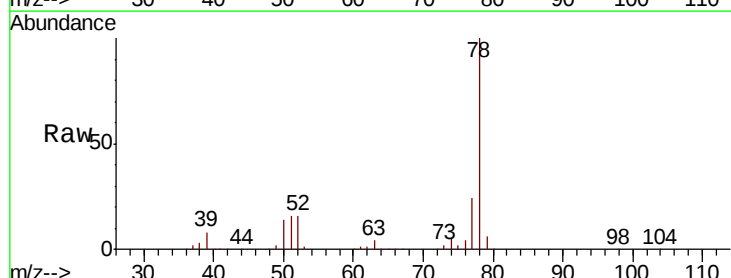
Manual Integrations
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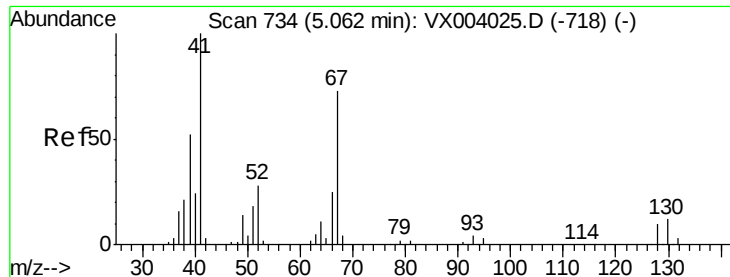
MMDadoda
8/16/2018 4:39:06 PM



#40
Benzene
Concen: 20.23 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.4





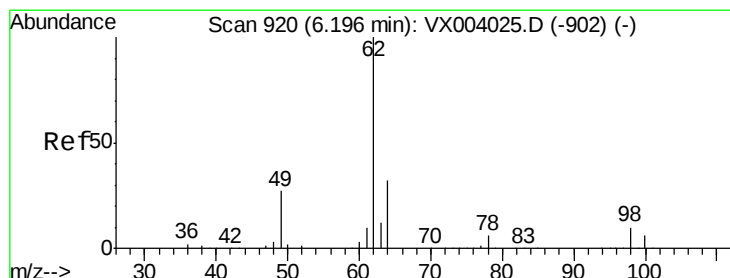
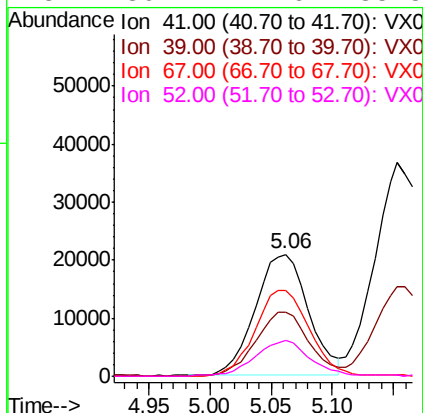
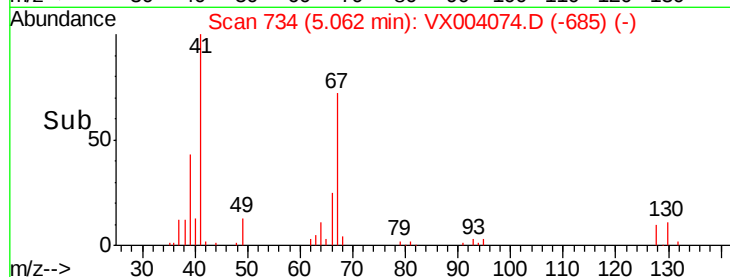
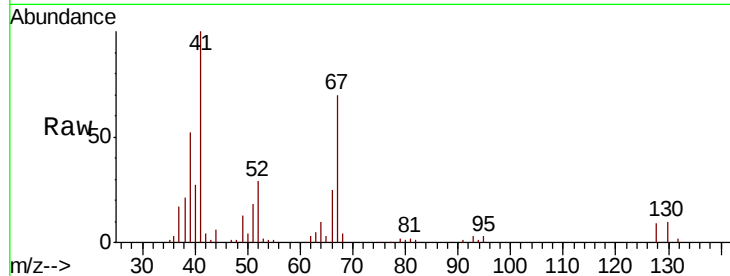
#41
Methacrylonitrile
Concen: 20.28 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.00 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Instrument :
MSVOA_X
ClientSampleId :
VX0815MBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.2	42.7	64.1	
67	72.5	58.9	88.3	
52	30.2	22.6	33.8	

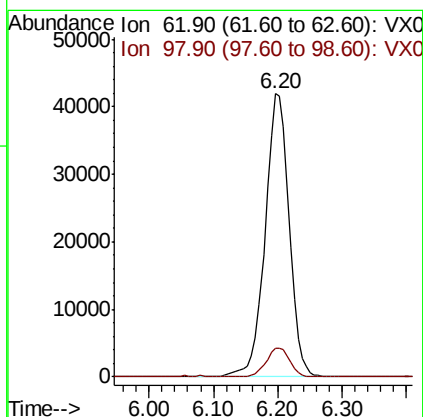
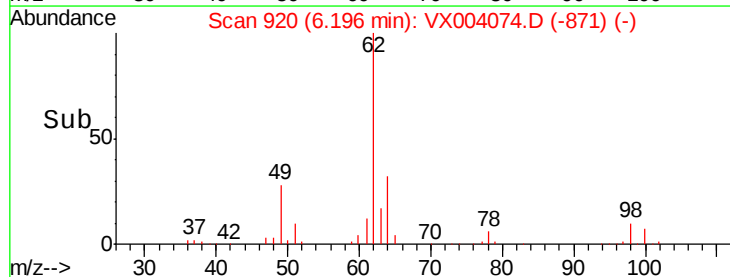
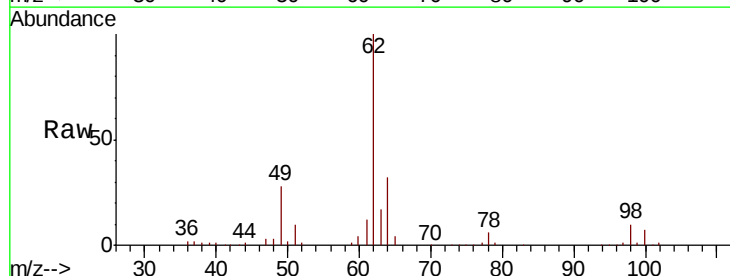
Manual Integrations
APPROVED

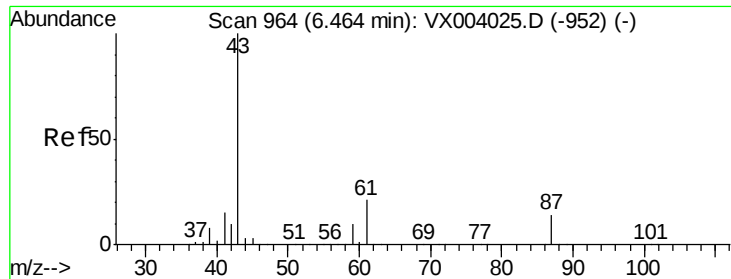
MMDadoda
8/16/2018 4:39:06 PM



#42
1,2-Dichloroethane
Concen: 20.33 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	20.4	





#43

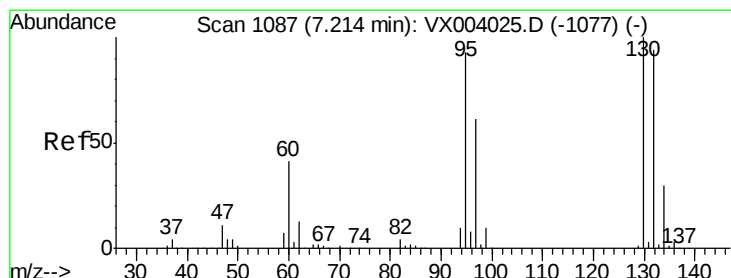
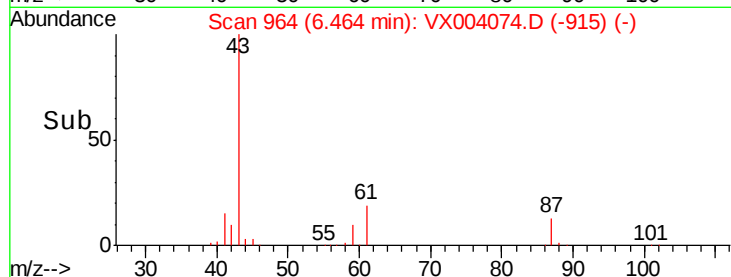
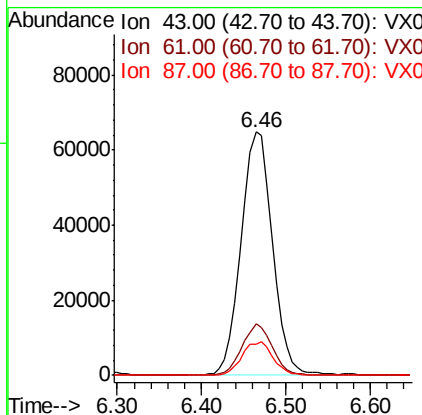
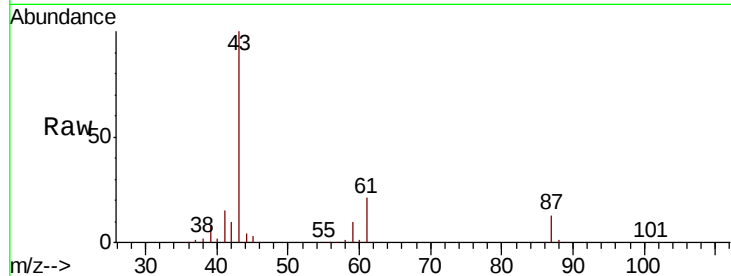
Isopropyl Acetate
 Concen: 19.86 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004074.D
 Acq: 15 Aug 2018 16:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.9	25.3
87	13.8	11.3	16.9

Manual Integrations
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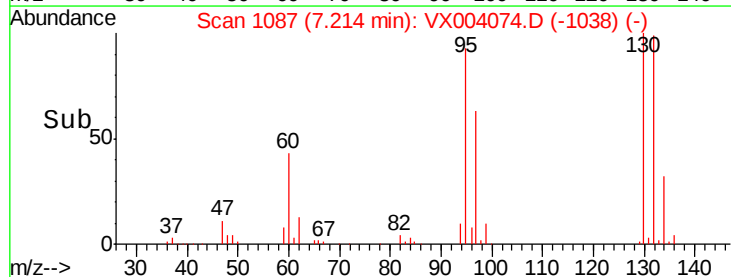
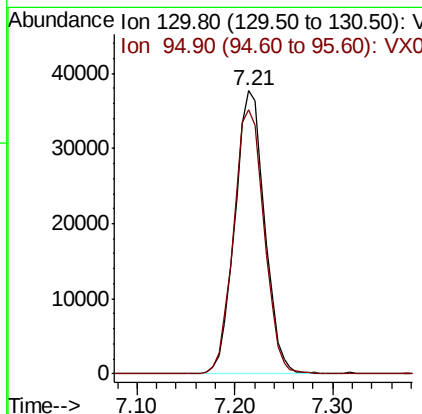
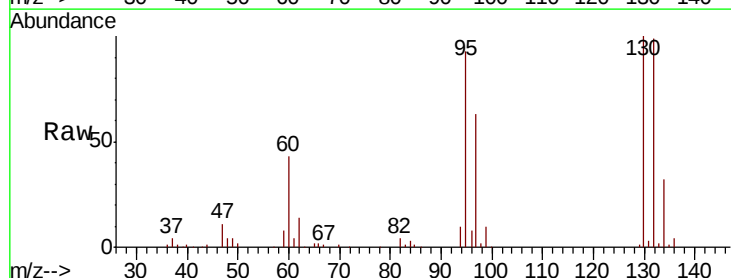
MMDadoda
 8/16/2018 4:39:06 PM

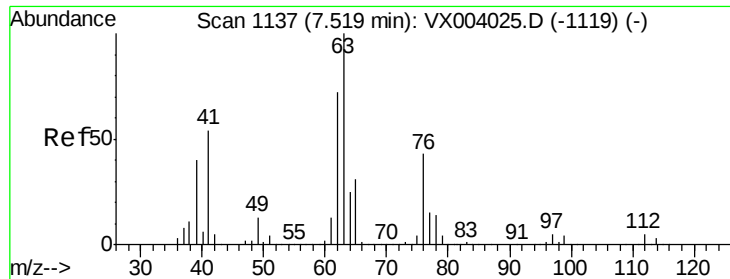


#44

Trichloroethene
 Concen: 19.18 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004074.D
 Acq: 15 Aug 2018 16:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	199.4





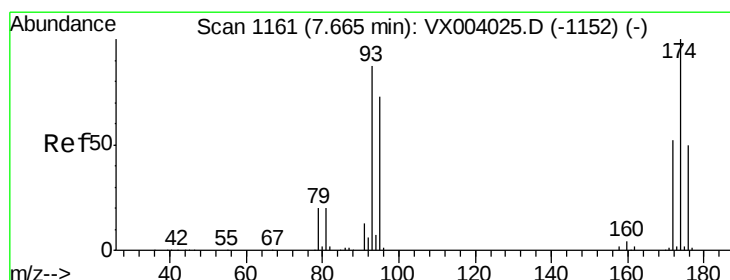
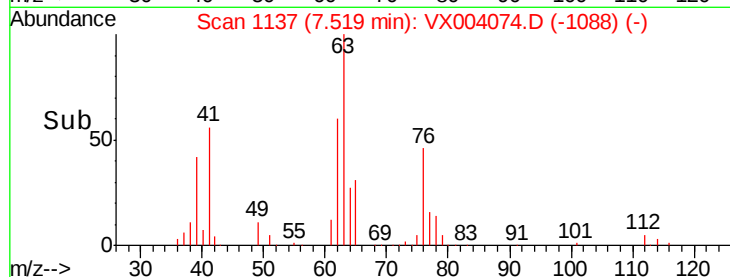
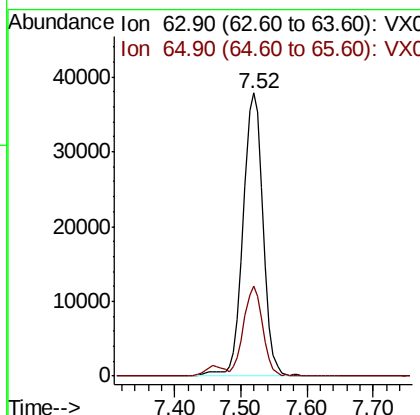
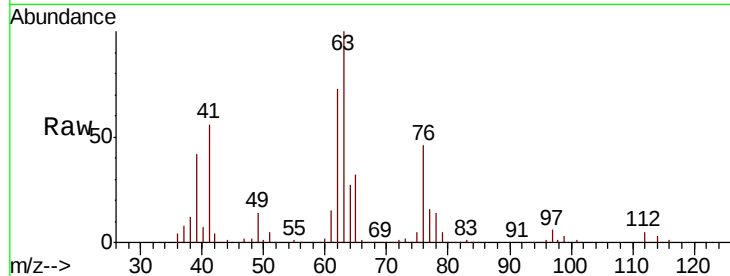
#45
 1,2-Dichloropropane
 Concen: 20.20 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004074.D
 Acq: 15 Aug 2018 16:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815MBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	24.6	36.8

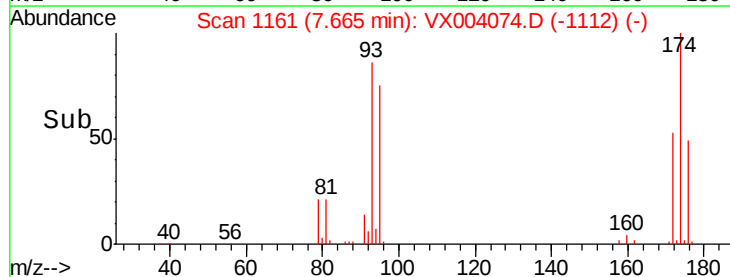
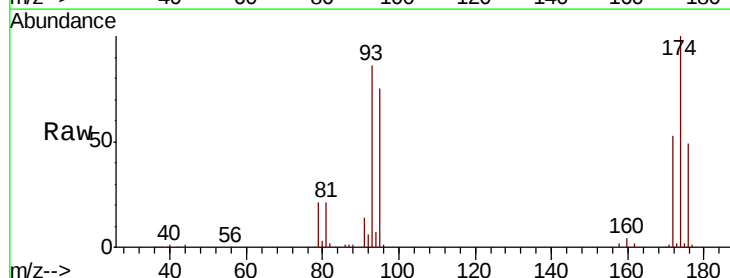
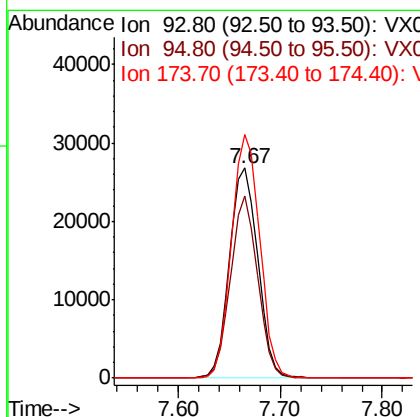
Manual Integrations
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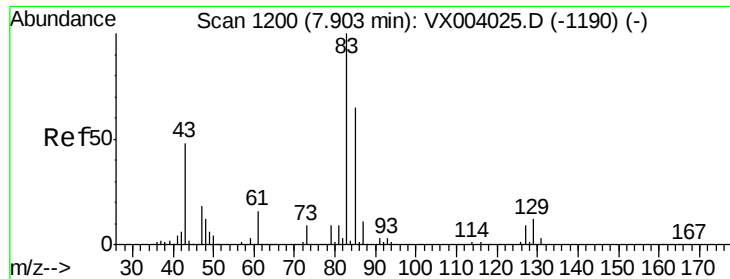
MMDadoda
 8/16/2018 4:39:06 PM



#46
 Dibromomethane
 Concen: 20.02 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX004074.D
 Acq: 15 Aug 2018 16:01

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.4	99.6
174	115.8	94.3	141.5





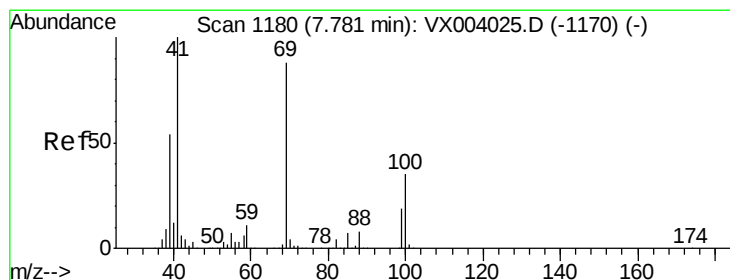
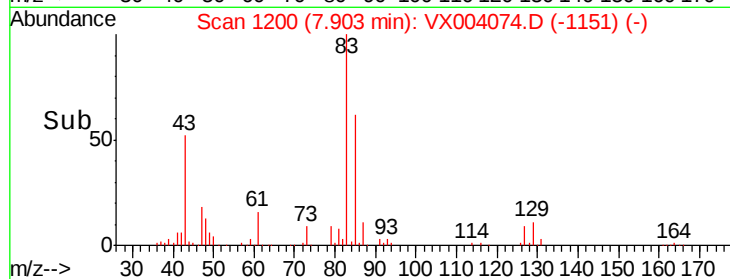
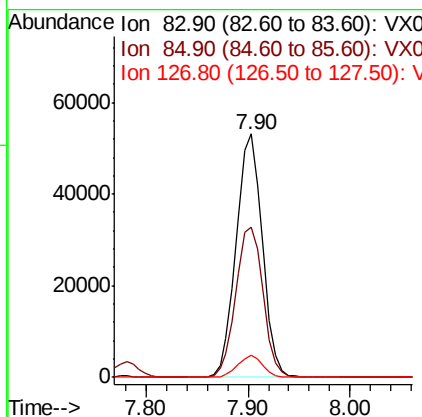
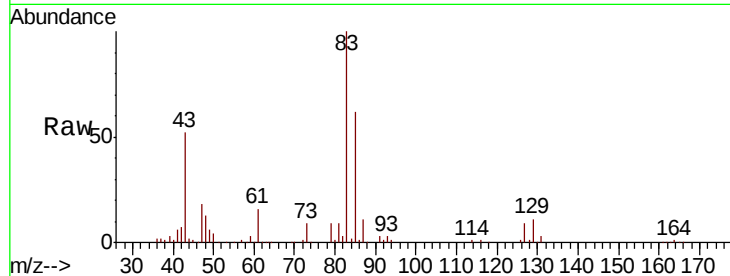
#47
 Bromodichloromethane
 Concen: 19.38 ug/l
 RT: 7.90 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VX004074.D
 Acq: 15 Aug 2018 16:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.6	51.2	76.8
127	8.8	7.2	10.8

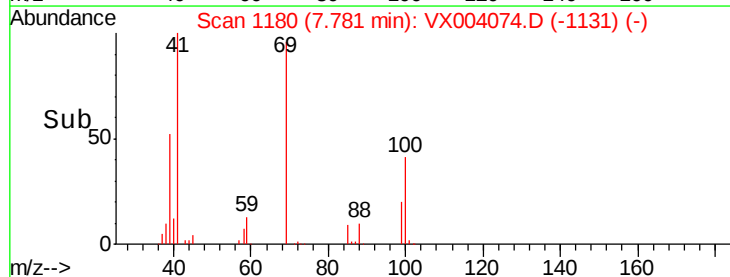
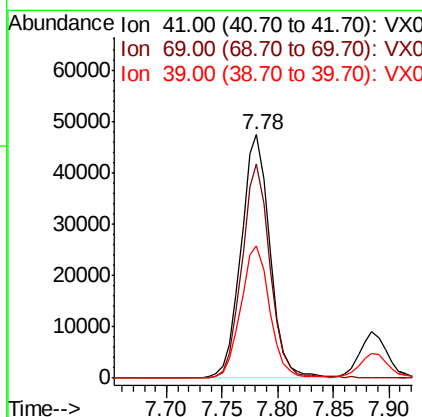
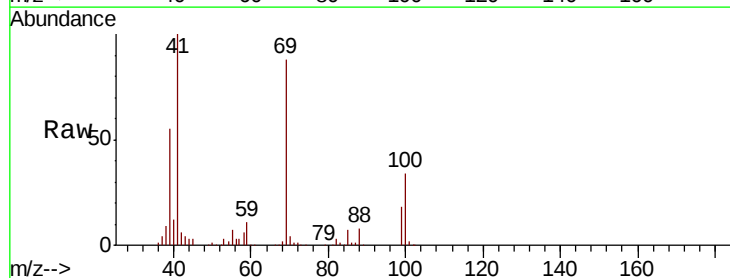
Manual Integrations
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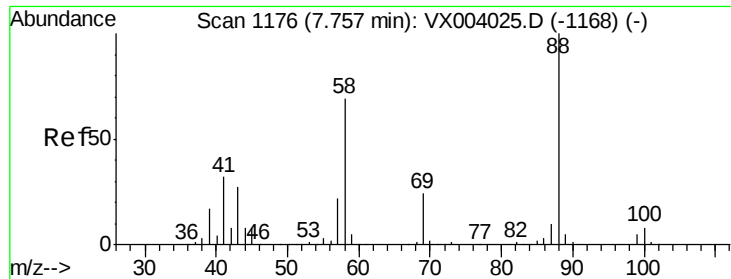
MMDadoda
 8/16/2018 4:39:06 PM



#48
 Methyl methacrylate
 Concen: 20.66 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VX004074.D
 Acq: 15 Aug 2018 16:01

Tgt Ion	Ratio	Lower	Upper
41	100		
69	85.8	68.8	103.2
39	54.1	42.3	63.5





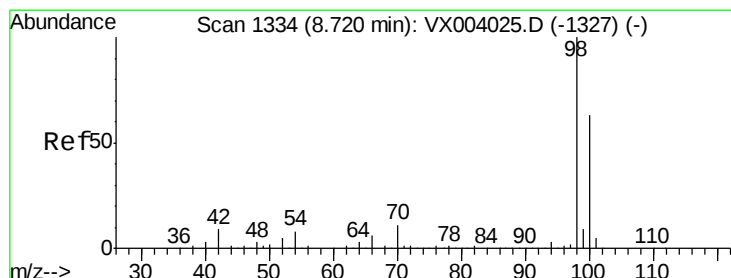
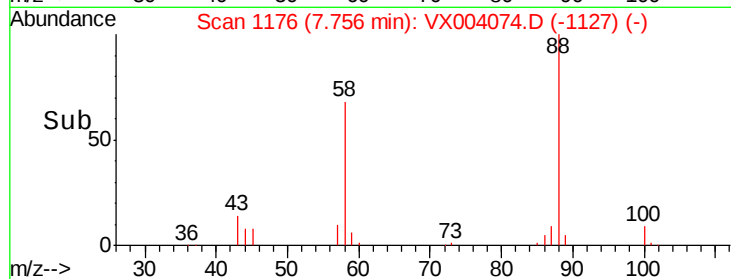
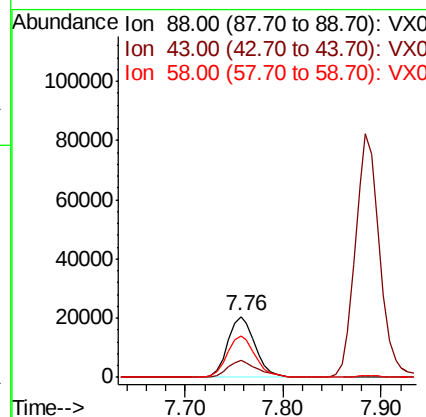
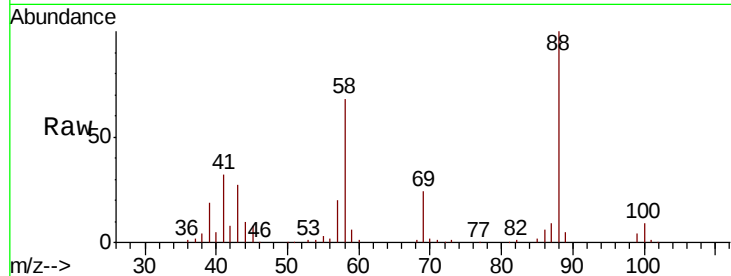
#49
 1,4-Dioxane
 Concen: 426.37 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VX004074.D
 Acq: 15 Aug 2018 16:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.5	23.8	35.8
58	70.4	55.4	83.0

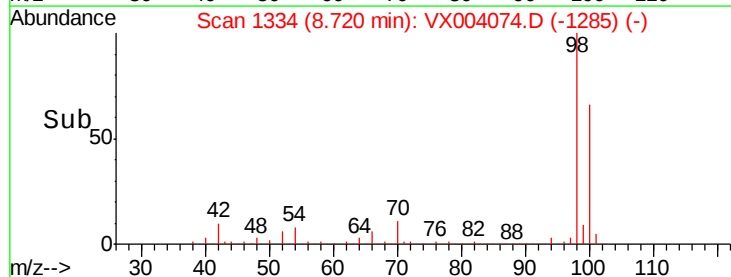
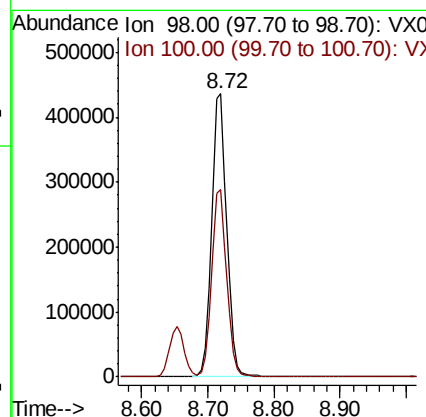
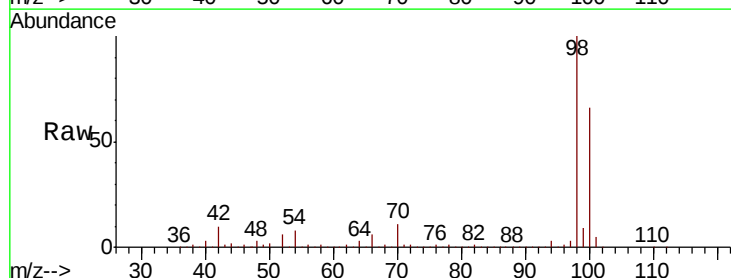
Manual Integrations
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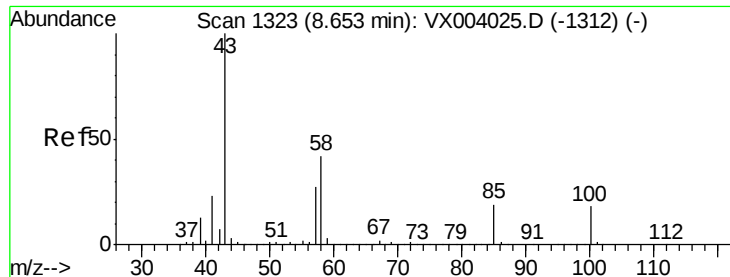
MMDadoda
 8/16/2018 4:39:06 PM



#50
 Toluene-d8
 Concen: 50.67 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VX004074.D
 Acq: 15 Aug 2018 16:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 107.52 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004074.D

Acq: 15 Aug 2018 16:01

Instrument :

MSVOA_X

ClientSampleId :

VX0815MBS01

Tot Ion: 43 Resp: 723952

Ion Ratio Lower Upper

43 100

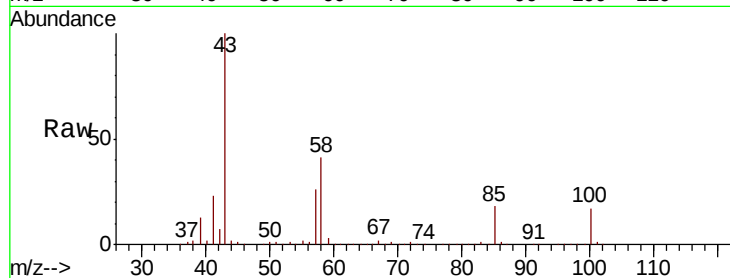
58 40.3 33.0 49.6

Manual Integrations

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MMDadoda

8/16/2018 4:39:06 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

400000

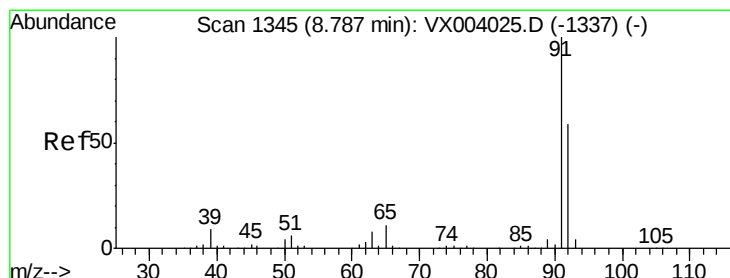
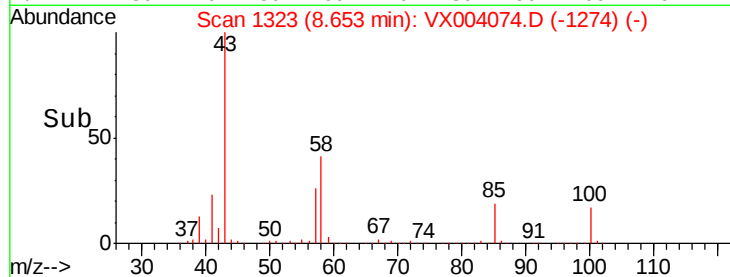
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.46 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004074.D

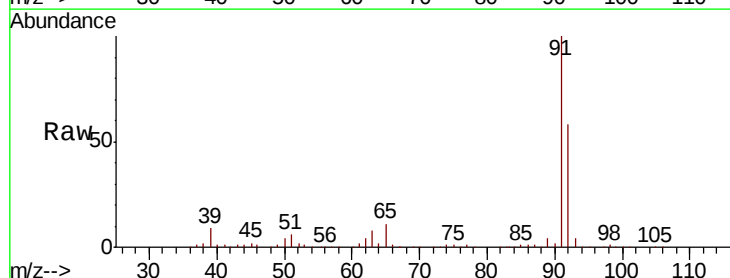
Acq: 15 Aug 2018 16:01

Tgt Ion: 92 Resp: 198779

Ion Ratio Lower Upper

92 100

91 171.1 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

250000

200000

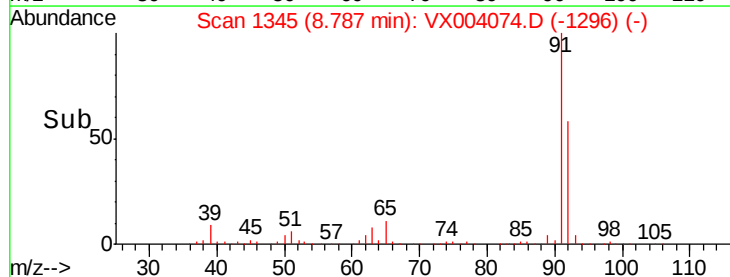
150000

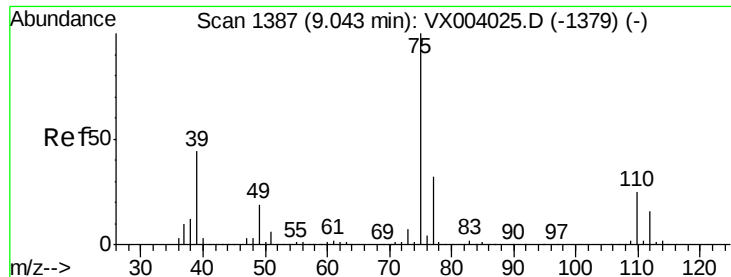
100000

50000

0

Time-->





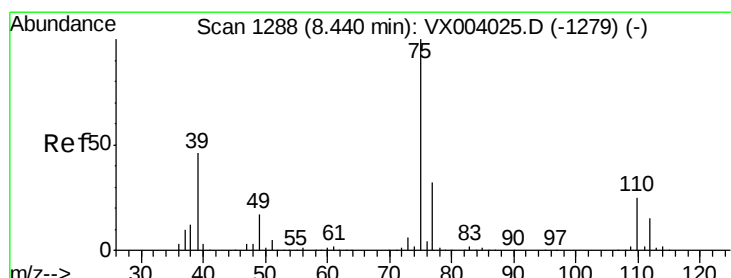
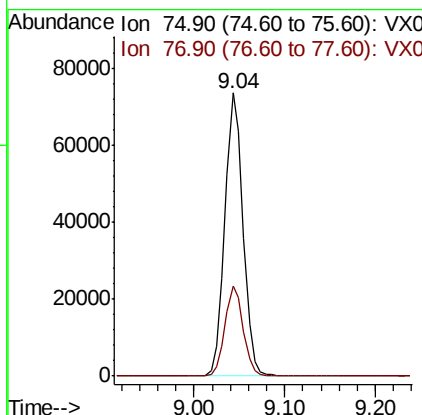
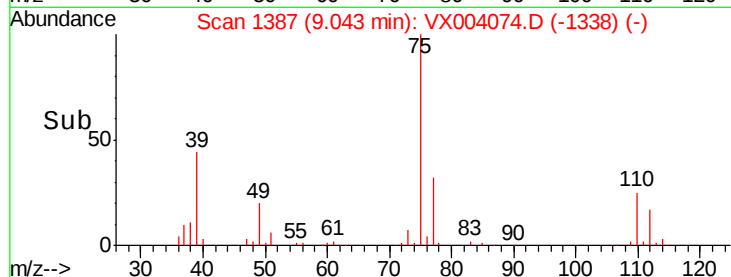
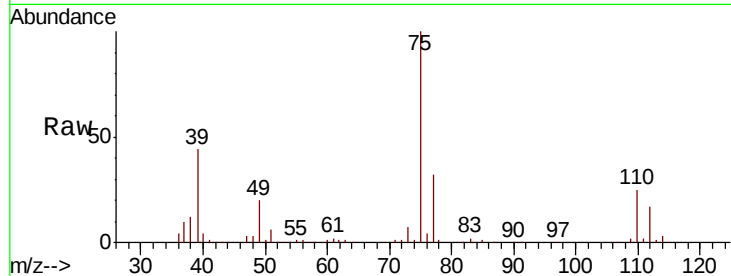
#53
t-1,3-Dichloropropene
Concen: 19.55 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Instrument :
MSVOA_X
ClientSampleId :
VX0815MBS01

Tot Ion: 75 Resp: 102815
Ion Ratio Lower Upper
75 100
77 32.1 25.1 37.7

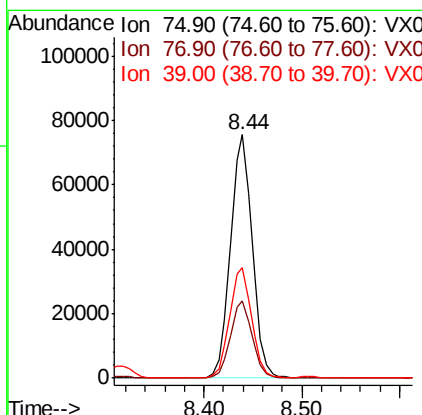
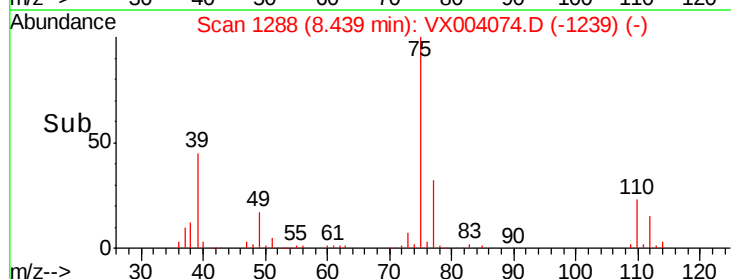
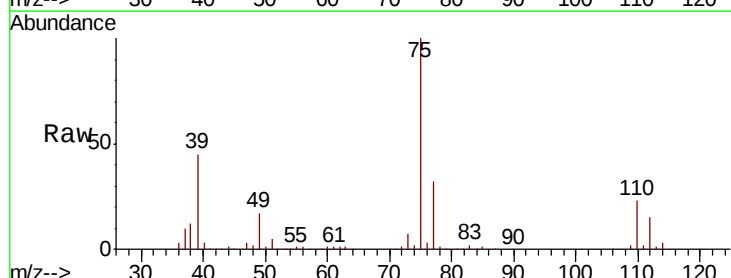
Manual Integrations
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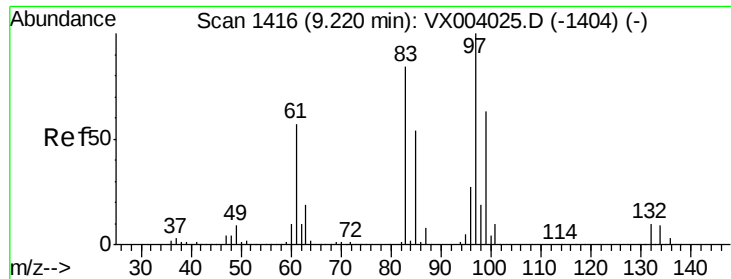
MMDadoda
8/16/2018 4:39:06 PM



#54
cis-1,3-Dichloropropene
Concen: 20.01 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Tgt Ion: 75 Resp: 116521
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9
39 45.2 36.2 54.2





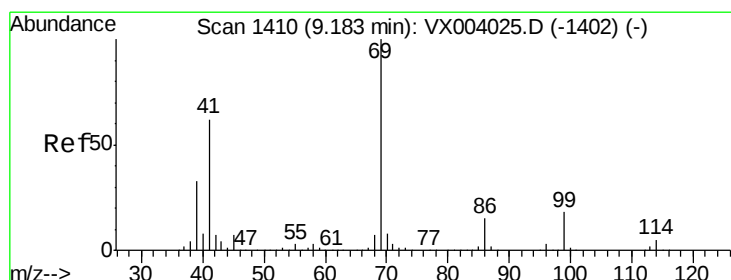
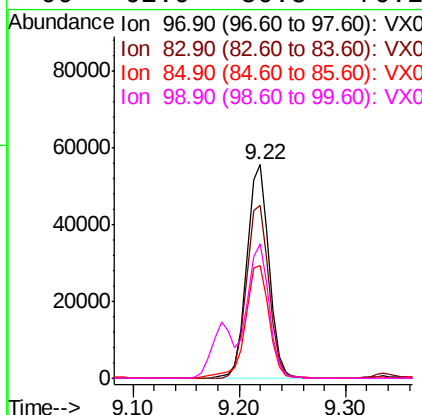
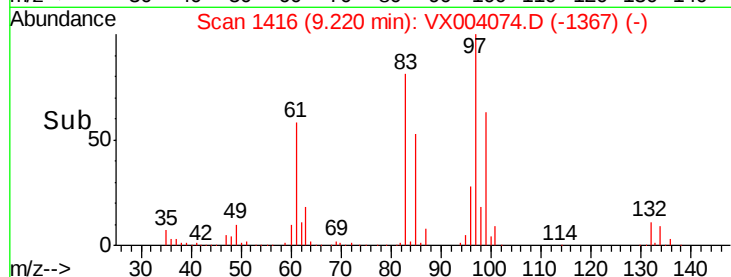
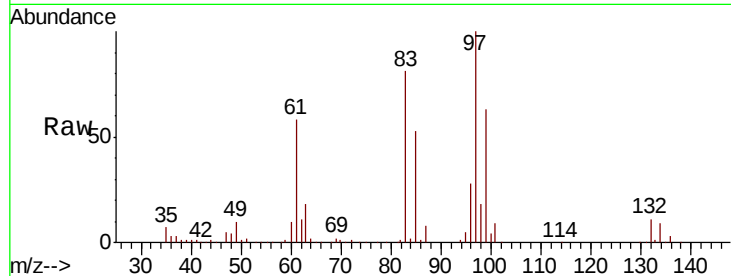
#55
 1,1,2-Trichloroethane
 Concen: 20.27 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX004074.D
 Acq: 15 Aug 2018 16:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815MBS01

Tot Ion:	97	Resp:	81317
Ion	Ratio	Lower	Upper
97	100		
83	81.0	67.8	101.6
85	52.7	44.2	66.2
99	62.9	50.8	76.2

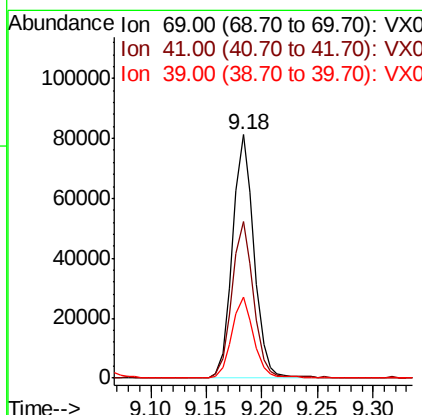
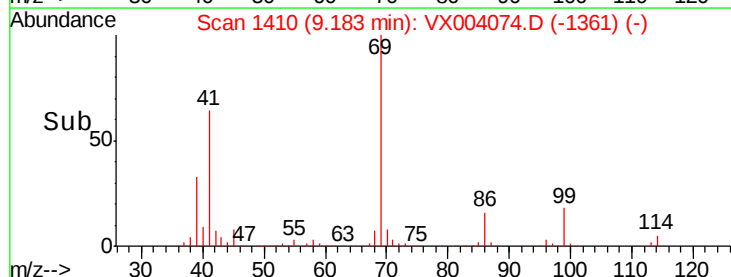
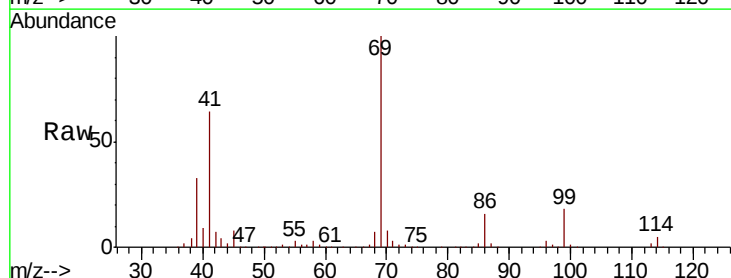
Manual Integrations
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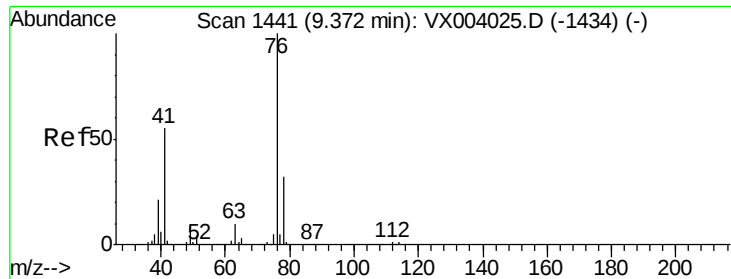
MMDadoda
 8/16/2018 4:39:06 PM



#56
 Ethyl methacrylate
 Concen: 19.96 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004074.D
 Acq: 15 Aug 2018 16:01

Tgt Ion:	69	Resp:	108910
Ion	Ratio	Lower	Upper
69	100		
41	64.4	50.6	76.0
39	33.5	25.8	38.6





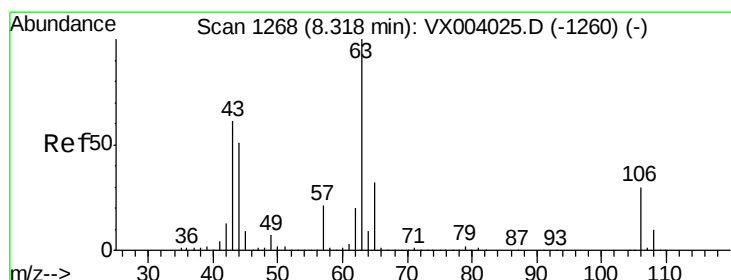
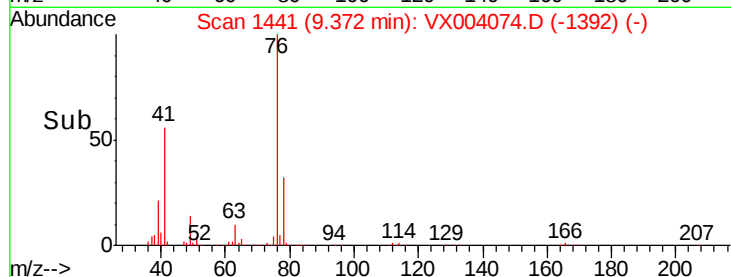
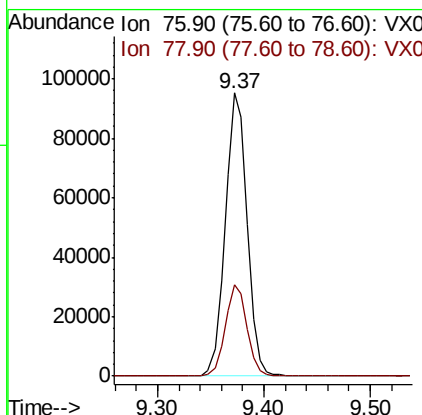
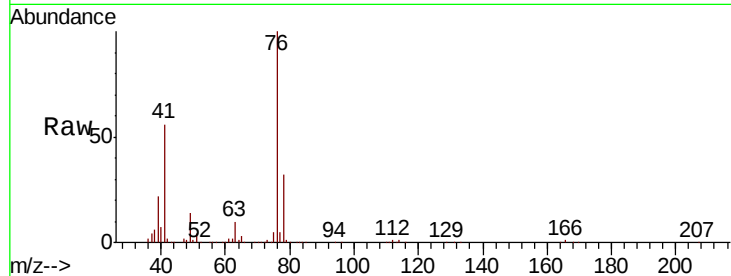
#57
 1,3-Dichloropropane
 Concen: 20.49 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004074.D
 Acq: 15 Aug 2018 16:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.9	38.9

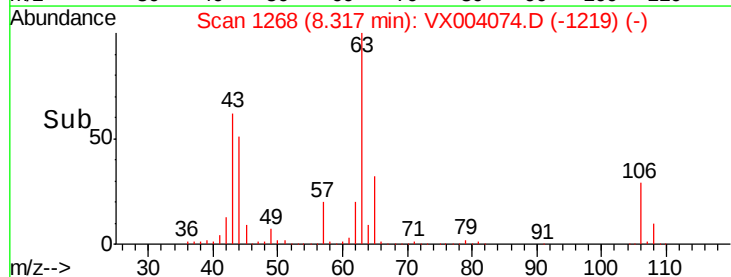
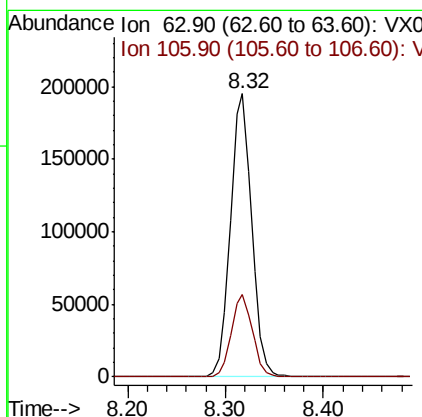
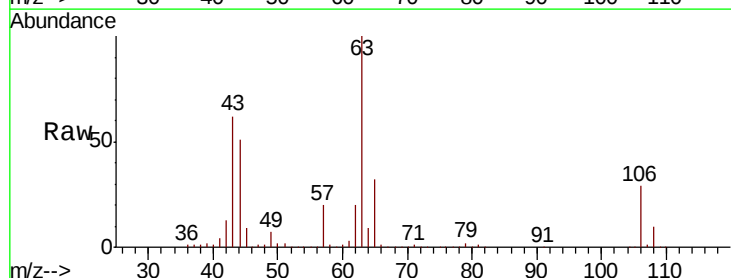
Manual Integrations
 APPROVED

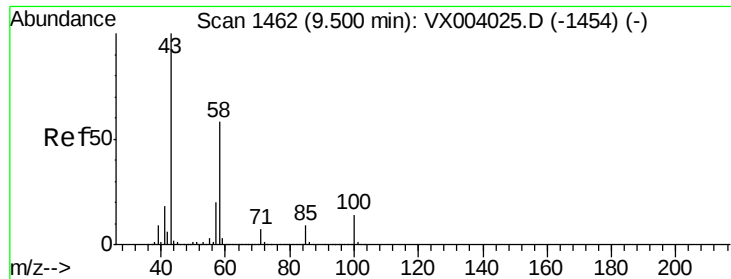
MMDadoda
 8/16/2018 4:39:06 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.48 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX004074.D
 Acq: 15 Aug 2018 16:01

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.0	23.8	35.8





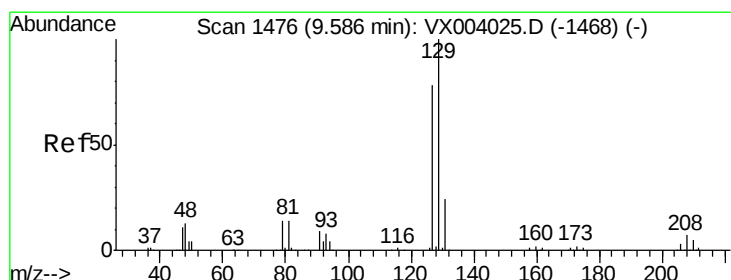
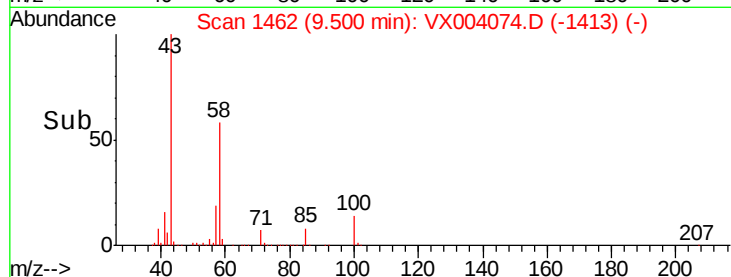
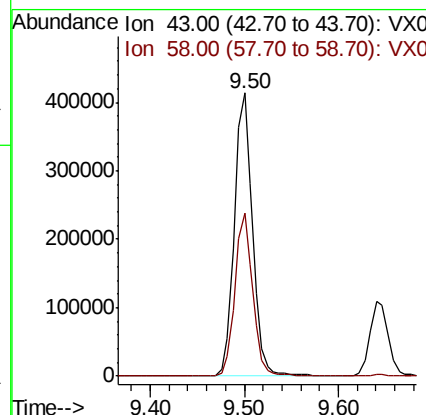
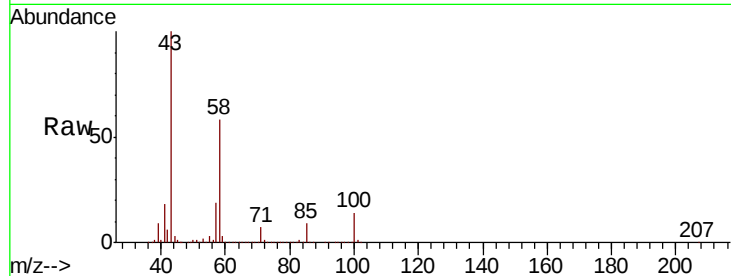
#59
2-Hexanone
Concen: 109.31 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Instrument :
MSVOA_X
ClientSampleId :
VX0815MBS01

Tot Ion: 43 Resp: 553902
Ion Ratio Lower Upper
43 100
58 56.5 29.0 87.0

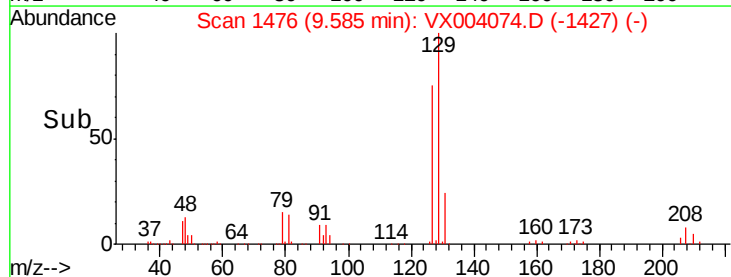
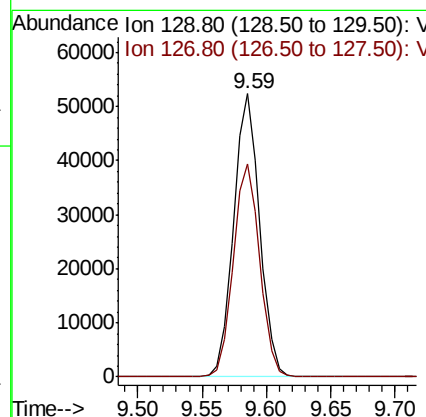
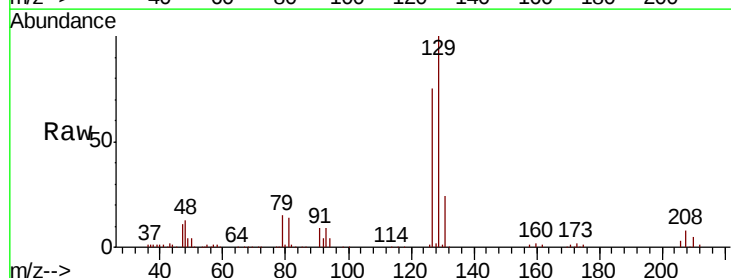
Manual Integrations
APPROVED

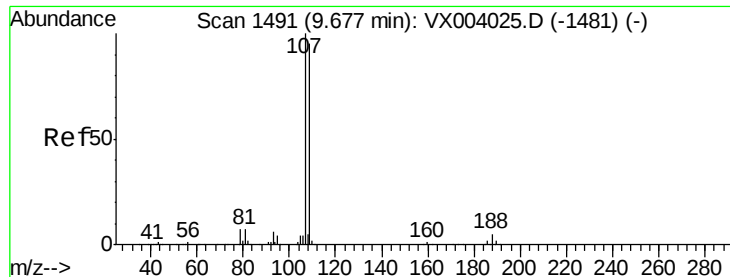
MMDadoda
8/16/2018 4:39:06 PM



#60
Dibromochloromethane
Concen: 19.20 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Tgt Ion: 129 Resp: 74121
Ion Ratio Lower Upper
129 100
127 76.3 38.8 116.3





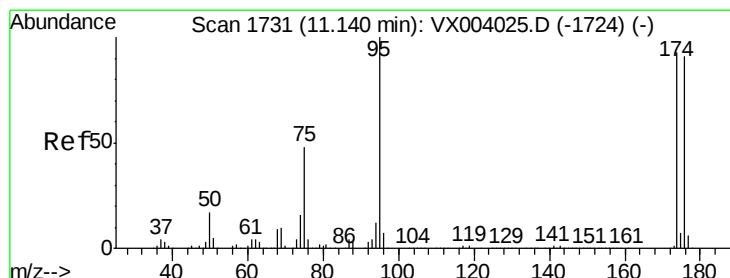
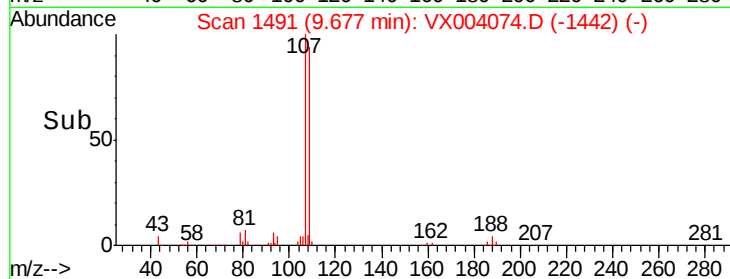
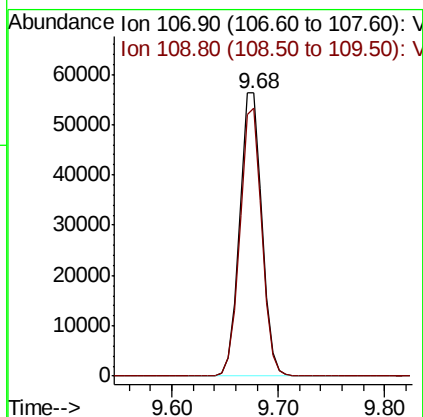
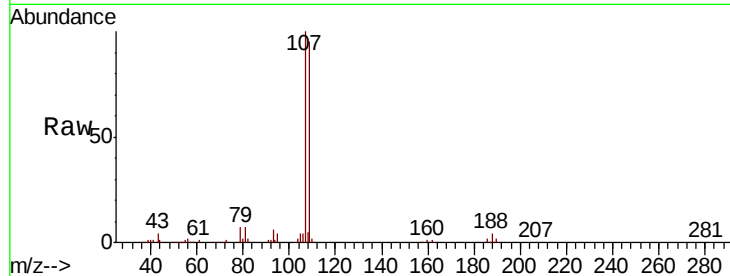
#61
 1,2-Dibromoethane
 Concen: 20.21 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: VX004074.D
 Acq: 15 Aug 2018 16:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.8	113.8

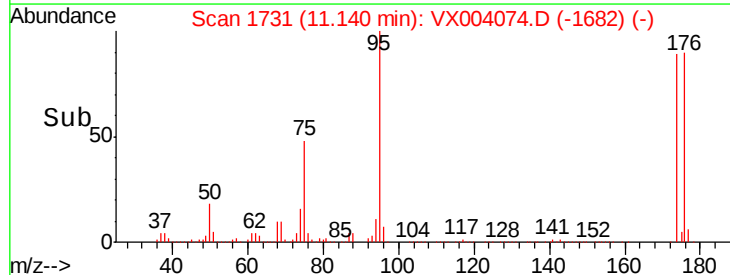
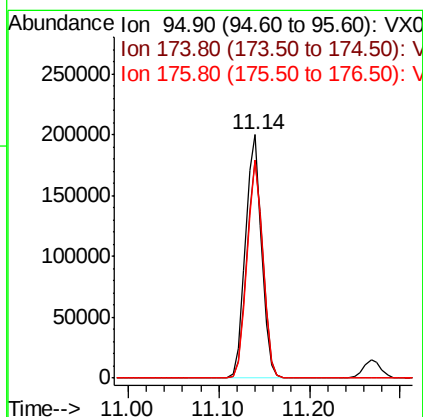
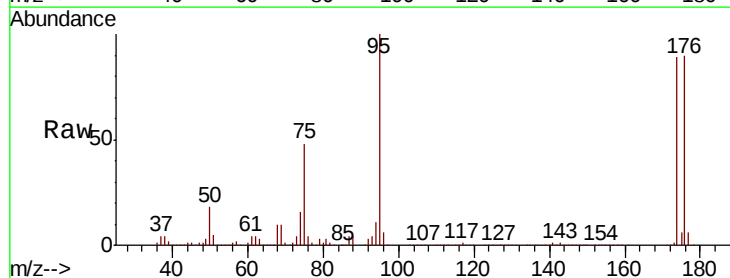
Manual Integrations
 APPROVED

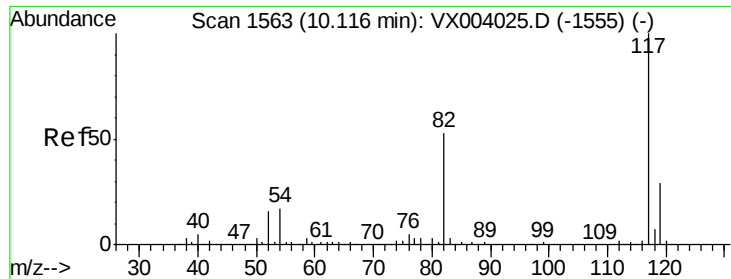
MMDadoda
 8/16/2018 4:39:06 PM



#62
 4-Bromofluorobenzene
 Concen: 49.93 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX004074.D
 Acq: 15 Aug 2018 16:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.9	0.0	182.8
176	87.9	0.0	179.0





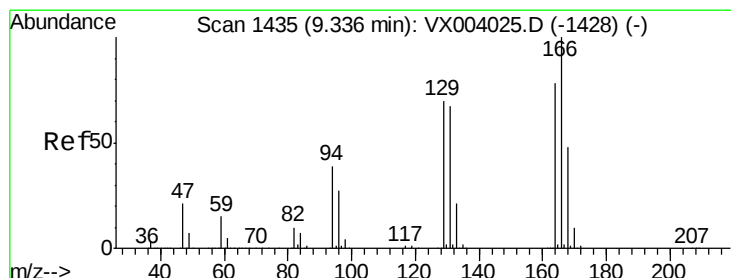
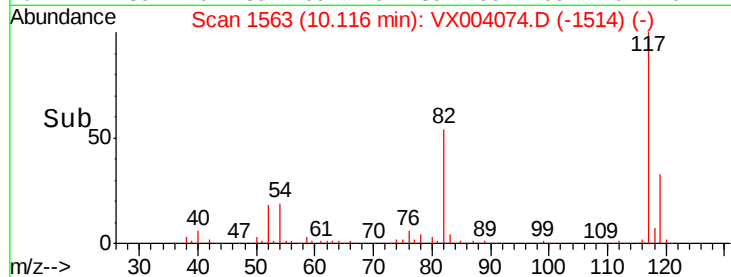
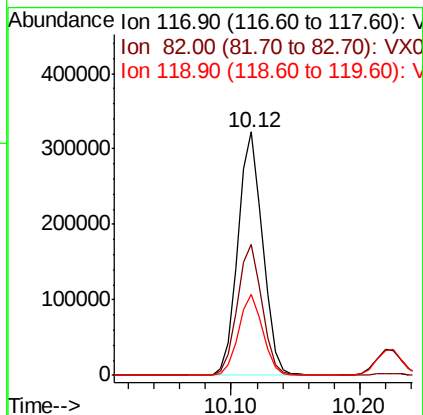
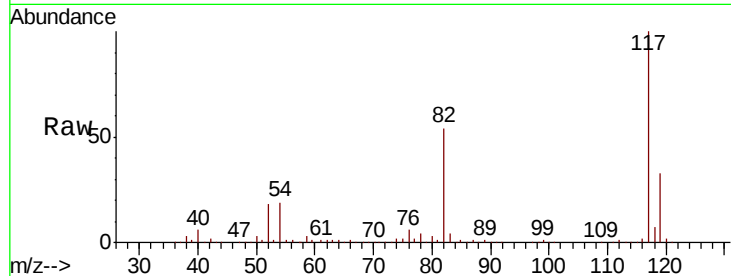
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Instrument :
MSVOA_X
ClientSampleId :
VX0815MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	45.4	68.0
119	33.1	26.6	40.0

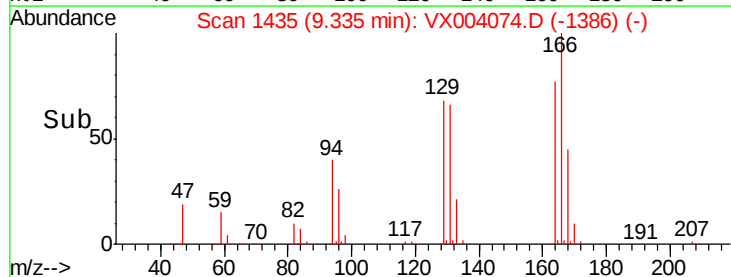
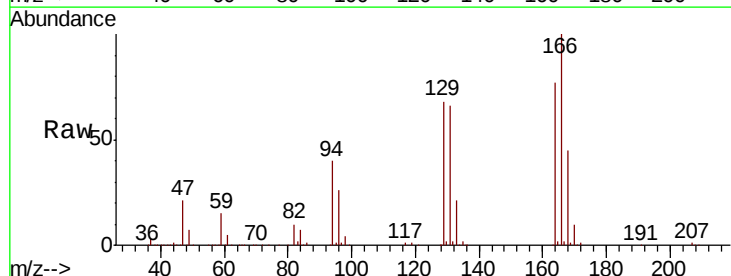
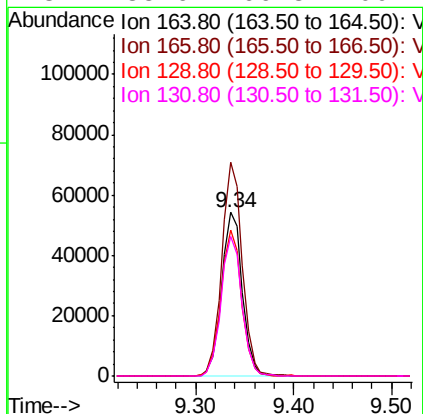
Manual Integrations
APPROVED

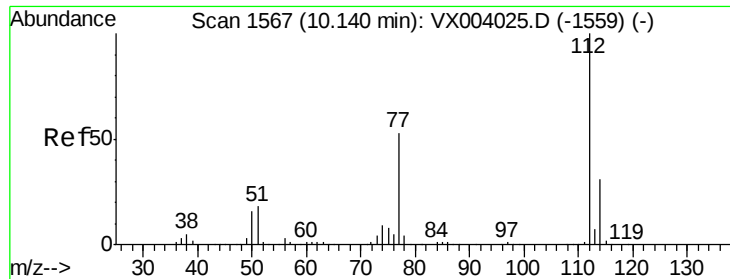
MMDadoda
8/16/2018 4:39:06 PM



#64
Tetrachloroethene
Concen: 19.53 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	98.0	147.0
129	89.3	64.3	96.5
131	85.6	66.8	100.2





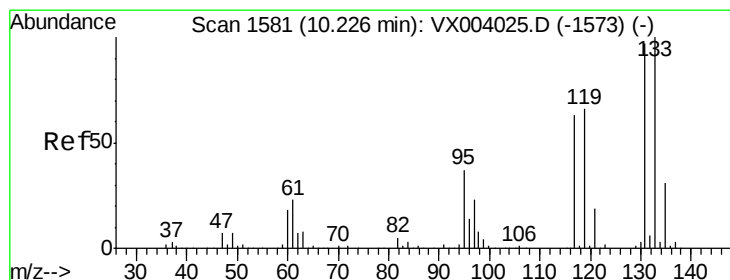
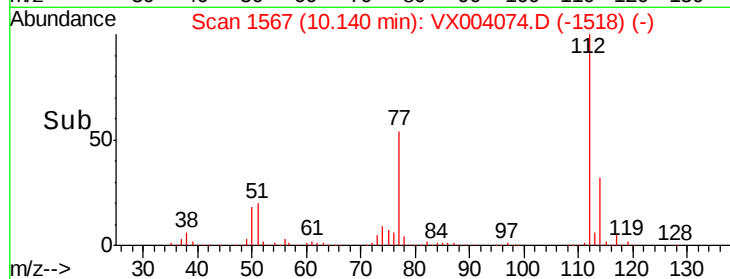
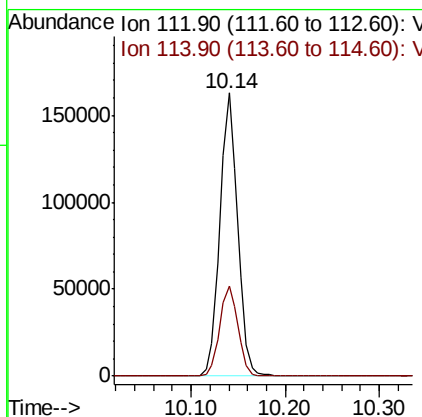
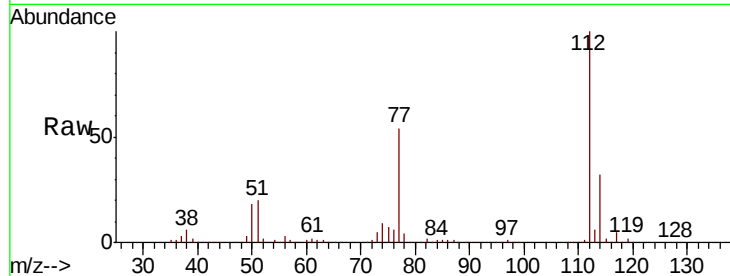
#65
Chlorobenzene
Concen: 19.26 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Instrument :
MSVOA_X
ClientSampleId :
VX0815MBS01

Tot Ion:112 Resp: 213662
Ion Ratio Lower Upper
112 100
114 31.8 23.6 35.4

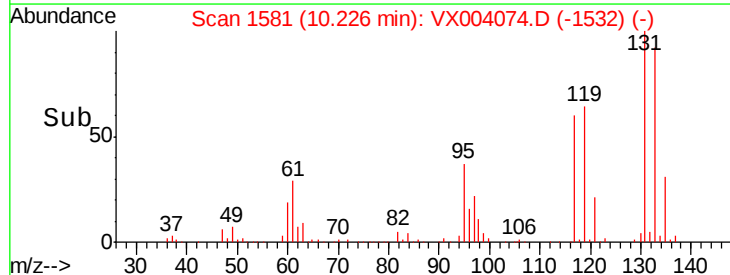
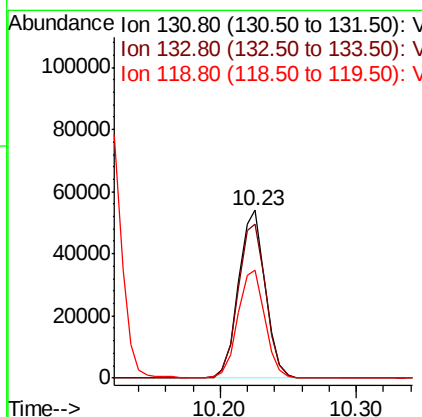
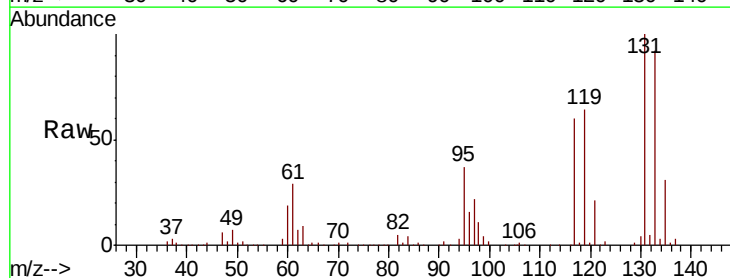
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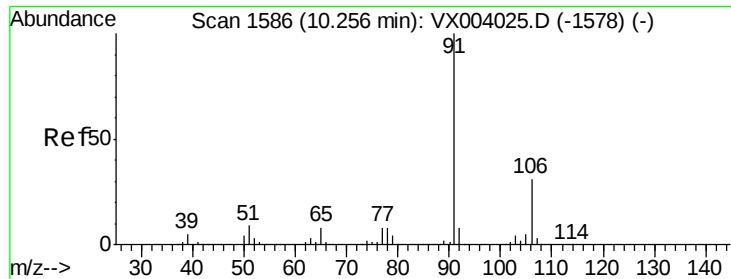
MMDadoda
8/16/2018 4:39:06 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.44 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Tgt Ion:131 Resp: 73571
Ion Ratio Lower Upper
131 100
133 95.5 47.3 141.8
119 65.5 31.6 94.8





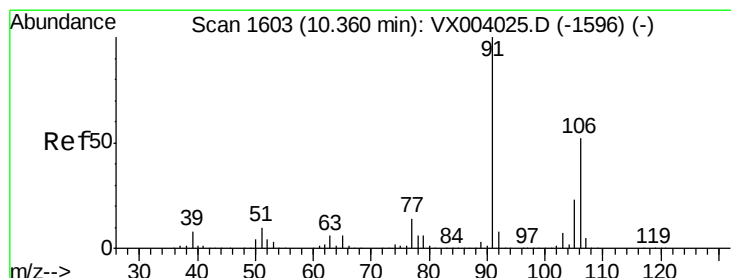
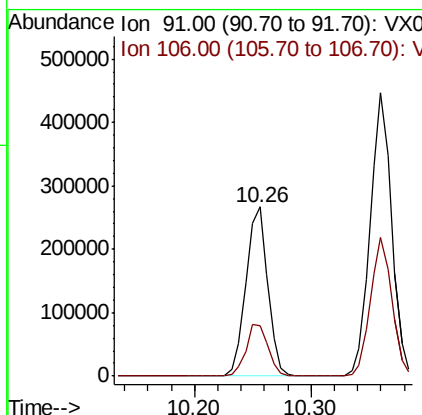
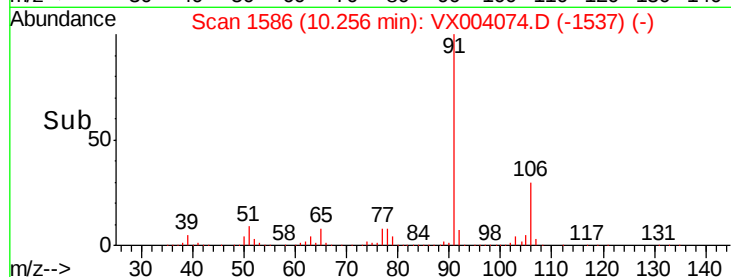
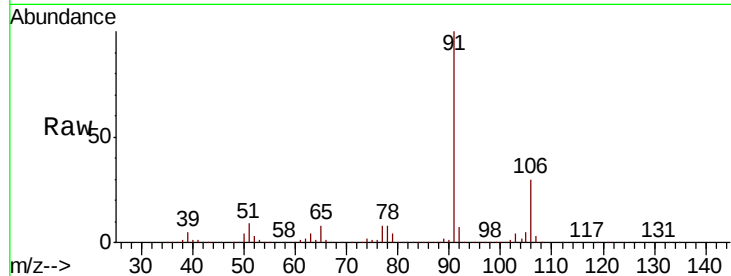
#67
Ethyl Benzene
Concen: 20.00 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Instrument :
MSVOA_X
ClientSampleId :
VX0815MBS01

Tot Ion: 91 Resp: 351341
Ion Ratio Lower Upper
91 100
106 29.8 25.9 38.9

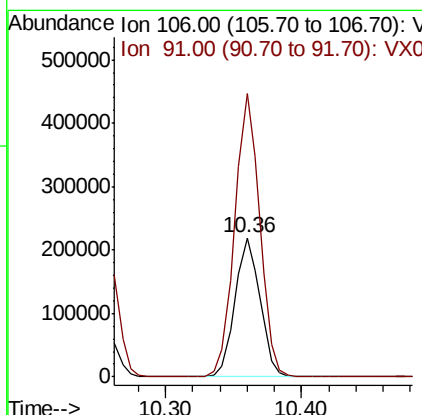
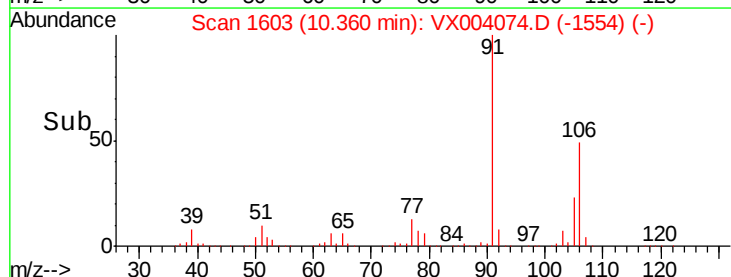
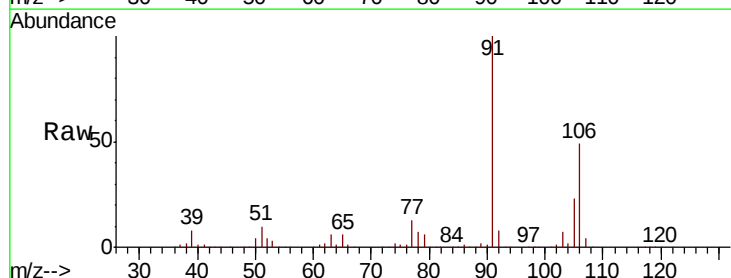
Manual Integrations
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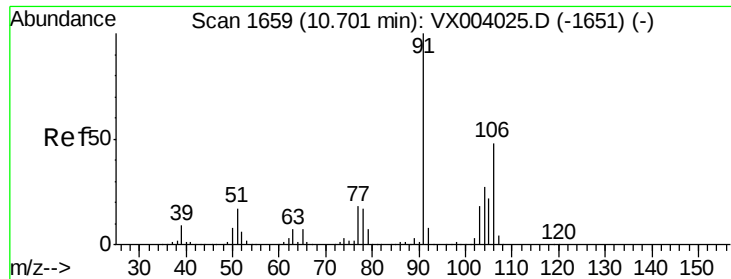
MMDadoda
8/16/2018 4:39:06 PM



#68
m/p-Xylenes
Concen: 40.86 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Tgt Ion: 106 Resp: 281145
Ion Ratio Lower Upper
106 100
91 203.2 162.3 243.5





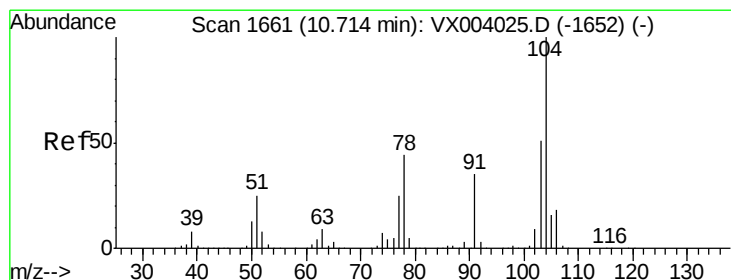
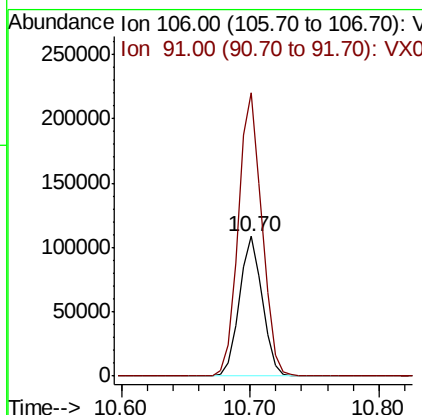
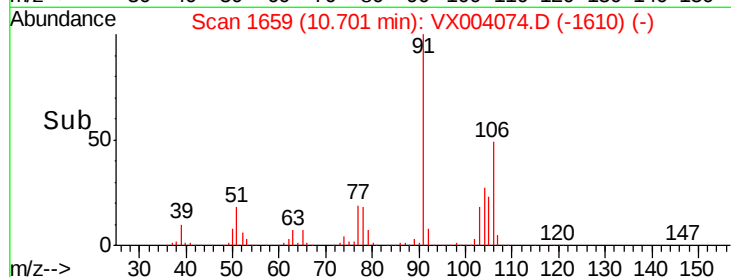
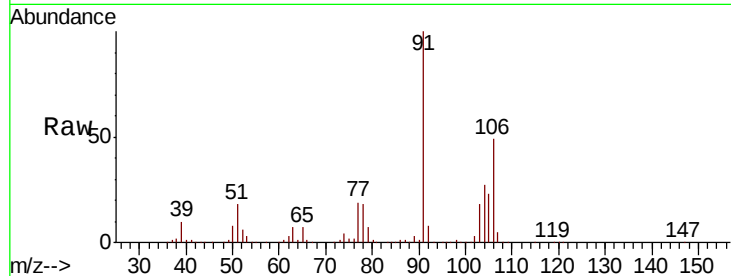
#69
o-Xylene
Concen: 20.50 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Instrument :
MSVOA_X
ClientSampleId :
VX0815MBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	206.7	101.9	305.7	

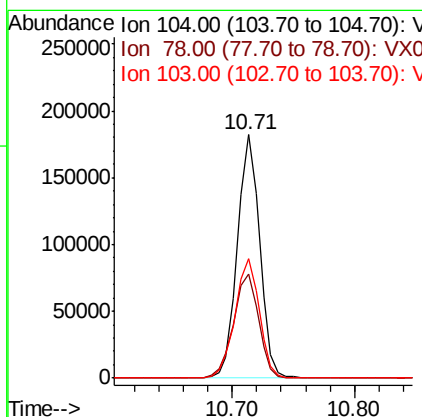
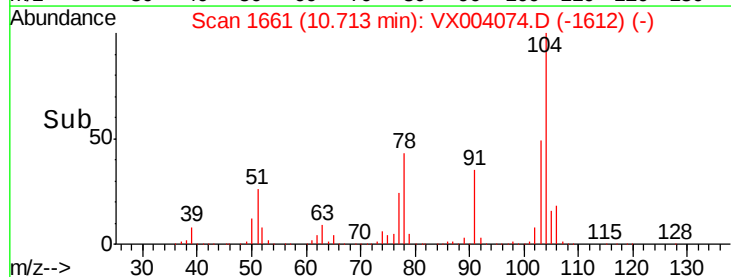
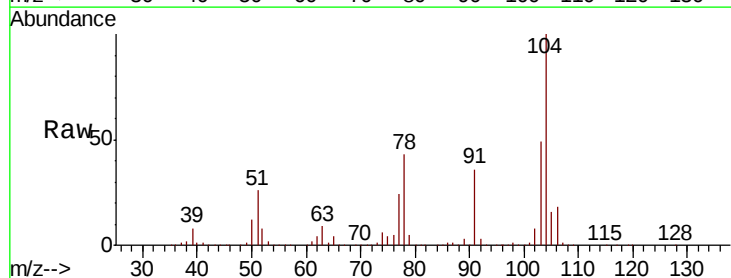
Manual Integrations
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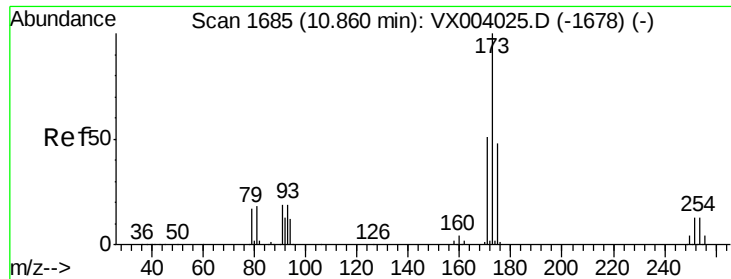
MMDadoda
8/16/2018 4:39:06 PM



#70
Styrene
Concen: 20.64 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.9	39.8	59.6	
103	54.0	44.3	66.5	





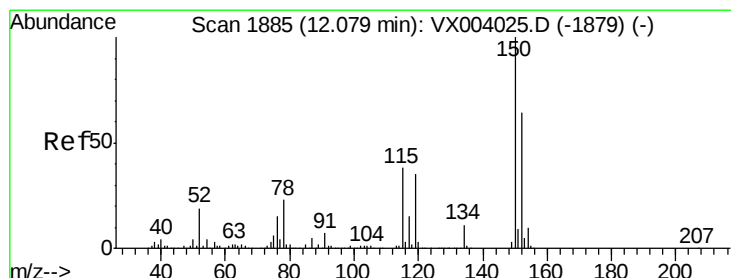
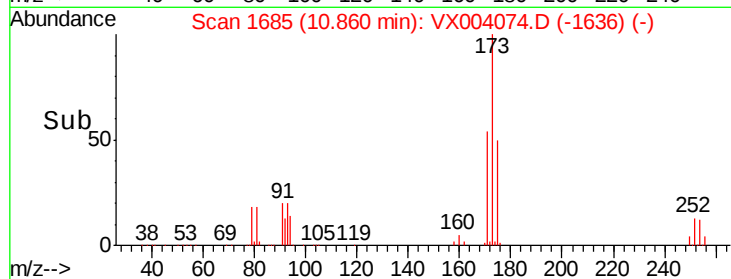
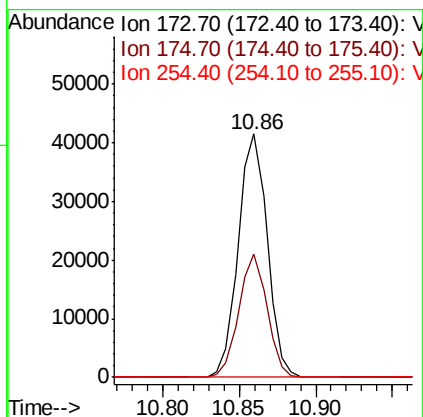
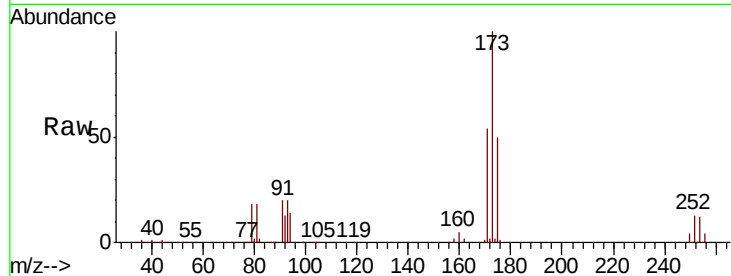
#71
Bromoform
Concen: 18.20 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Instrument :
MSVOA_X
ClientSampleId :
VX0815MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.9	74.7
254	0.2	0.2	0.2

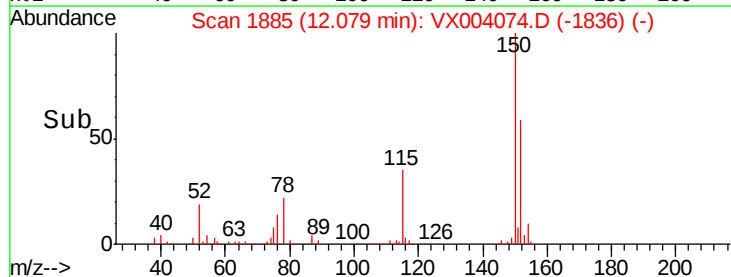
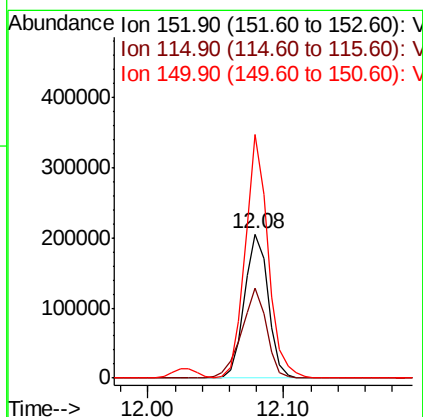
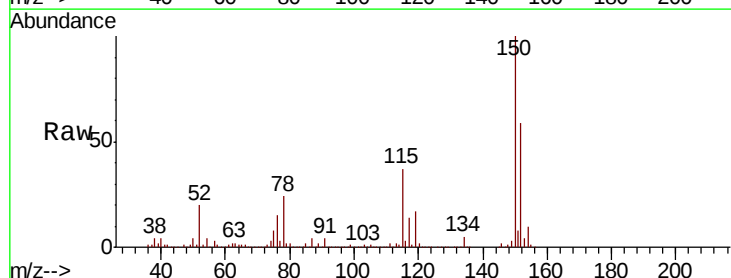
Manual Integrations
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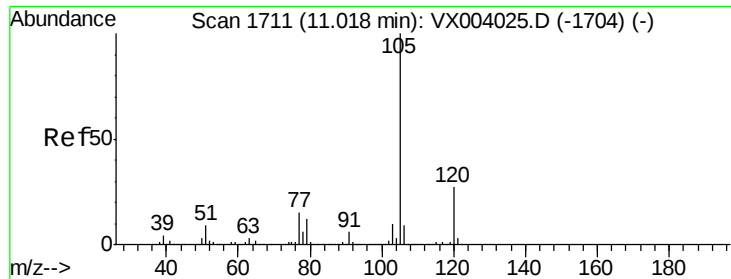
MMDadoda
8/16/2018 4:39:06 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.3	39.1	117.3
150	161.8	0.0	349.2





#73

Isopropylbenzene

Concen: 21.59 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004074.D

Acq: 15 Aug 2018 16:01

Instrument :

MSVOA_X

ClientSampleId :

VX0815MBS01

Tot Ion:105 Resp: 365844

Ion Ratio Lower Upper

105 100

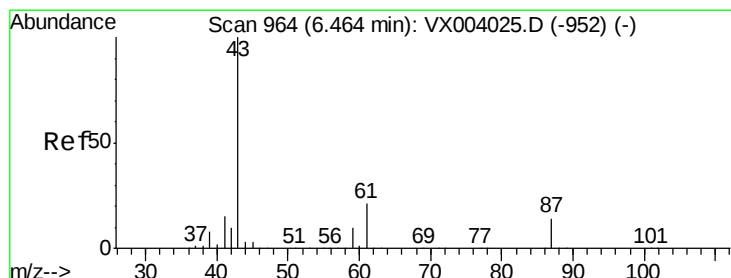
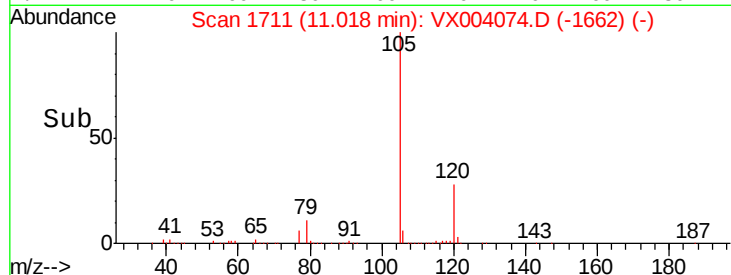
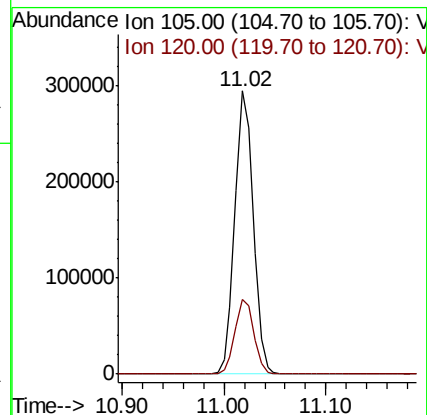
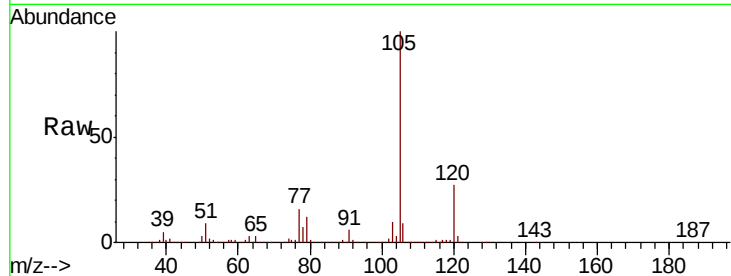
120 26.9 12.6 37.8

Manual Integrations

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8/16/2018 4:39:06 PM



#74

N-ethyl acetate

Concen: 20.46 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004074.D

Acq: 15 Aug 2018 16:01

Tgt Ion: 43 Resp: 163078

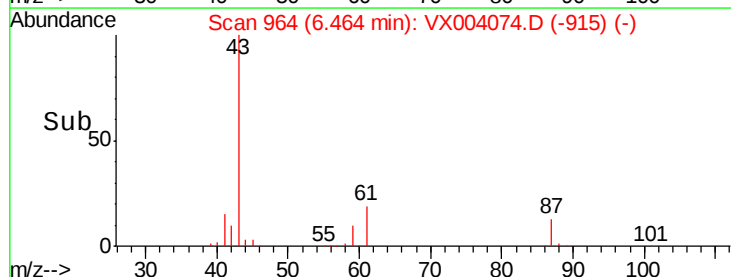
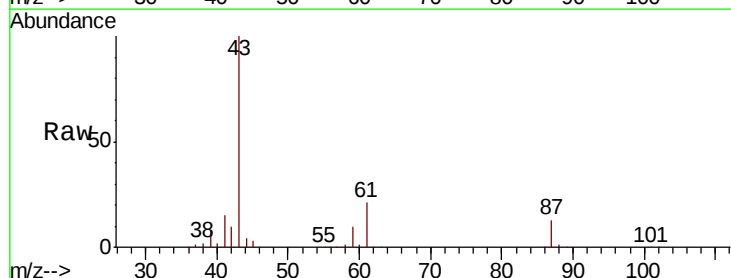
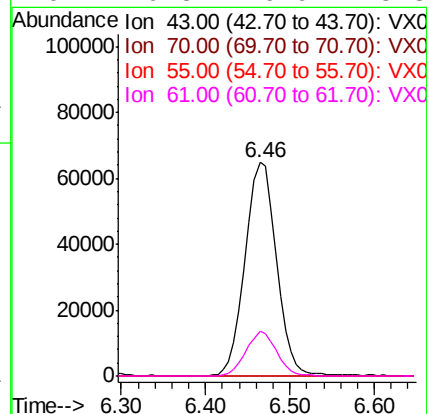
Ion Ratio Lower Upper

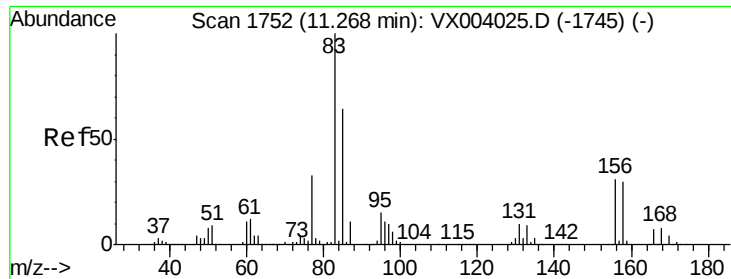
43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1

61 20.3 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.99 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004074.D

Acq: 15 Aug 2018 16:01

Instrument :

MSVOA_X

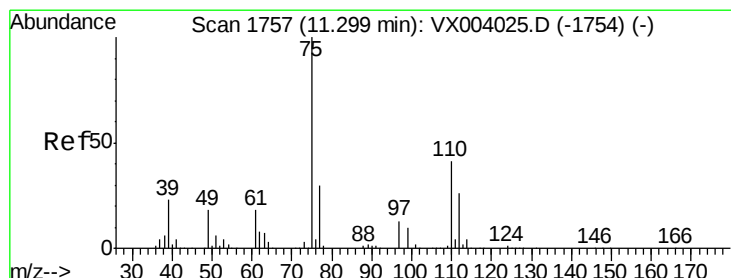
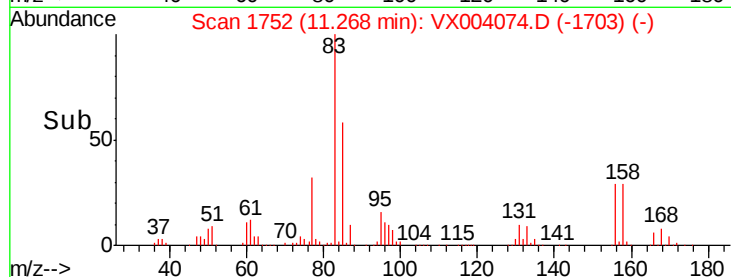
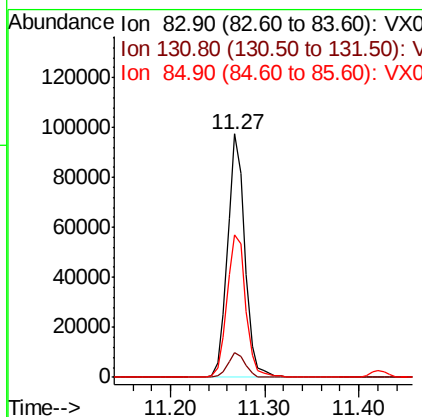
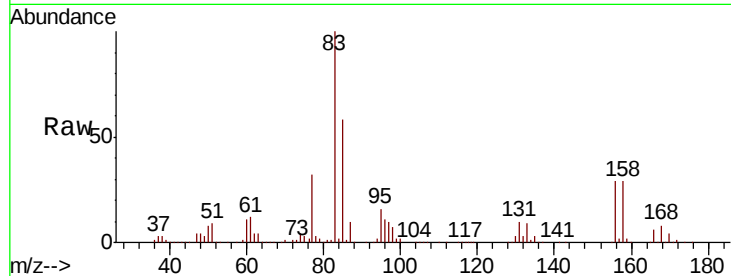
ClientSampleId :

VX0815MBS01

Tot Ion:	83	Resp:	124191
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	62.9	32.2	96.6

Manual Integrations
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8/16/2018 4:39:06 PM



#76

1,2,3-Trichloropropane

Concen: 22.04 ug/l m

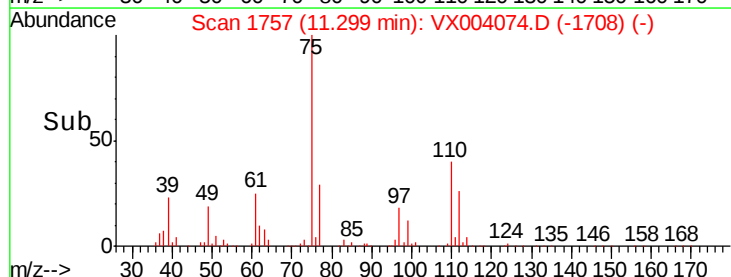
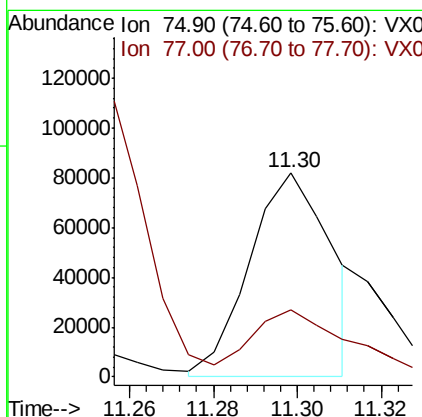
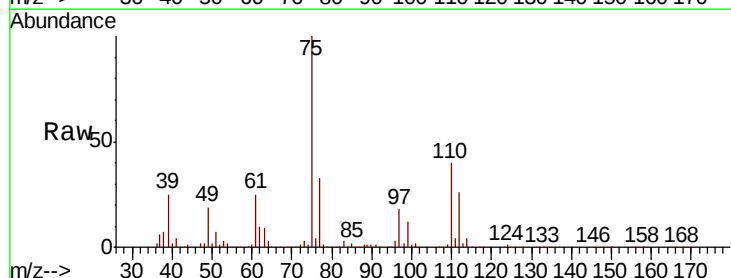
RT: 11.30 min Scan# 1757

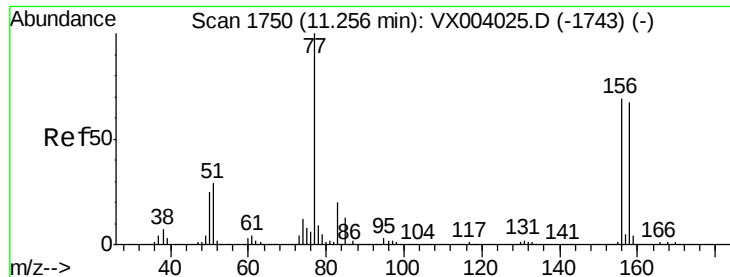
Delta R.T. -0.00 min

Lab File: VX004074.D

Acq: 15 Aug 2018 16:01

Tgt Ion:	75	Resp:	110682
Ion Ratio	Lower	Upper	
75	100		
77	39.6	20.8	62.5





#77

Bromobenzene

Concen: 20.59 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004074.D

Acq: 15 Aug 2018 16:01

Instrument :

MSVOA_X

ClientSampleId :

VX0815MBS01

Tot Ion:156 Resp: 96204

Ion Ratio Lower Upper

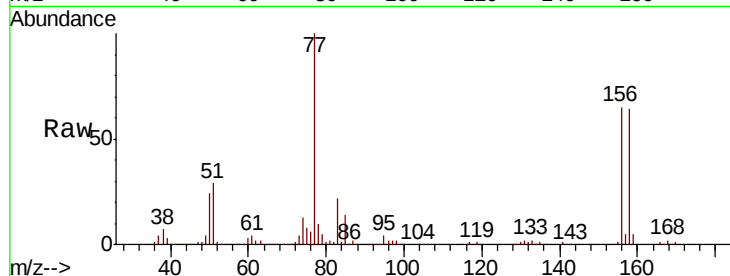
156 100

77 151.4 74.1 222.2

158 97.7 48.6 145.9

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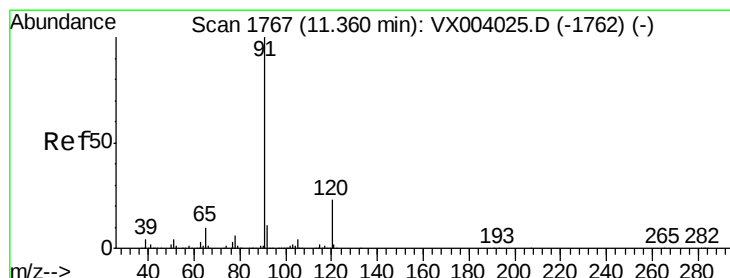
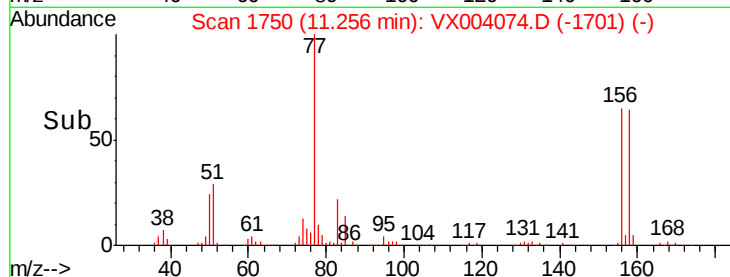
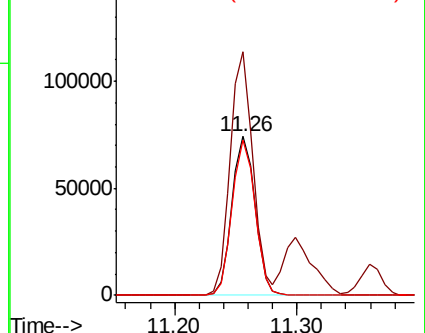
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.23 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004074.D

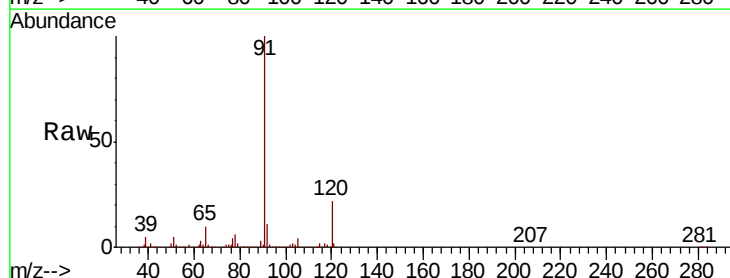
Acq: 15 Aug 2018 16:01

Tgt Ion: 91 Resp: 421628

Ion Ratio Lower Upper

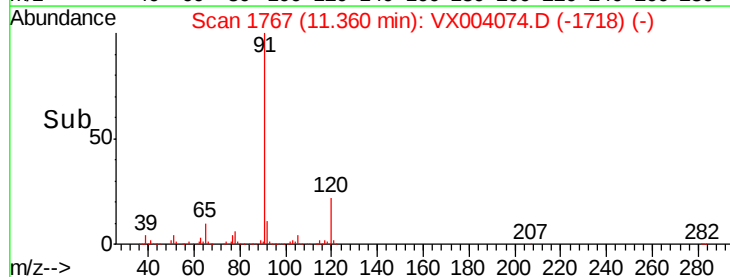
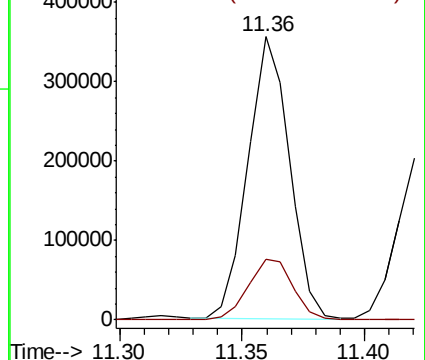
91 100

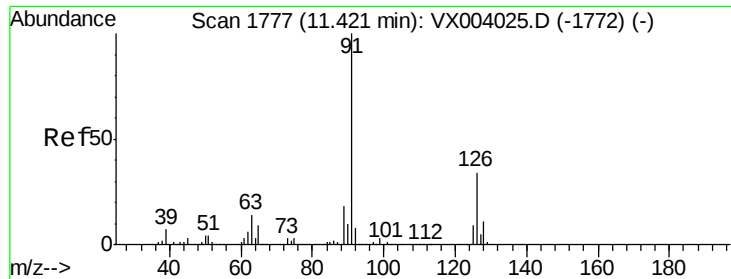
120 23.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.74 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004074.D

Acq: 15 Aug 2018 16:01

Instrument :

MSVOA_X

ClientSampleId :

VX0815MBS01

Tot Ion: 91 Resp: 251263

Ion Ratio Lower Upper

91 100

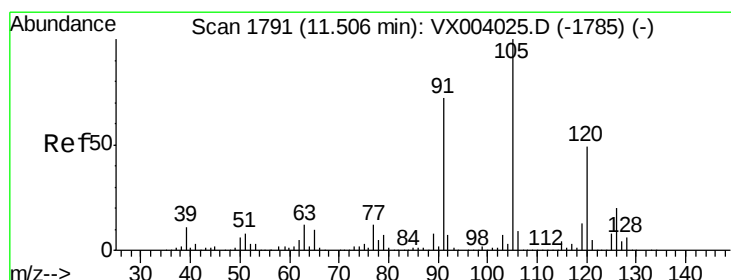
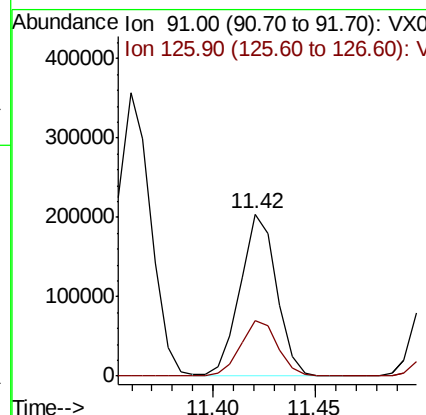
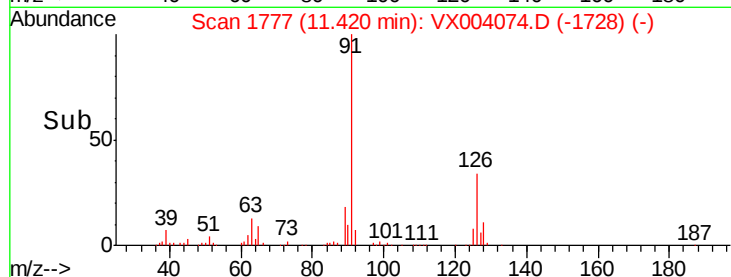
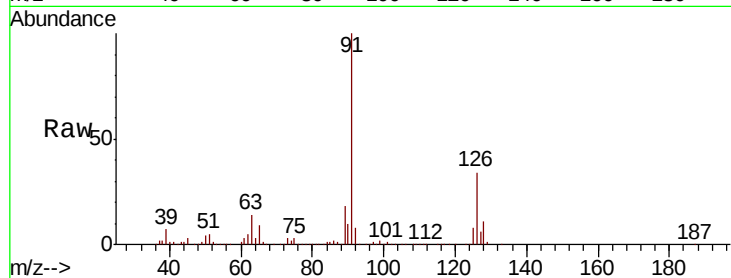
126 35.0 17.4 52.3

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#80

1,3,5-Trimethylbenzene

Concen: 22.01 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004074.D

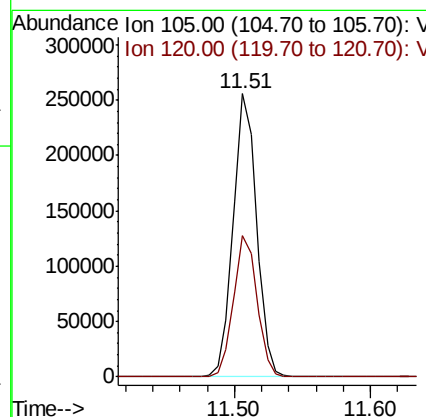
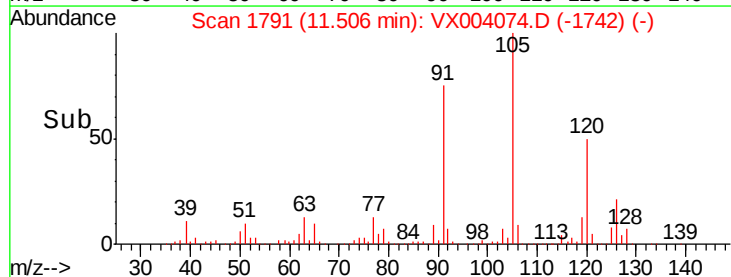
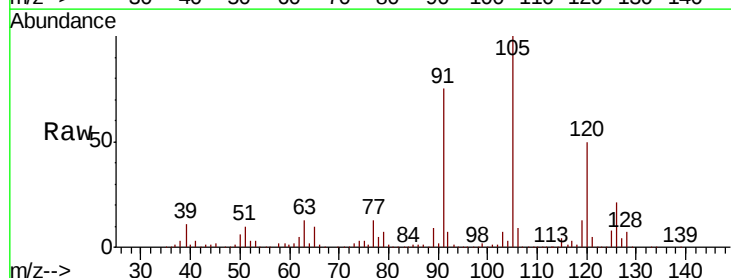
Acq: 15 Aug 2018 16:01

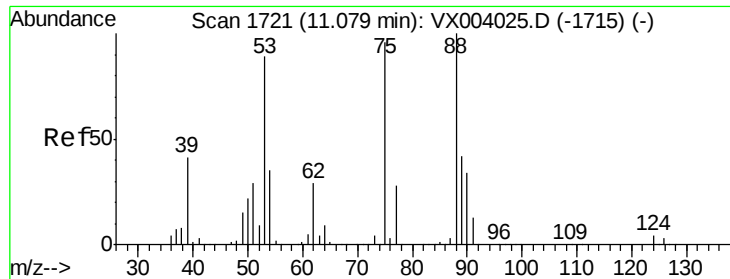
Tgt Ion: 105 Resp: 305450

Ion Ratio Lower Upper

105 100

120 50.5 25.4 76.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.99 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. -0.01 min

Lab File: VX004074.D

Acq: 15 Aug 2018 16:01

Instrument :

MSVOA_X

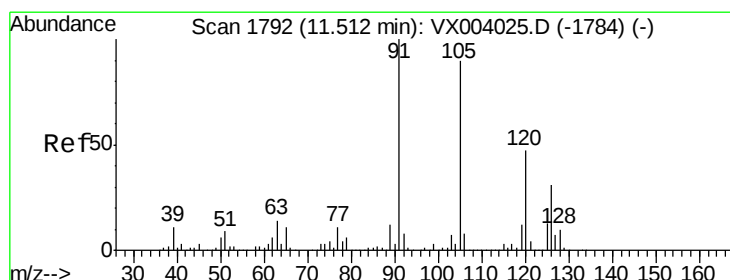
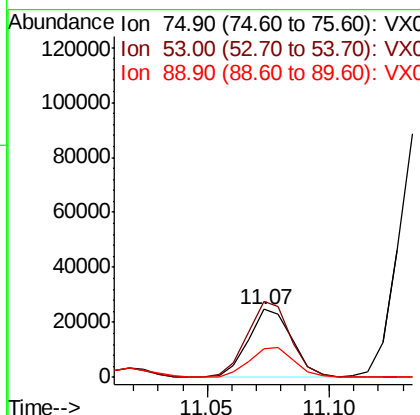
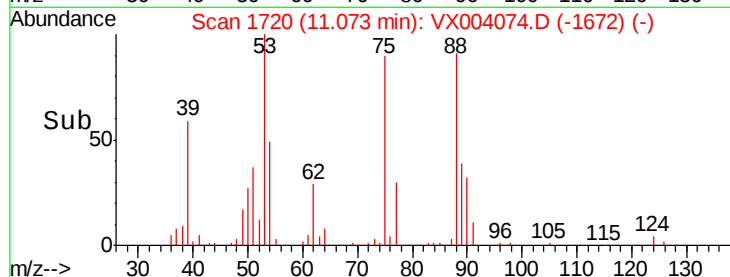
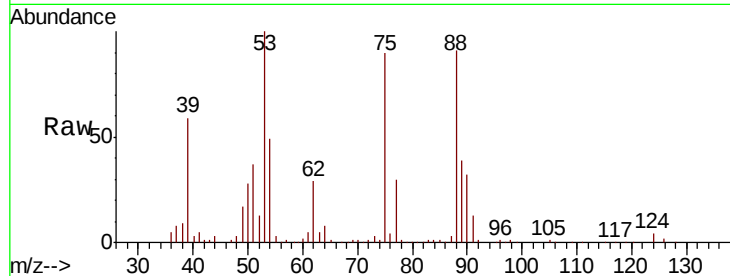
ClientSampleId :

VX0815MBS01

Tot Ion:	75	Resp:	30799
Ion Ratio	Lower	Upper	
75	100		
53	110.4	80.3	120.5
89	46.4	37.8	56.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.83 ug/l

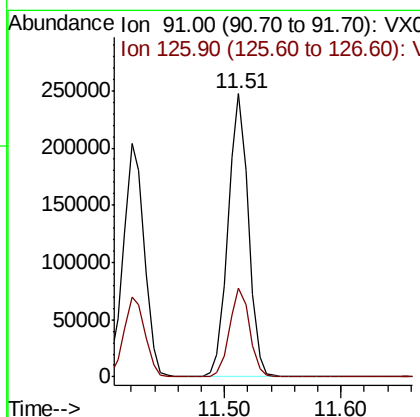
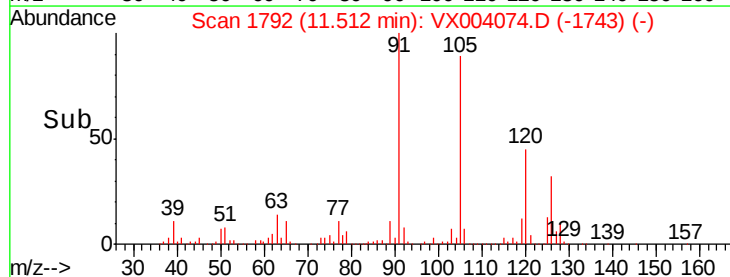
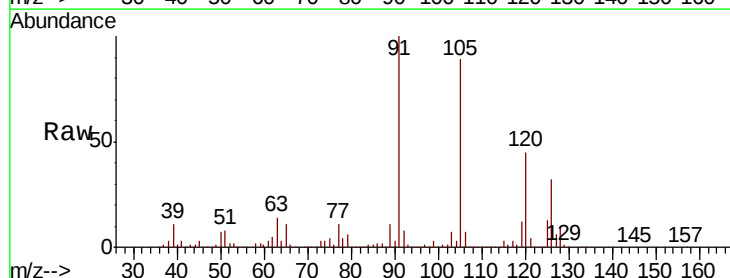
RT: 11.51 min Scan# 1792

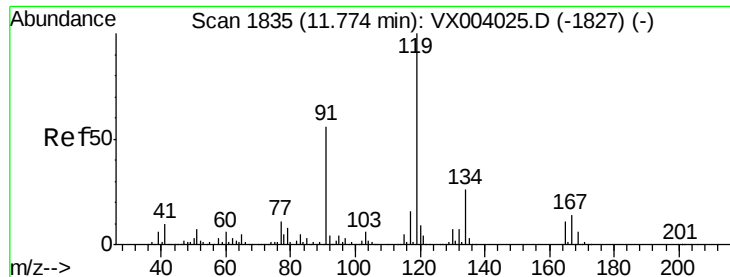
Delta R.T. -0.00 min

Lab File: VX004074.D

Acq: 15 Aug 2018 16:01

Tgt Ion:	91	Resp:	298224
Ion Ratio	Lower	Upper	
91	100		
126	31.2	15.6	46.7





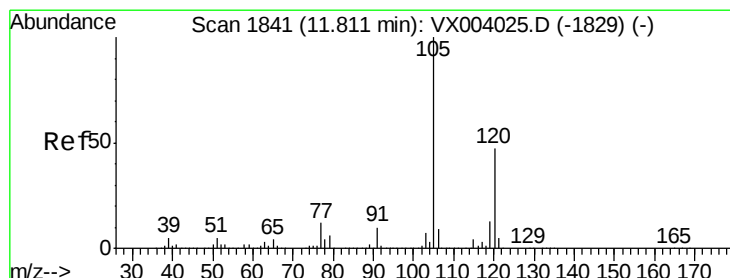
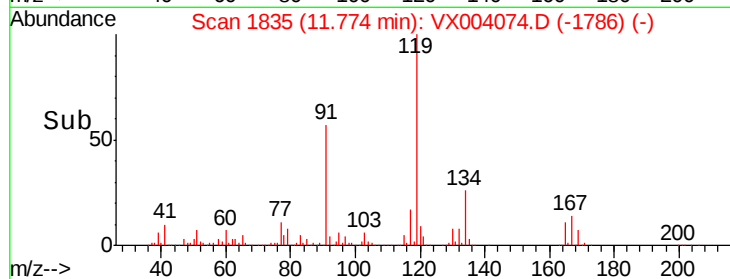
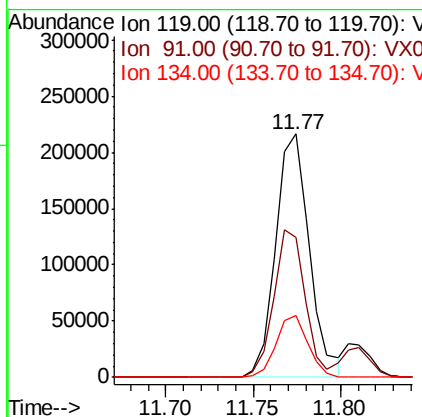
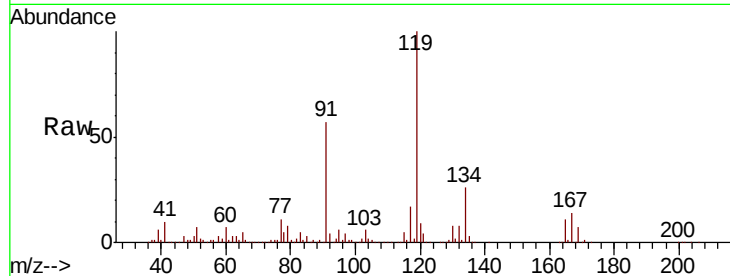
#83
 tert-Butylbenzene
 Concen: 20.81 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004074.D
 Acq: 15 Aug 2018 16:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815MBS01

Tot Ion:	119	Resp:	291128
Ion Ratio	Lower	Upper	
119	100		
91	56.2	26.9	80.7
134	24.2	12.0	36.0

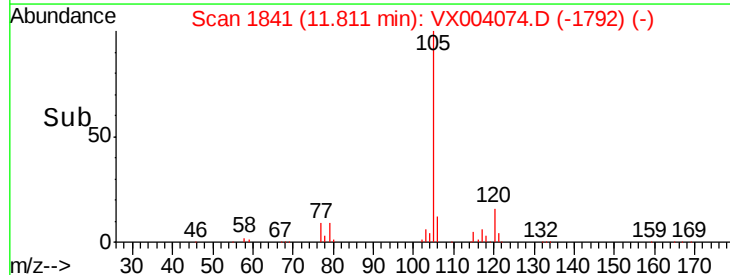
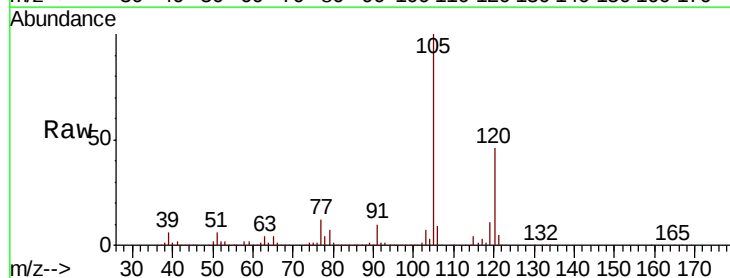
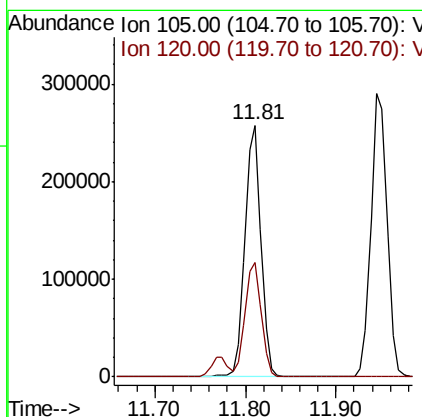
Manual Integrations
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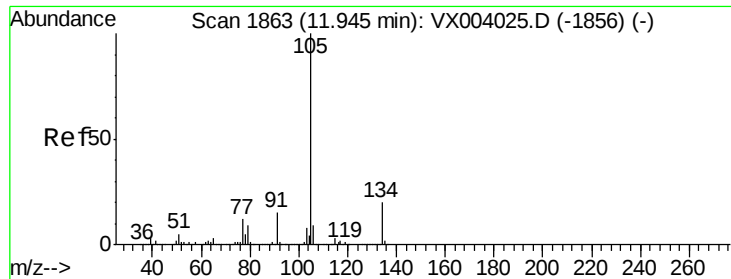
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.98 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004074.D
 Acq: 15 Aug 2018 16:01

Tgt Ion:	105	Resp:	315845
Ion Ratio	Lower	Upper	
105	100		
120	46.1	23.1	69.2





#85

sec-Butylbenzene

Concen: 21.87 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004074.D

Acq: 15 Aug 2018 16:01

Instrument :

MSVOA_X

ClientSampleId :

VX0815MBS01

Tot Ion:105 Resp: 358064

Ion Ratio Lower Upper

105 100

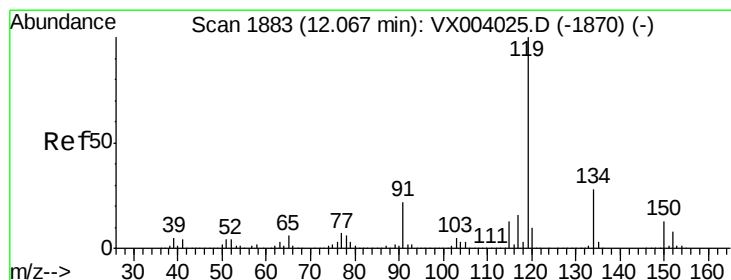
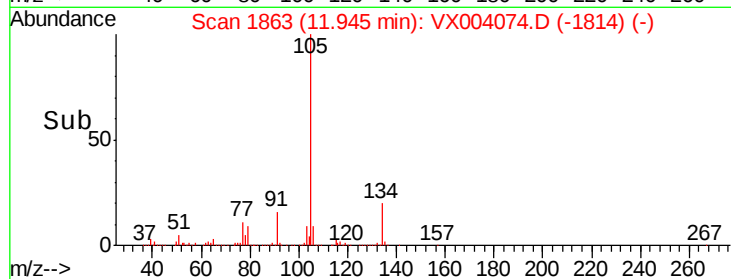
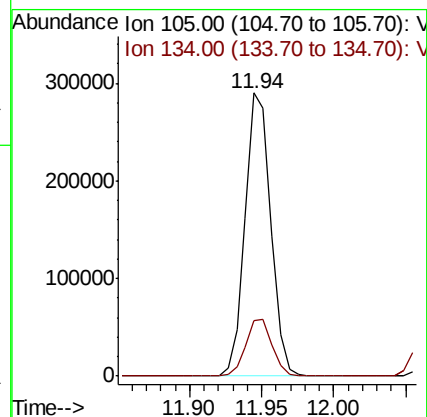
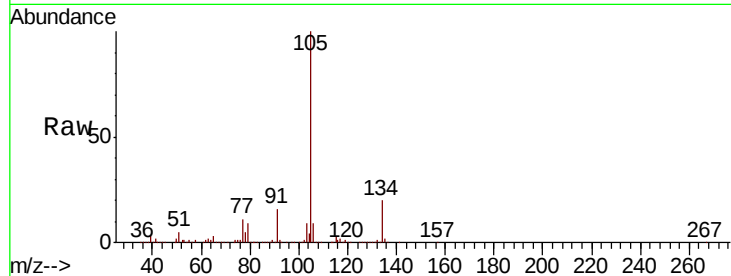
134 20.6 10.3 30.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.18 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004074.D

Acq: 15 Aug 2018 16:01

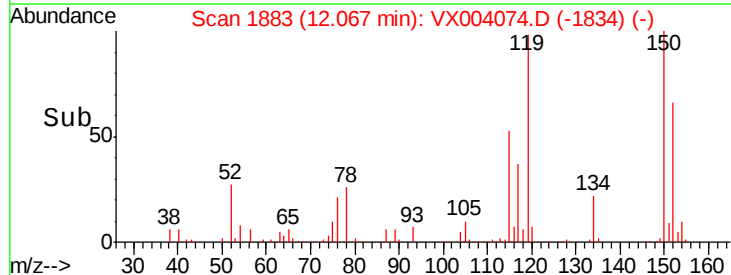
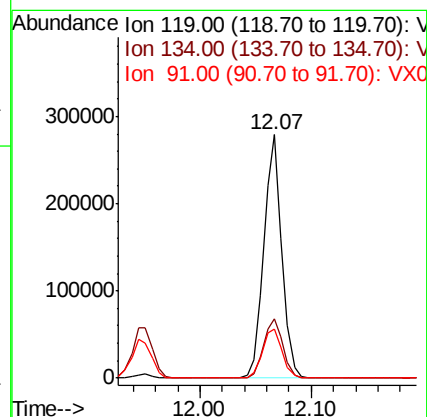
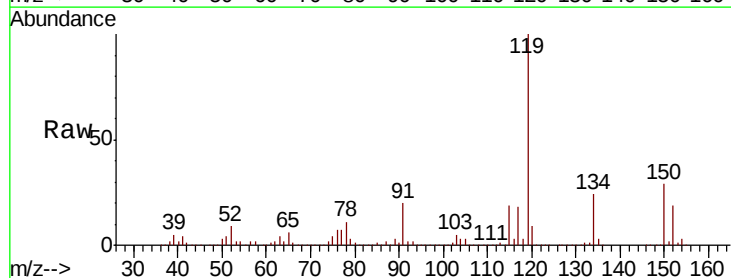
Tgt Ion:119 Resp: 313978

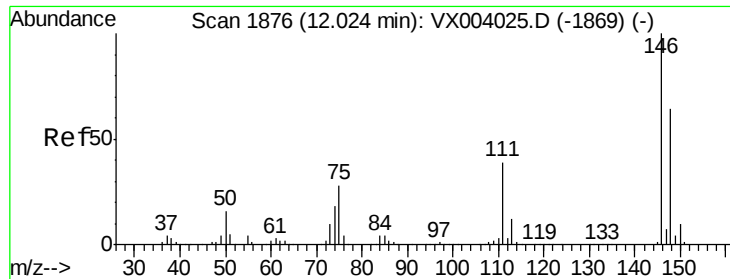
Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.8

91 22.1 10.9 32.7





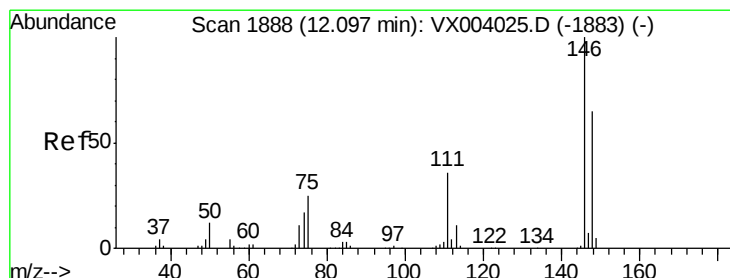
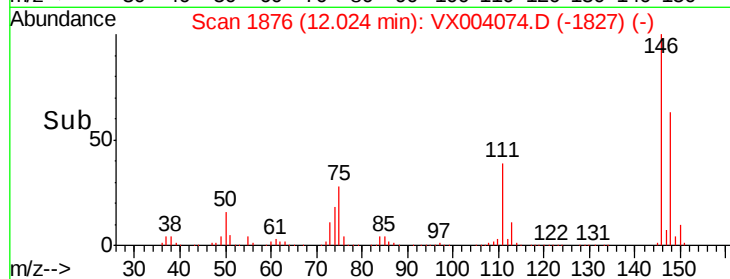
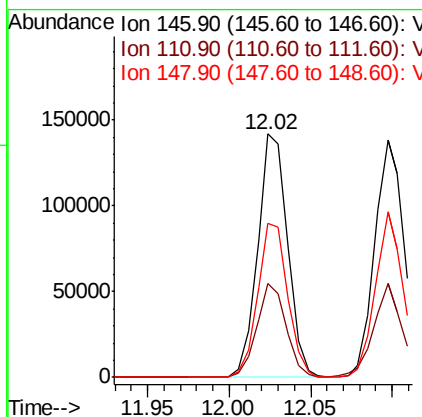
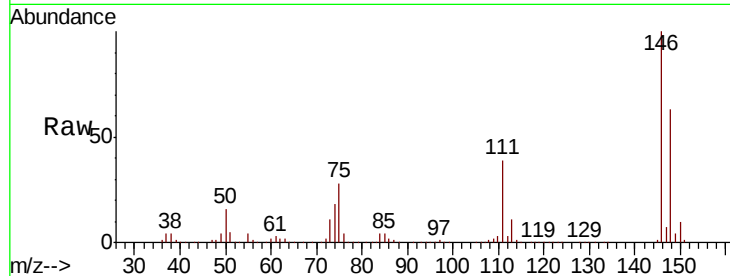
#87
 1,3-Dichlorobenzene
 Concen: 20.18 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004074.D
 Acq: 15 Aug 2018 16:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.8	56.4
148	63.6	31.9	95.5

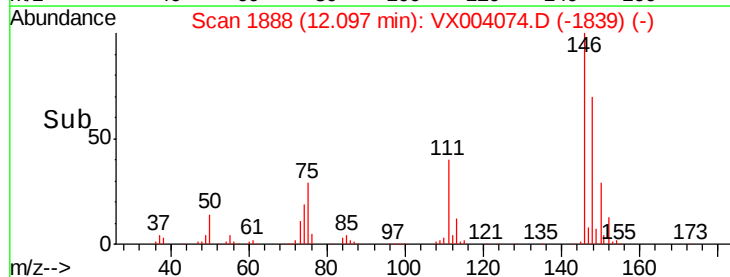
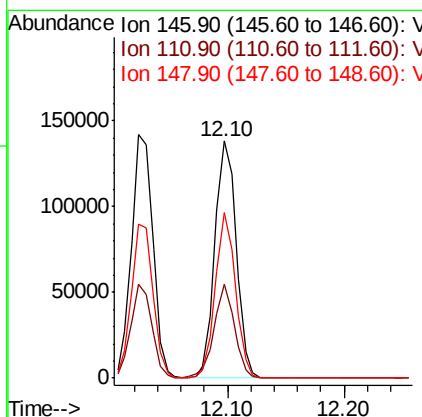
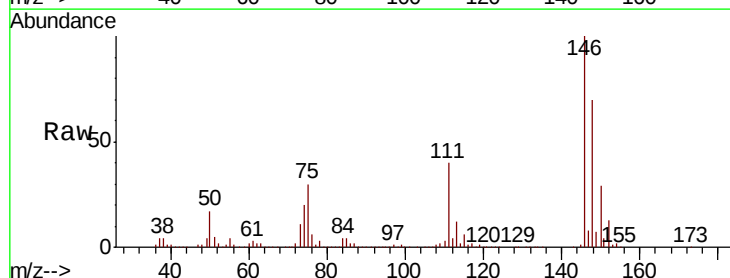
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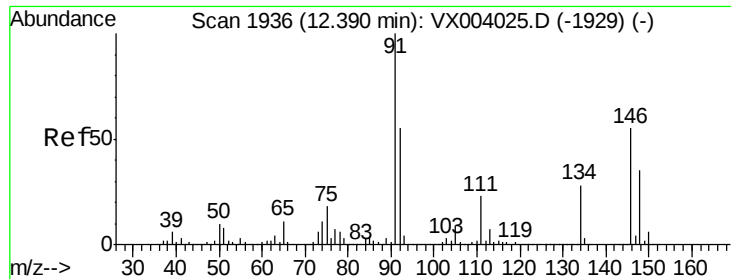
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#88
 1,4-Dichlorobenzene
 Concen: 19.00 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004074.D
 Acq: 15 Aug 2018 16:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.4	55.0
148	65.8	32.3	96.8





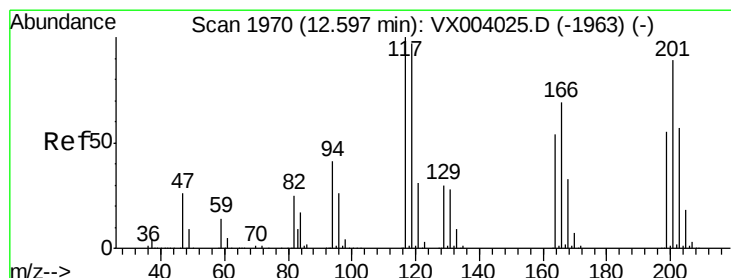
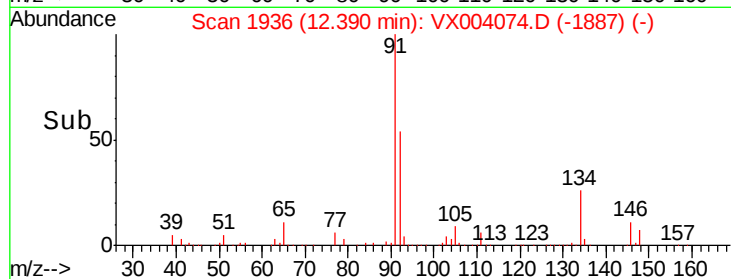
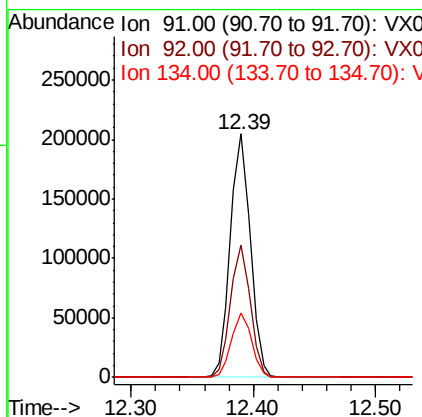
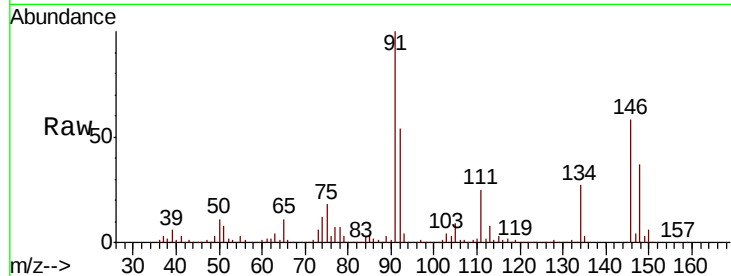
#89
n-Butylbenzene
Concen: 19.86 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Instrument :
MSVOA_X
ClientSampleId :
VX0815MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.1	81.3
134	26.6	13.6	40.7

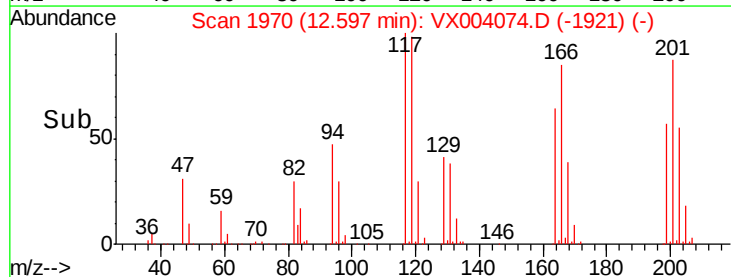
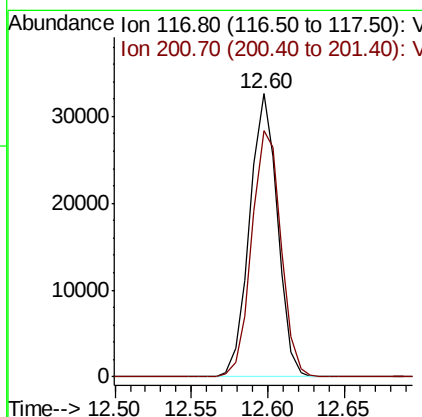
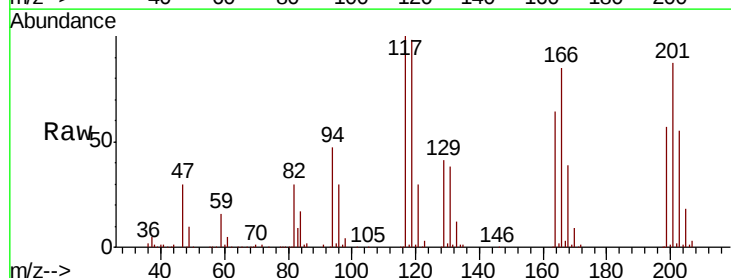
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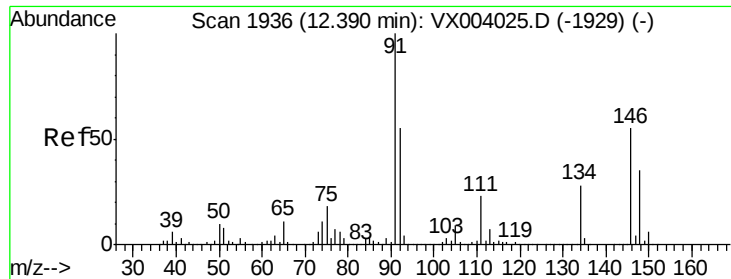
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#90
Hexachloroethane
Concen: 18.68 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.9	46.1	138.2





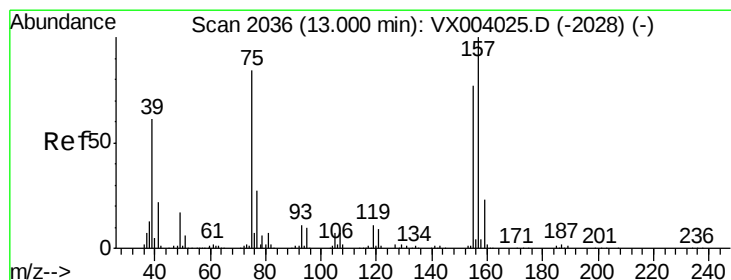
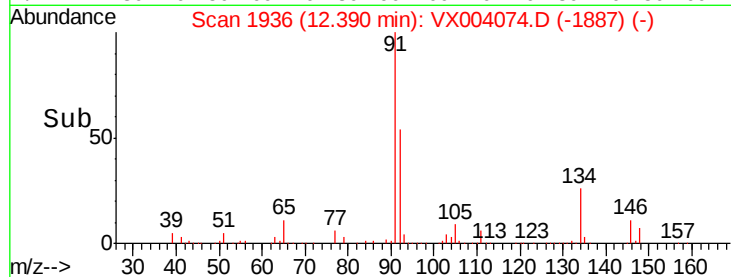
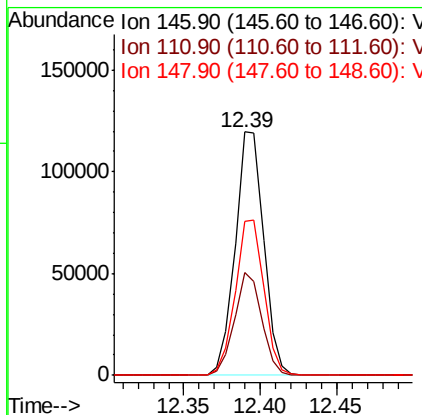
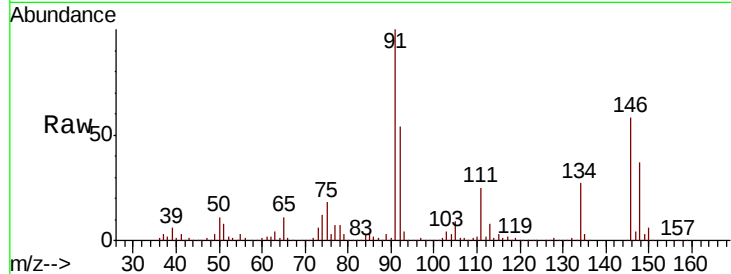
#91
 1,2-Dichlorobenzene
 Concen: 19.27 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004074.D
 Acq: 15 Aug 2018 16:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.7	59.0
148	64.0	31.9	95.5

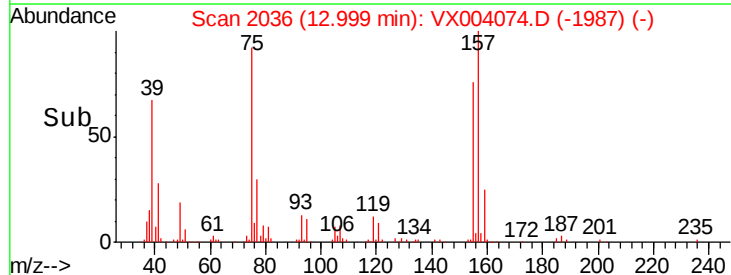
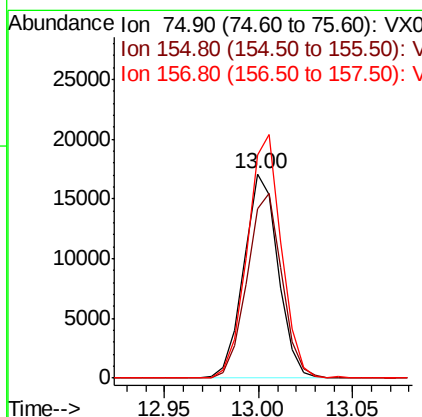
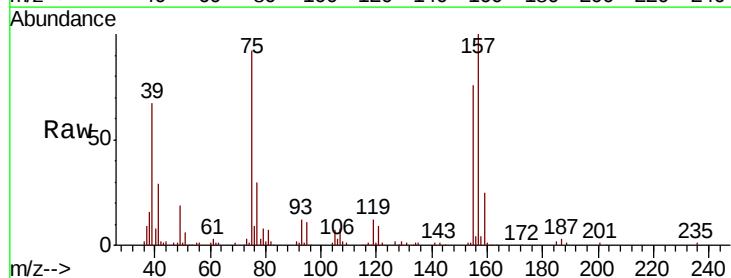
Manual Integrations
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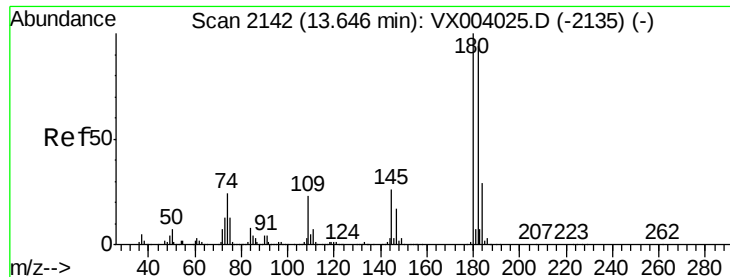
MMDadoda
 8/16/2018 4:39:06 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.66 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004074.D
 Acq: 15 Aug 2018 16:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.3	48.7	146.1
157	118.9	62.6	187.8





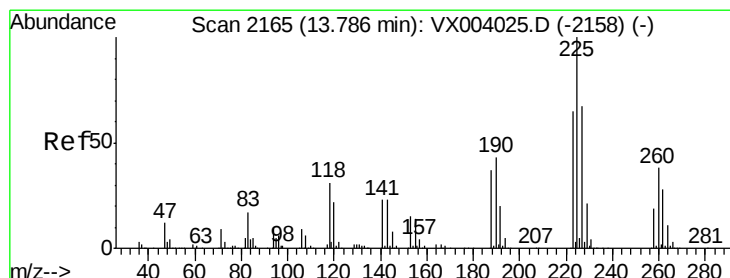
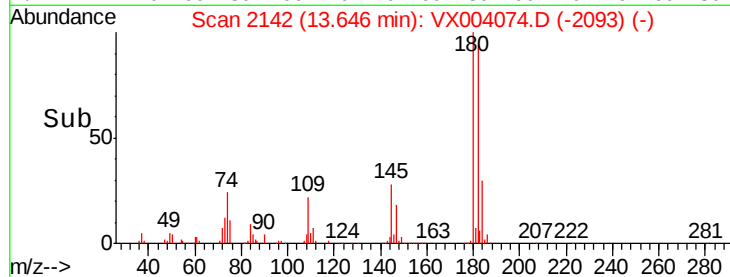
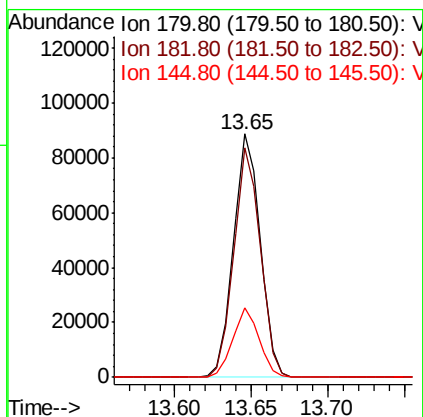
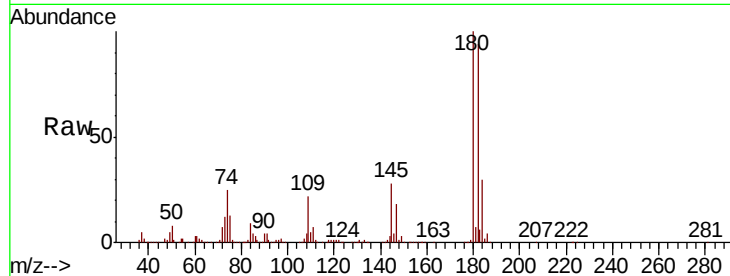
#93
 1,2,4-Trichlorobenzene
 Concen: 19.56 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004074.D
 Acq: 15 Aug 2018 16:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	107416		
182	93.8	47.7	143.1	
145	28.1	13.9	41.6	

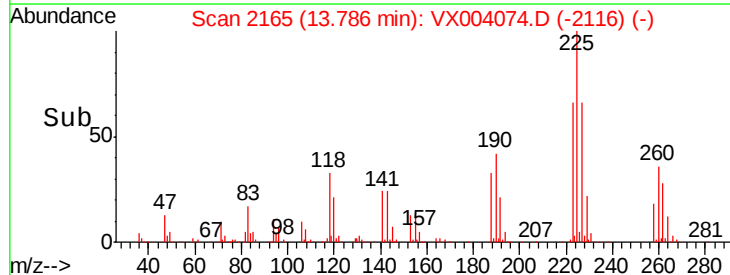
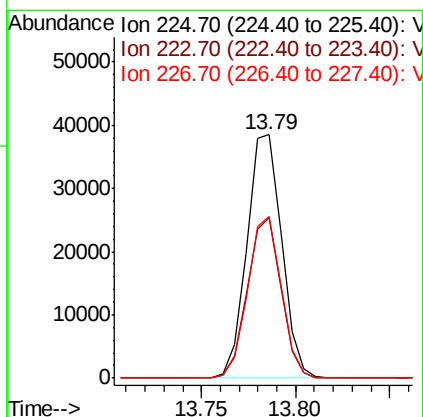
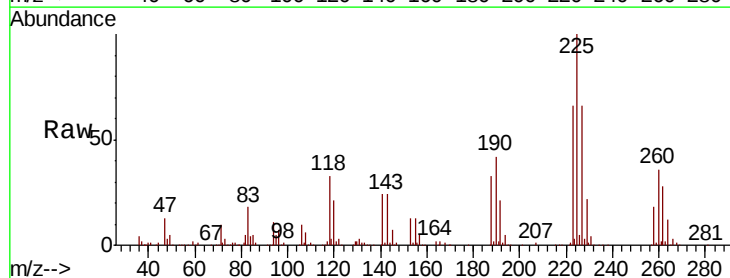
Manual Integrations
 APPROVED

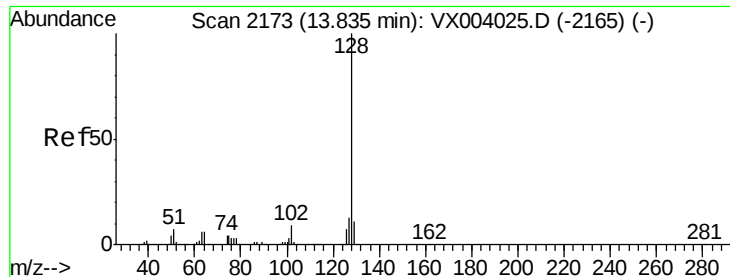
MMDadoda
 8/16/2018 4:39:06 PM



#94
 Hexachlorobutadiene
 Concen: 17.88 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004074.D
 Acq: 15 Aug 2018 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	49223		
223	64.0	31.4	94.0	
227	64.3	32.1	96.5	





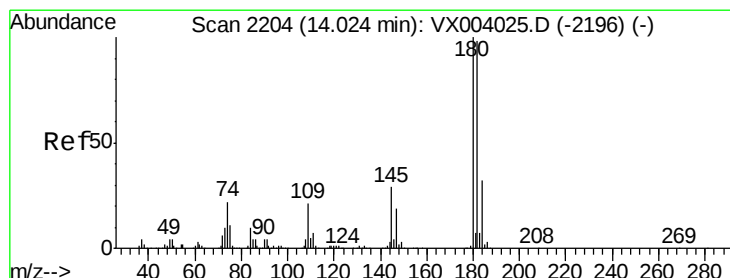
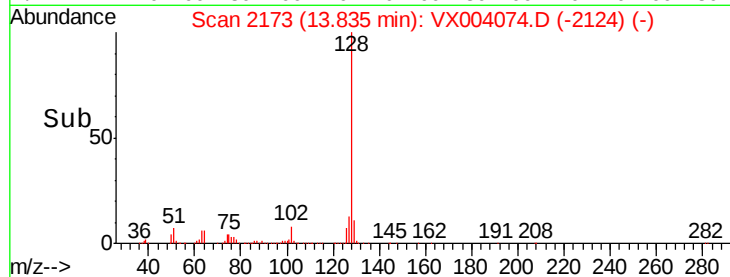
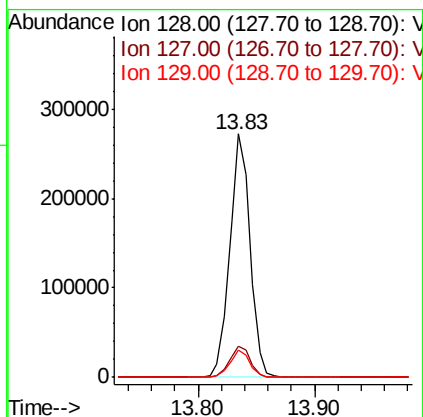
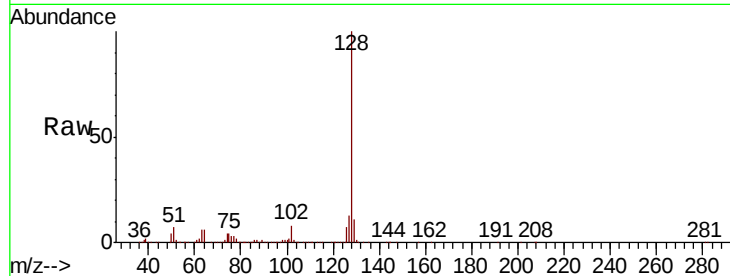
#95
Naphthalene
Concen: 19.54 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Instrument :
MSVOA_X
ClientSampleId :
VX0815MBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	329675		
127	13.0		10.2	15.2
129	10.9		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/16/2018 4:39:06 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.47 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX004074.D
Acq: 15 Aug 2018 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	110631		
182	94.8		48.1	144.4
145	30.2		14.9	44.7

