

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX040718\
 Data File : VX000711.D
 Acq On : 07 Apr 2018 12:14
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
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sam
 4/9/2018 2:02:06 PM

Quant Time: Apr 07 16:52:27 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X040718W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 07 16:39:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	319378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	447889	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	413923	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	243278	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	73292	20.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	41.68%	
35) Dibromofluoromethane	5.51	113	58853	20.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	40.24%	
50) Toluene-d8	8.72	98	217069	20.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	40.42%	
62) 4-Bromofluorobenzene	11.15	95	88583	20.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	40.68%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	59629	20.813	ug/l	100
3) Chloromethane	1.32	50	48251	20.480	ug/l	96
4) Vinyl Chloride	1.41	62	50069	20.345	ug/l	98
5) Bromomethane	1.65	94	36219	26.624	ug/l	98
6) Chloroethane	1.73	64	30386	20.218	ug/l	99
7) Trichlorofluoromethane	1.93	101	83133	20.635	ug/l	98
8) Diethyl Ether	2.19	74	30598	20.377	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	48452	20.525	ug/l	99
10) Methyl Iodide	2.52	142	38234	14.836	ug/l	98
11) Tert butyl alcohol	3.07	59	64848	98.608	ug/l	98
12) 1,1-Dichloroethene	2.38	96	42759	20.125	ug/l	96
13) Acrolein	2.30	56	24413	96.076	ug/l	96
14) Allyl chloride	2.73	41	87911	20.714	ug/l	99
15) Acrylonitrile	3.15	53	130156	98.931	ug/l	99
16) Acetone	2.45	43	114838	103.987	ug/l	97
17) Carbon Disulfide	2.57	76	103699	20.535	ug/l	99
18) Methyl Acetate	2.78	43	70311	20.002	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	168134	20.480	ug/l	100
20) Methylene Chloride	2.86	84	51978	21.415	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	46457	20.401	ug/l	97
22) Diisopropyl ether	3.88	45	177789	20.361	ug/l	99
23) Vinyl Acetate	3.83	43	778142	102.494	ug/l	99
24) 1,1-Dichloroethane	3.70	63	89335	19.651	ug/l	98
25) 2-Butanone	4.71	43	203876	100.199	ug/l	98
26) 2,2-Dichloropropane	4.59	77	93473	20.697	ug/l	100
27) cis-1,2-Dichloroethene	4.61	96	60053	20.528	ug/l	99
28) Bromochloromethane	5.03	49	43152	21.508	ug/l	99
29) Tetrahydrofuran	5.17	42	129189	99.527	ug/l	99
30) Chloroform	5.23	83	101103	20.696	ug/l	99
31) Cyclohexane	5.59	56	79294	20.895	ug/l	100
32) 1,1,1-Trichloroethane	5.51	97	96037	20.629	ug/l	100
36) 1,1-Dichloropropene	5.81	75	71754	20.224	ug/l	99
37) Ethyl Acetate	4.87	43	79323	19.694	ug/l	99
38) Carbon Tetrachloride	5.79	117	87083	20.221	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	81422	19.969	ug/l	98
40) Benzene	6.15	78	211645	20.459	ug/l	98
41) Methacrylonitrile	5.07	41	47044	19.826	ug/l	99
42) 1,2-Dichloroethane	6.21	62	84600	20.541	ug/l	100
43) Isopropyl Acetate	6.48	43	143281	20.256	ug/l	100
44) Trichloroethene	7.22	130	63199	19.861	ug/l	99
45) 1,2-Dichloropropane	7.52	63	57831	20.736	ug/l	99
46) Dibromomethane	7.67	93	38780	20.285	ug/l	100
47) Bromodichloromethane	7.91	83	82357	20.415	ug/l	99
48) Methyl methacrylate	7.79	41	73599	20.271	ug/l	99
49) 1,4-Dioxane	7.77	88	29160	396.262	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	418092	99.377	ug/l	99
52) Toluene	8.79	92	138057	19.981	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	97659	20.384	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	97377	20.193	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	57294	20.059	ug/l	99
56) Ethyl methacrylate	9.19	69	92669	19.958	ug/l	99
57) 1,3-Dichloropropane	9.38	76	94943	20.680	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	229250	116.592	ug/l	99
59) 2-Hexanone	9.51	43	319231	98.680	ug/l	100
60) Dibromochloromethane	9.59	129	70947	19.769	ug/l	100
61) 1,2-Dibromoethane	9.68	107	61155	20.126	ug/l	98
64) Tetrachloroethene	9.34	164	61229	19.728	ug/l	97
65) Chlorobenzene	10.15	112	164095	20.044	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	65528	20.344	ug/l	99
67) Ethyl Benzene	10.26	91	276989	20.152	ug/l	97
68) m/p-Xylenes	10.37	106	216453	40.288	ug/l	99
69) o-Xylene	10.71	106	105867	20.070	ug/l	99
70) Styrene	10.72	104	179418	19.897	ug/l	99
71) Bromoform	10.87	173	61851	19.575	ug/l #	100
73) Isopropylbenzene	11.02	105	285165	20.102	ug/l	100
74) N-amyl acetate	6.48	43	143281	20.538	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	84891	20.003	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	82964m	20.203	ug/l	
77) Bromobenzene	11.26	156	81831	20.147	ug/l	100
78) n-propylbenzene	11.37	91	325381	20.184	ug/l	99
79) 2-Chlorotoluene	11.43	91	193190	20.188	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	247343	20.264	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	30923	19.607	ug/l	95
82) 4-Chlorotoluene	11.52	91	234783	20.293	ug/l	99
83) tert-Butylbenzene	11.78	119	254606	20.218	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	256272	20.266	ug/l	99
85) sec-Butylbenzene	11.95	105	294140	19.930	ug/l	99
86) p-Isopropyltoluene	12.07	119	275213	20.008	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	150399	19.923	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	152520	19.843	ug/l	98
89) n-Butylbenzene	12.40	91	243595	19.991	ug/l	99
90) Hexachloroethane	12.60	117	50157	19.933	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	147352	19.804	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	22412	19.675	ug/l	99

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VSTDICC020

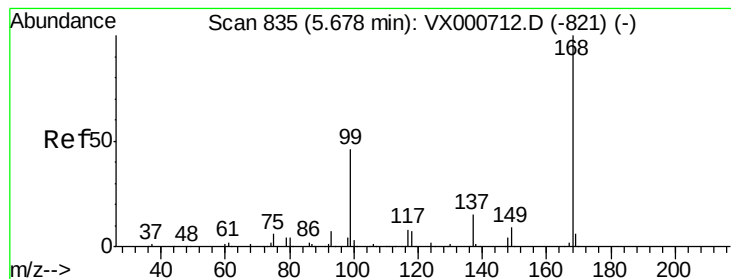
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	123825	19.828	ug/l	99
94) Hexachlorobutadiene	13.79	225	59461	19.405	ug/l	99
95) Naphthalene	13.84	128	334151	19.721	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	118913	19.466	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tgt Ion:168 Resp: 319378

Ion Ratio Lower Upper

168 100

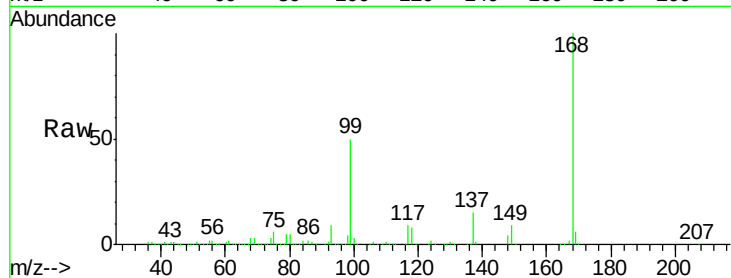
99 49.7 37.2 55.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

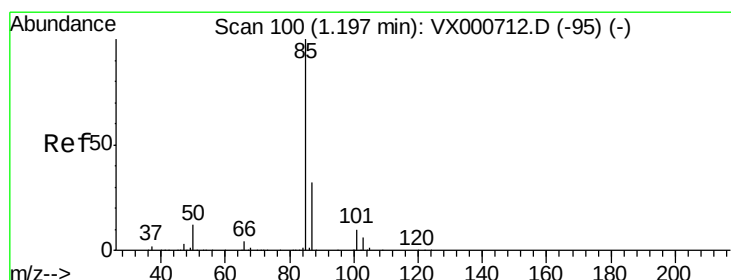
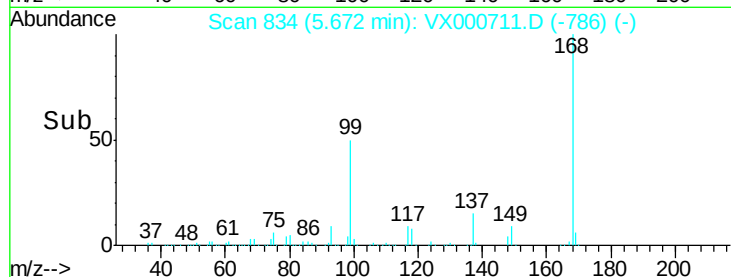
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.813 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000711.D

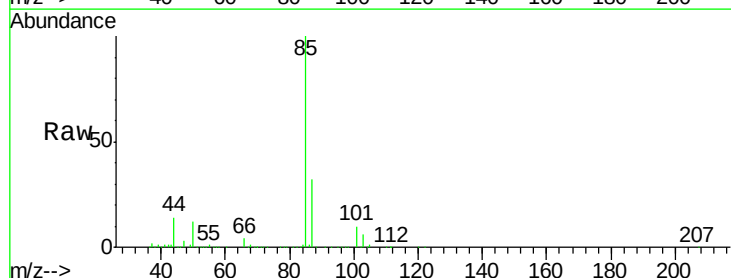
Acq: 07 Apr 2018 12:14

Tgt Ion: 85 Resp: 59629

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

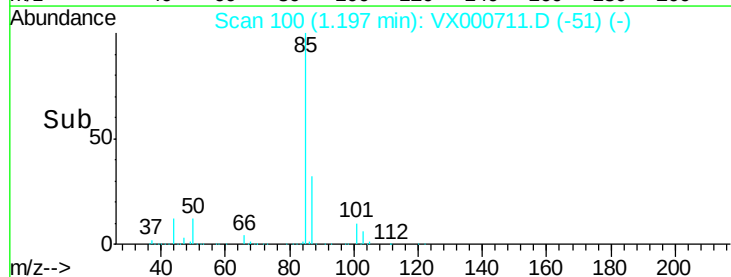
30000

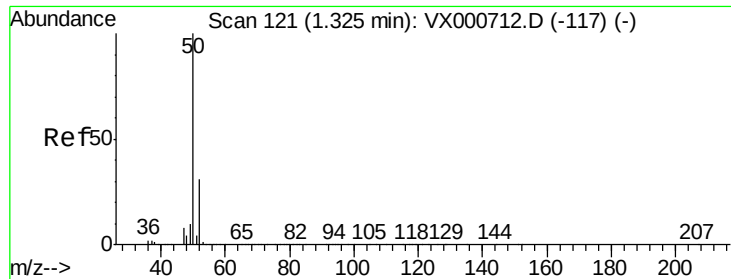
20000

10000

0

Time-->





#3

Chloromethane

Concen: 20.480 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tgt Ion: 50 Resp: 48251

Ion Ratio Lower Upper

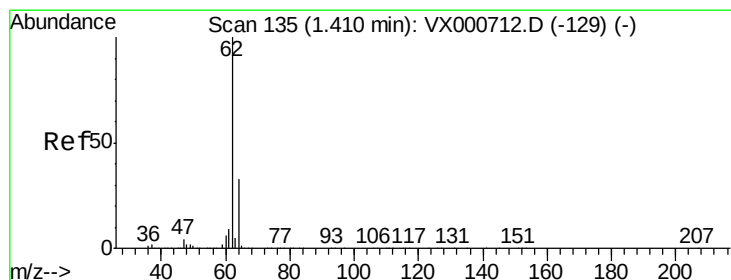
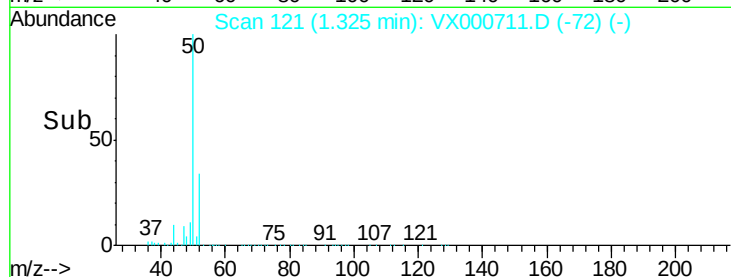
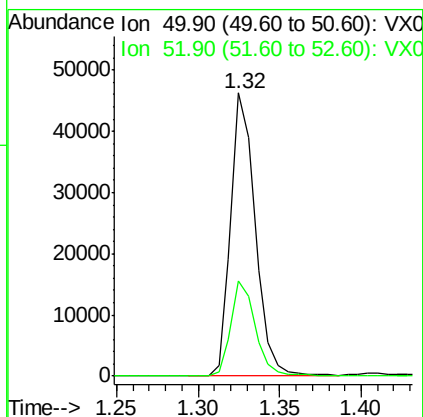
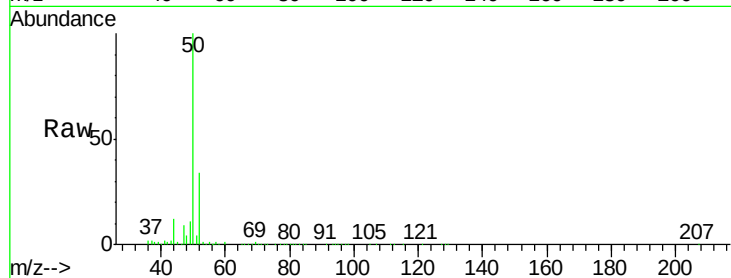
50 100

52 33.4 24.9 37.3

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#4

Vinyl Chloride

Concen: 20.345 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX000711.D

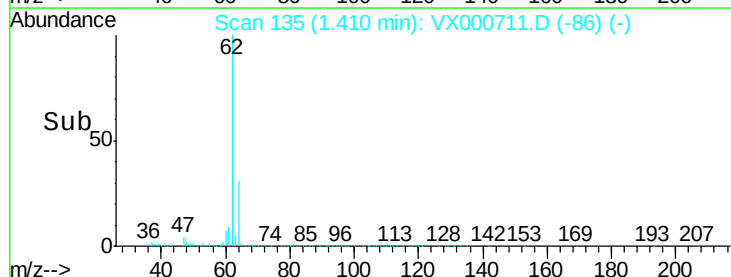
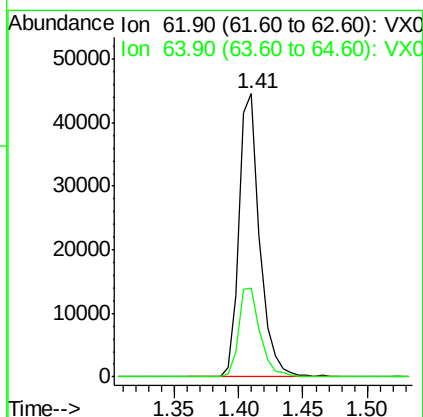
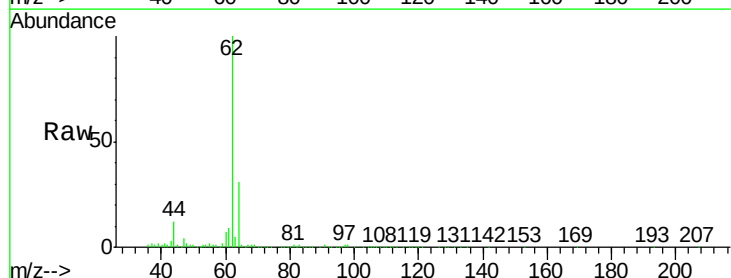
Acq: 07 Apr 2018 12:14

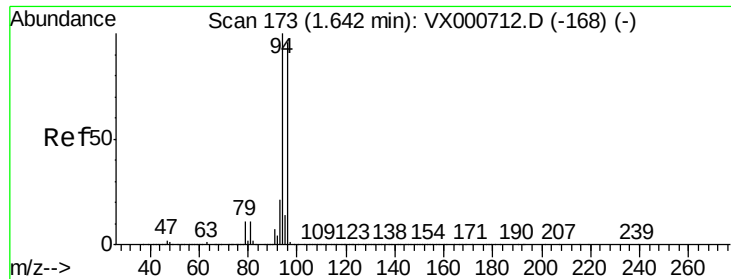
Tgt Ion: 62 Resp: 50069

Ion Ratio Lower Upper

62 100

64 31.5 26.2 39.2





#5

Bromomethane

Concen: 26.624 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 94 Resp: 36219

Ion Ratio Lower Upper

94 100

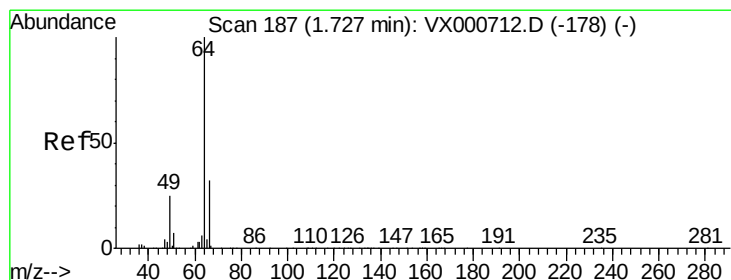
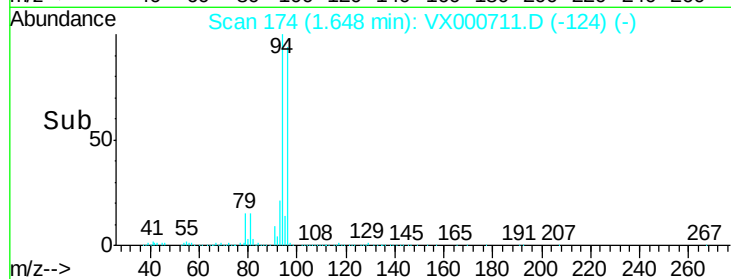
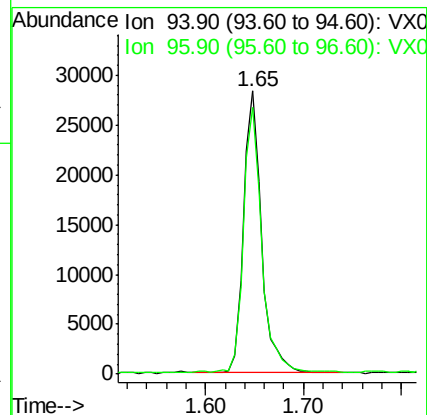
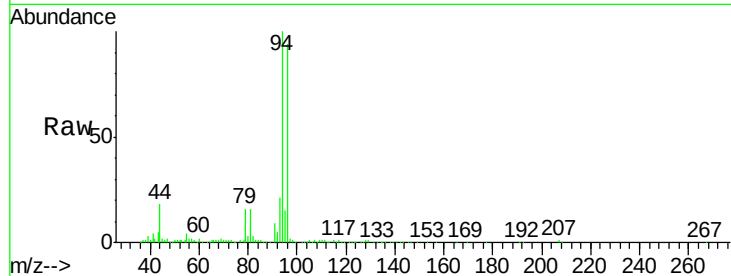
96 93.8 76.5 114.7

Manual Integrations

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#6

Chloroethane

Concen: 20.218 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX000711.D

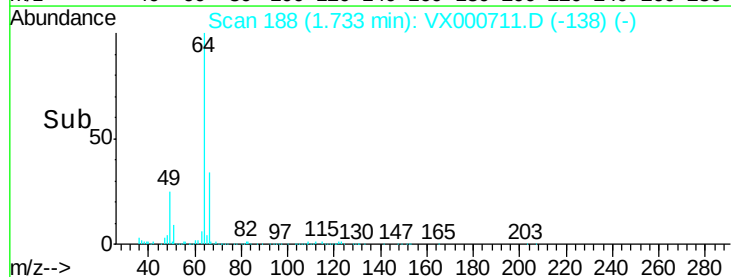
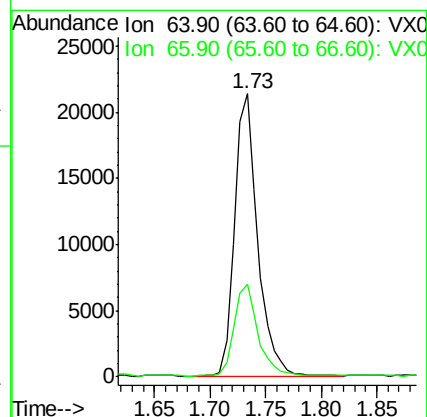
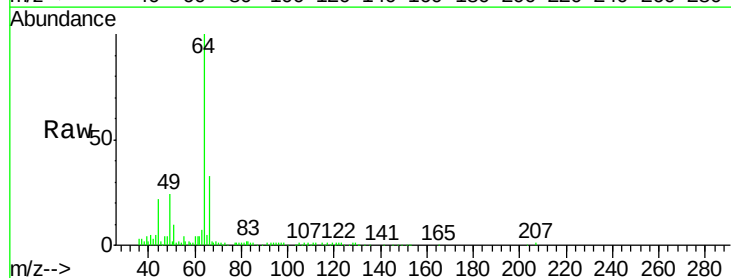
Acq: 07 Apr 2018 12:14

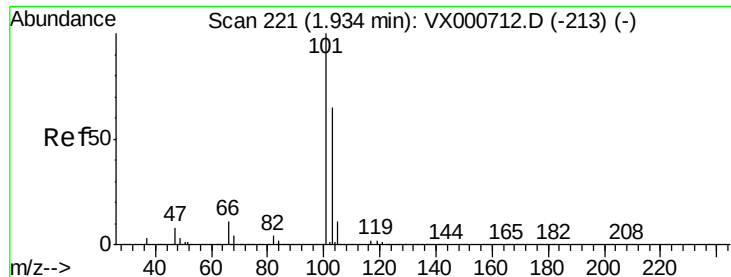
Tgt Ion: 64 Resp: 30386

Ion Ratio Lower Upper

64 100

66 32.3 25.4 38.2





#7

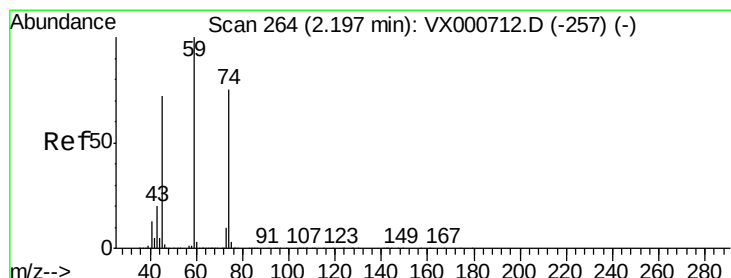
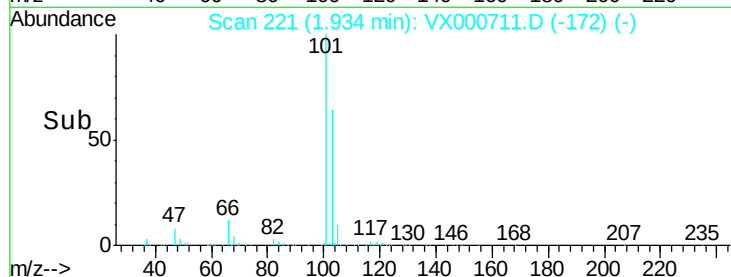
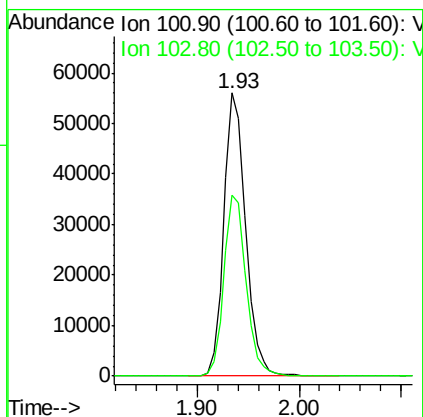
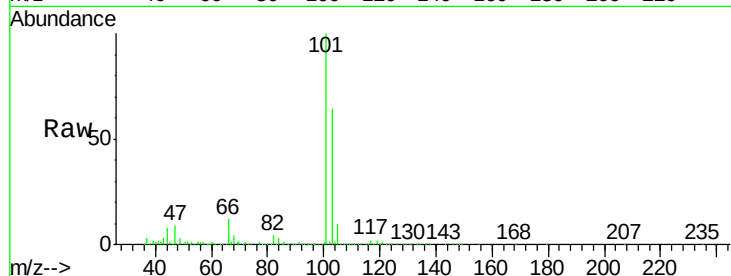
Trichlorofluoromethane
Concen: 20.635 ug/l
RT: 1.93 min Scan# 221
Delta R.T. -0.00 min
Lab File: VX000711.D
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.1	78.1

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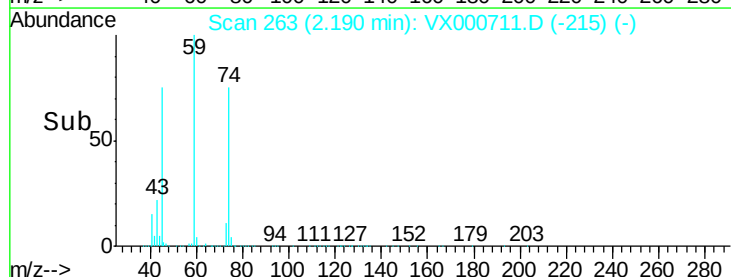
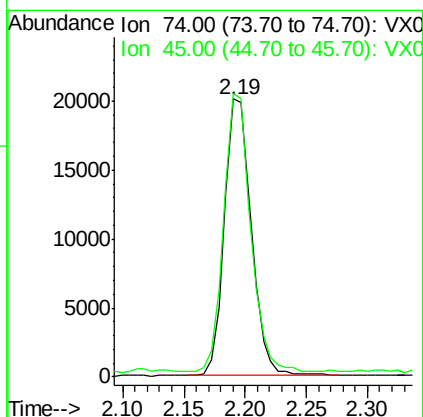
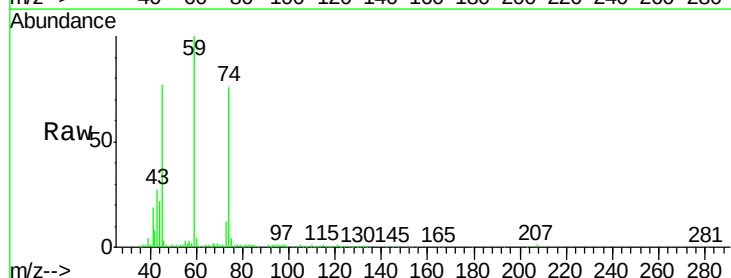
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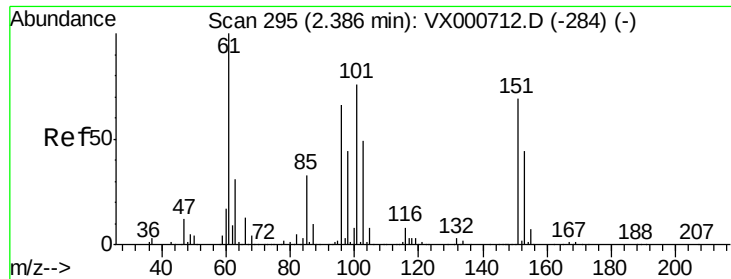


#8

Diethyl Ether
Concen: 20.377 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.01 min
Lab File: VX000711.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.7	48.4	145.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.525 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.01 min

Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

Instrument :

MSVOA_X

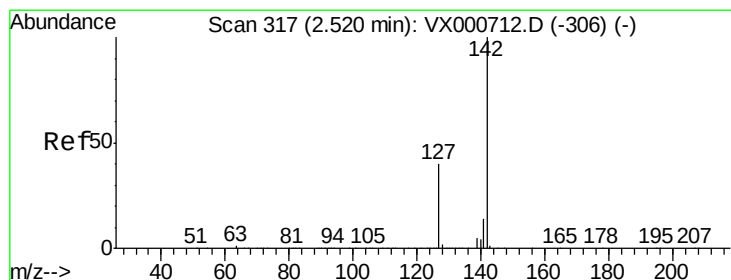
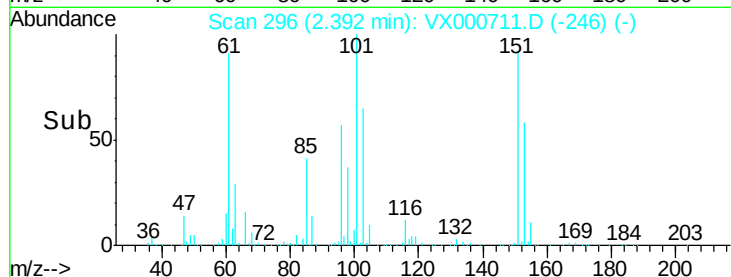
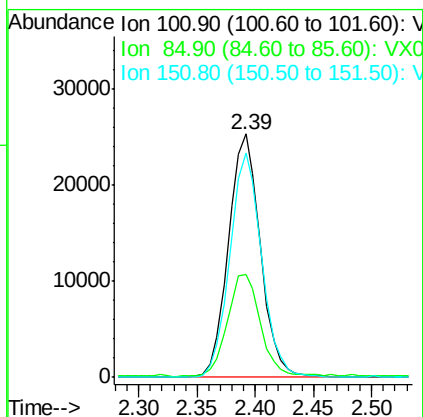
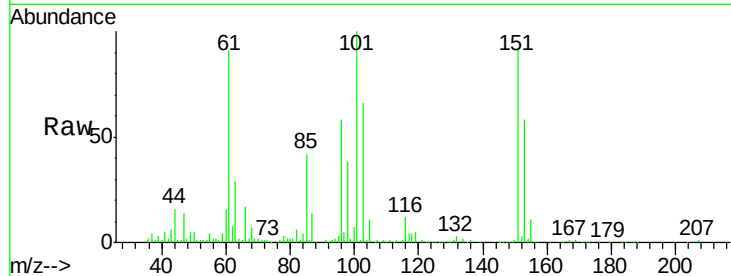
ClientSampleId :

VSTDIC020

Tgt Ion:	101	Resp:	48452
Ion Ratio	Lower	Upper	
101	100		
85	43.6	34.3	51.5
151	92.0	73.8	110.8

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#10

Methyl Iodide

Concen: 14.836 ug/l

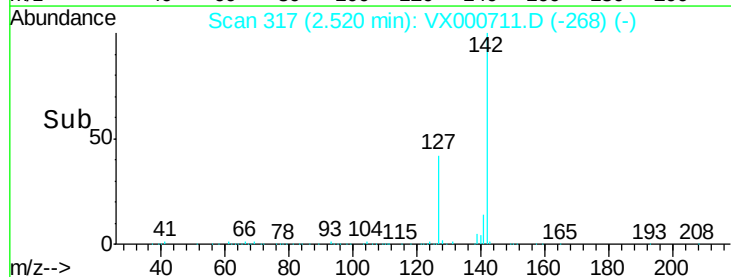
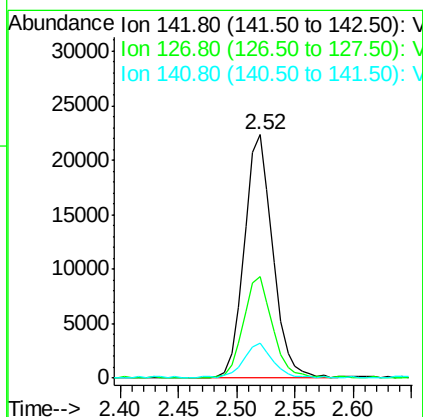
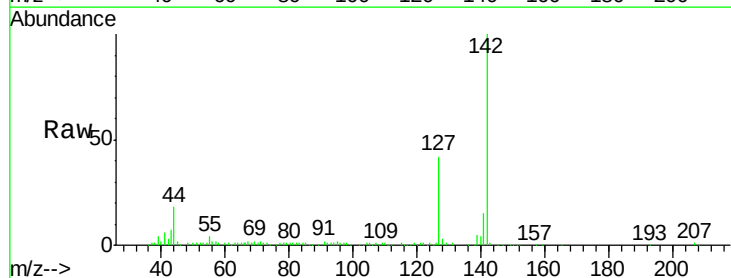
RT: 2.52 min Scan# 317

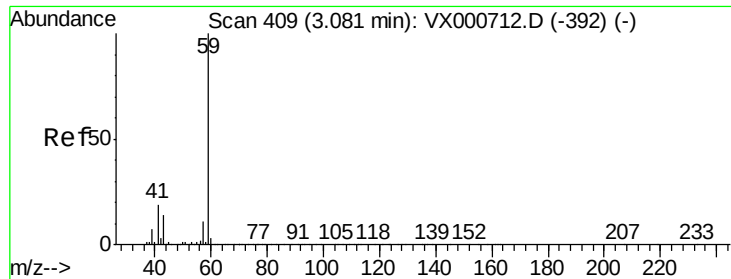
Delta R.T. -0.00 min

Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

Tgt Ion:	142	Resp:	38234
Ion Ratio	Lower	Upper	
142	100		
127	41.8	33.9	50.9
141	15.5	11.4	17.0





#11

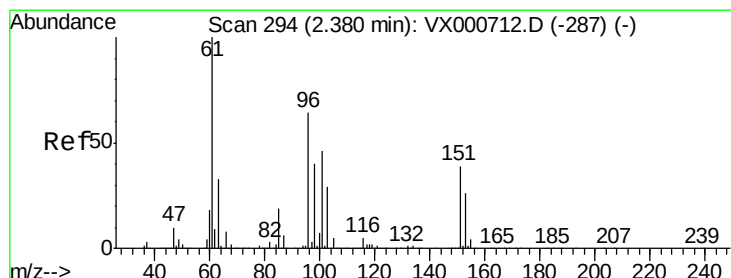
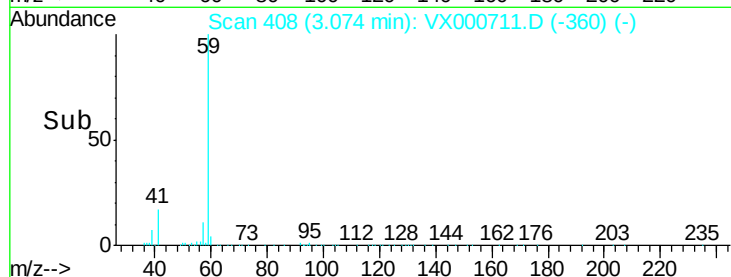
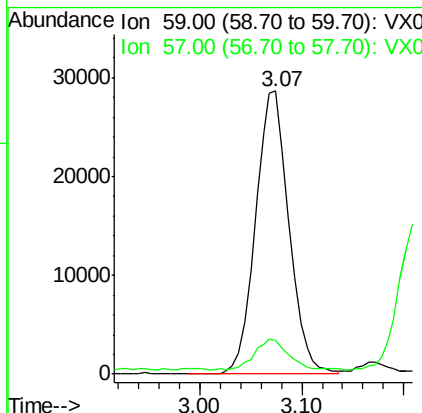
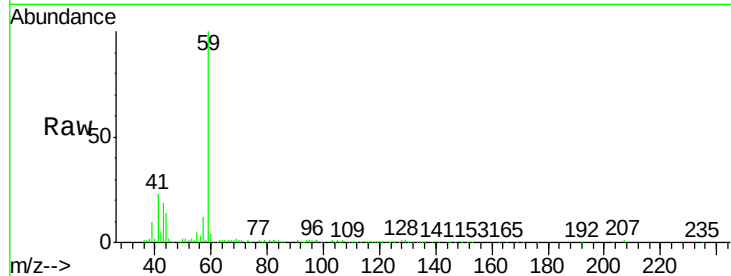
Tert butyl alcohol
Concen: 98.608 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.4	12.6

Manual Integrations
APPROVED

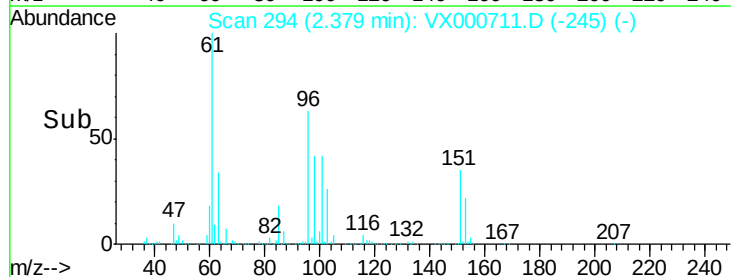
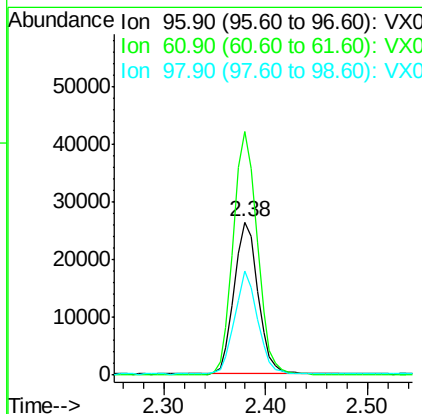
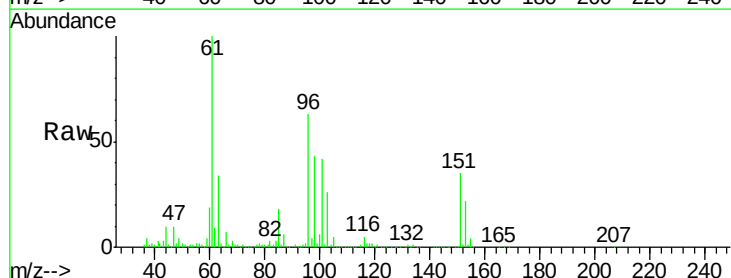
sam
4/9/2018 2:02:06 PM

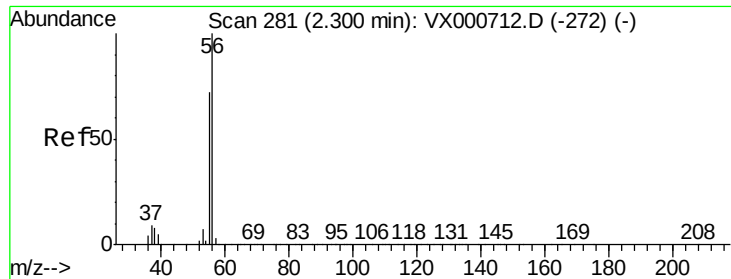


#12

1,1-Dichloroethene
Concen: 20.125 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.1	125.0	187.4
98	67.7	50.5	75.7





#13

Acrolein

Concen: 96.076 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 56 Resp: 24413

Ion Ratio Lower Upper

56 100

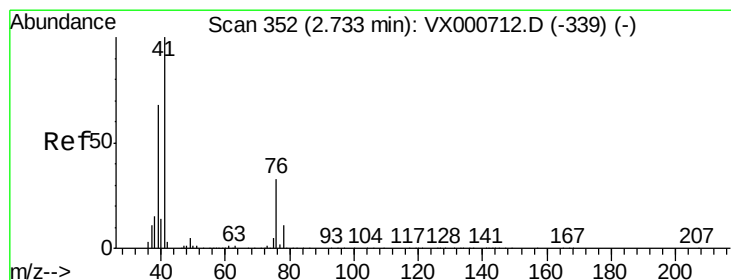
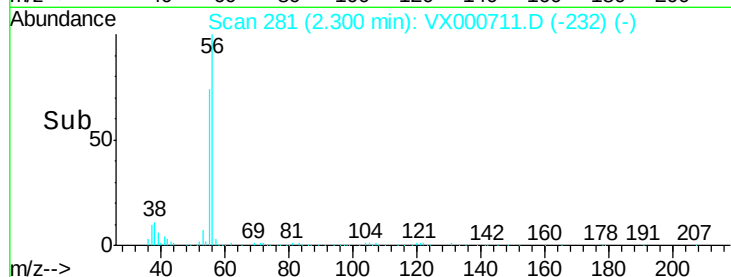
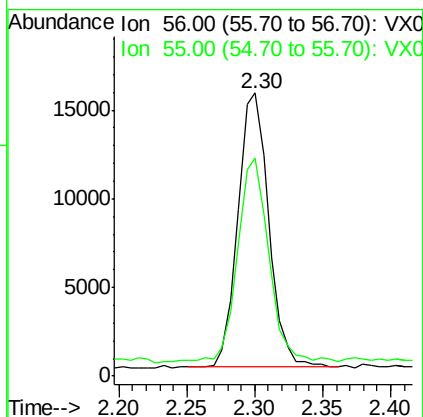
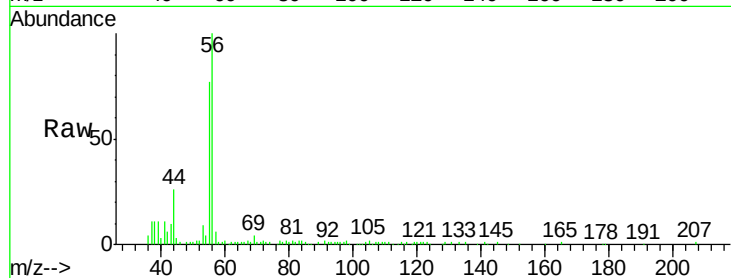
55 75.0 57.4 86.2

Manual Integrations

APPROVED

sam

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#14

Allyl chloride

Concen: 20.714 ug/l

RT: 2.73 min Scan# 352

Delta R.T. -0.00 min

Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

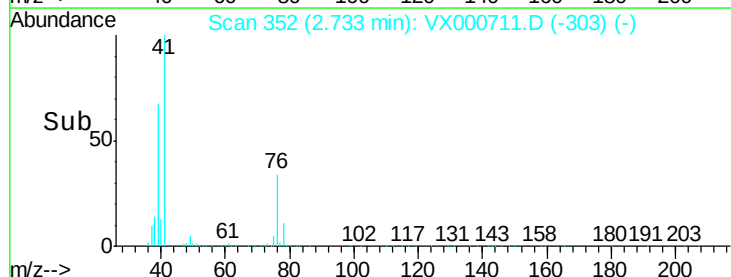
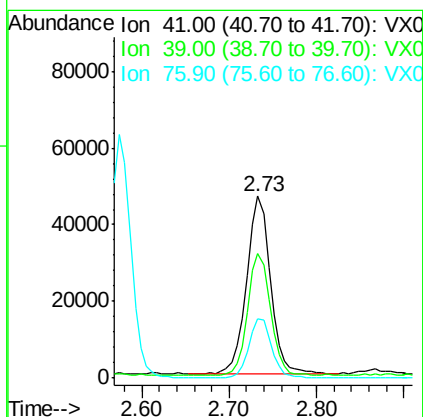
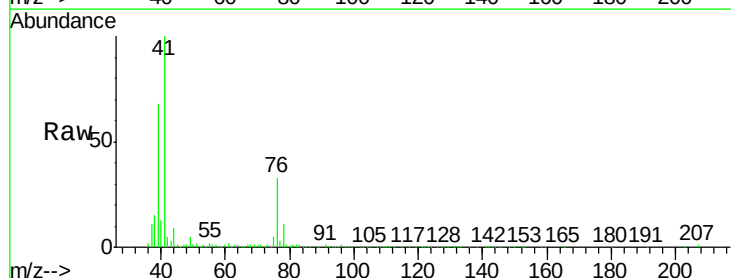
Tgt Ion: 41 Resp: 87911

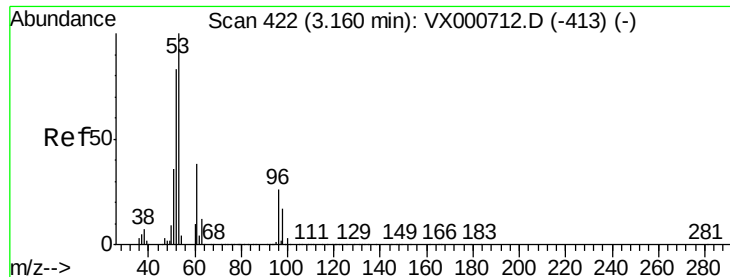
Ion Ratio Lower Upper

41 100

39 65.8 52.4 78.6

76 31.5 25.9 38.9





#15

Acrylonitrile

Concen: 98.931 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

Instrument :

MSVOA_X

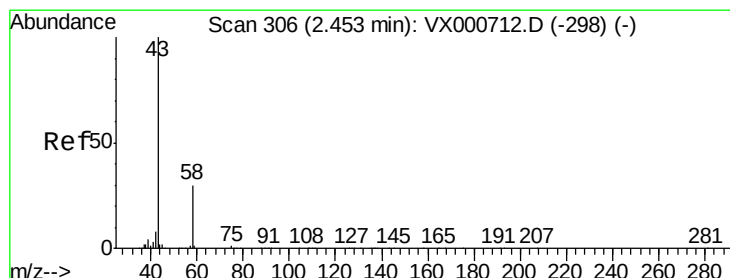
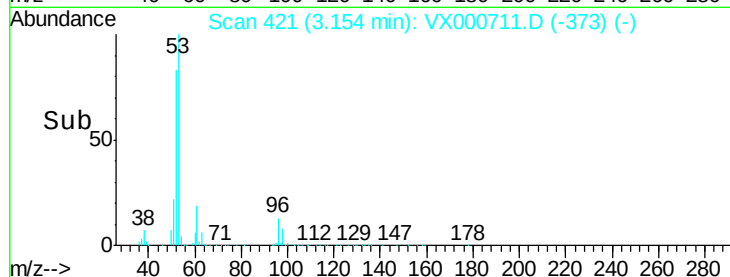
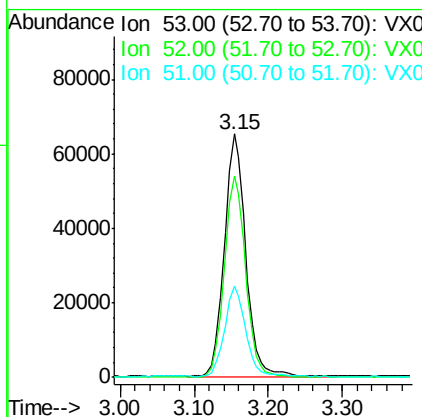
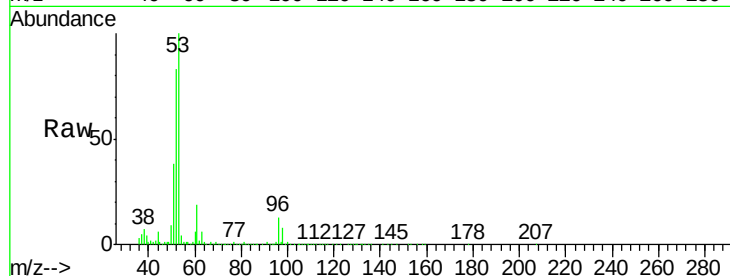
ClientSampled :

VSTDIC020

Tgt Ion:	53	Resp:	130156
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.1	99.1
51	37.3	29.1	43.7

Manual Integrations
APPROVED

sam
4/9/2018 2:02:06 PM



#16

Acetone

Concen: 103.987 ug/l

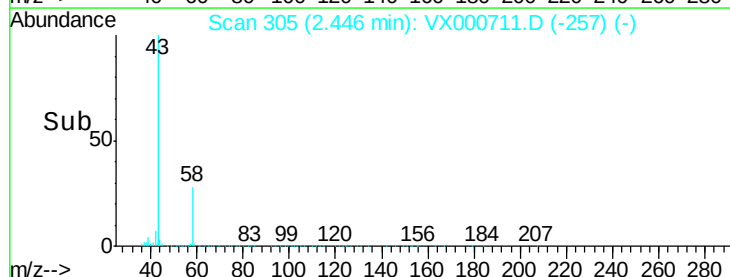
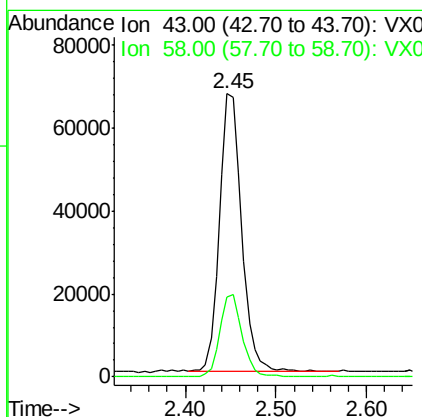
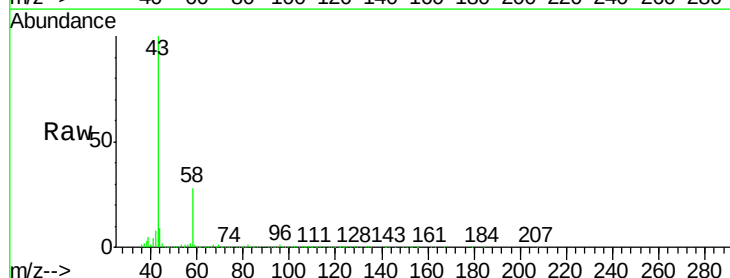
RT: 2.45 min Scan# 305

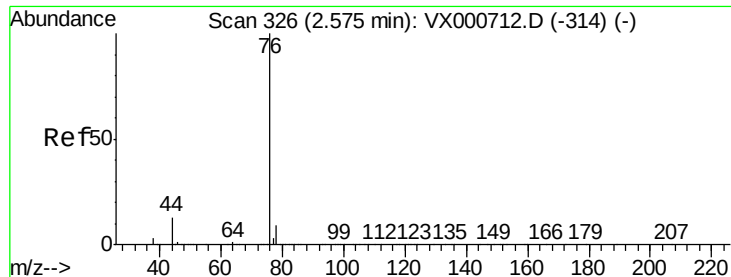
Delta R.T. -0.01 min

Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

Tgt Ion:	43	Resp:	114838
Ion	Ratio	Lower	Upper
43	100		
58	28.3	24.0	36.0





#17

Carbon Disulfide

Concen: 20.535 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 103699

Ion Ratio Lower Upper

76 100

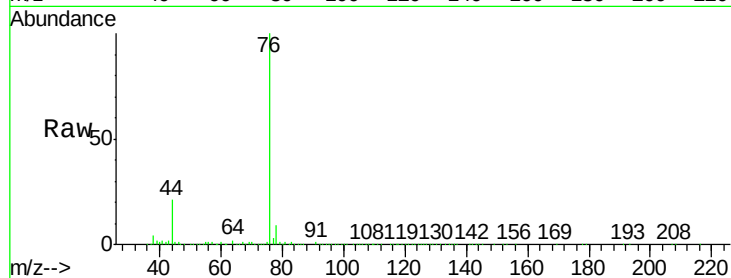
78 9.2 7.1 10.7

Manual Integrations

APPROVED

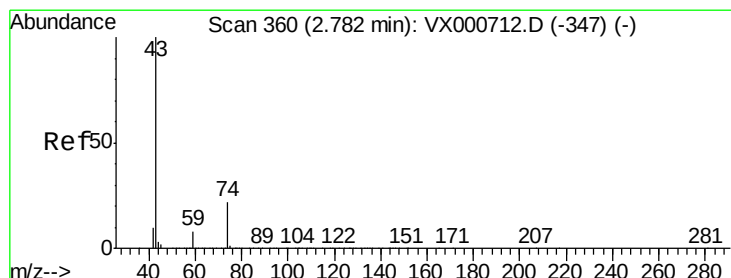
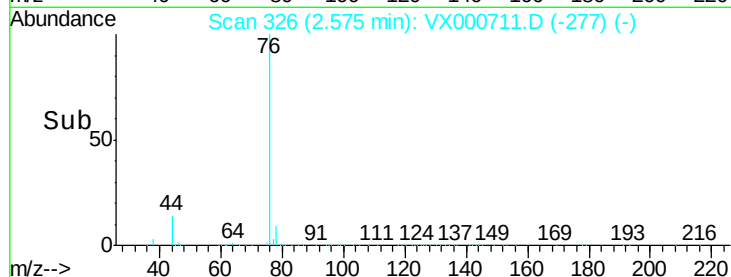
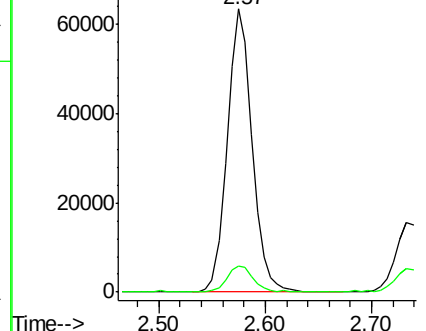
sam

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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: 20.002 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX000711.D

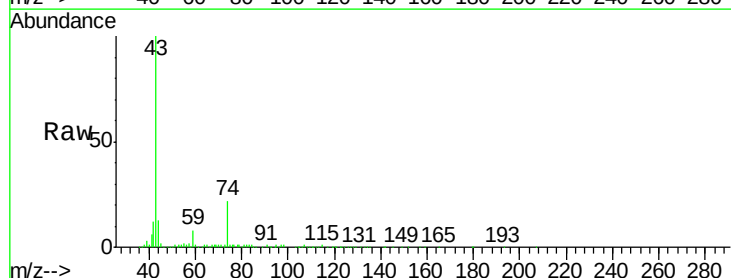
Acq: 07 Apr 2018 12:14

Tgt Ion: 43 Resp: 70311

Ion Ratio Lower Upper

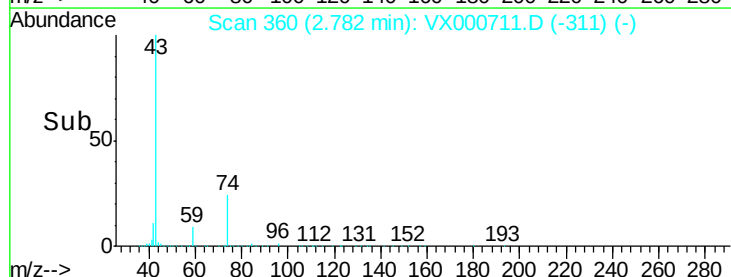
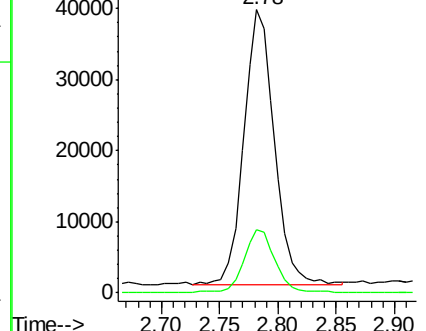
43 100

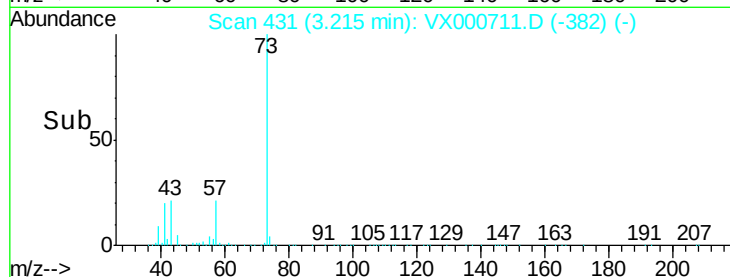
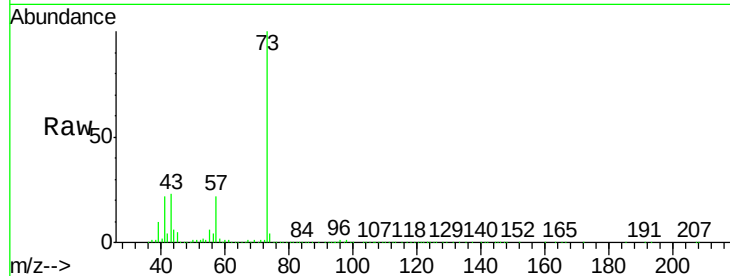
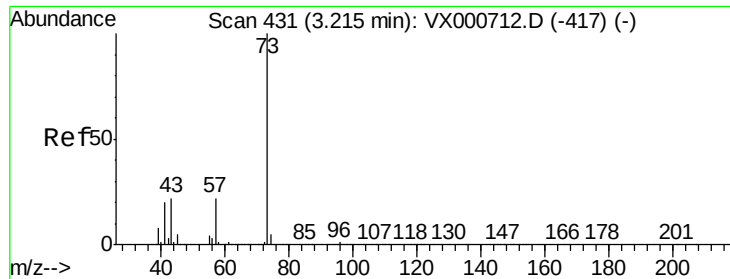
74 24.0 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

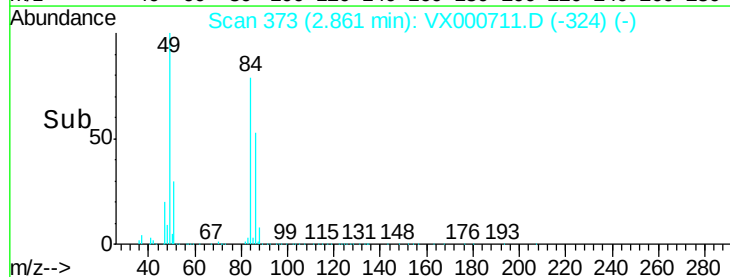
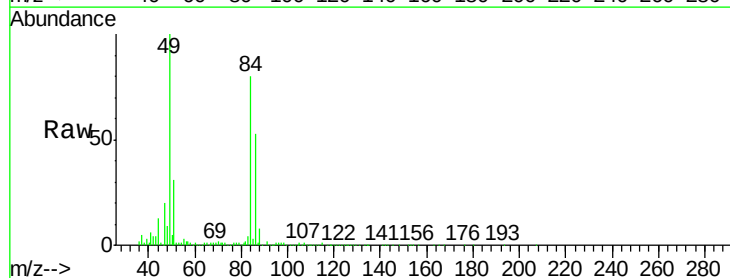
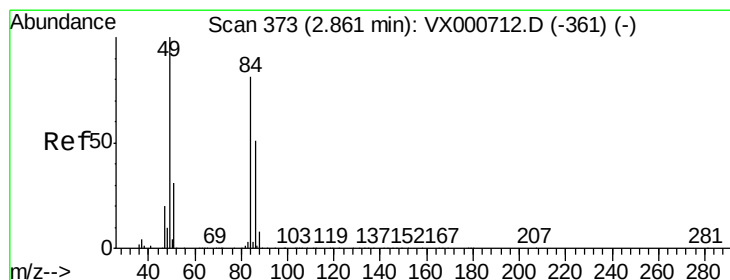
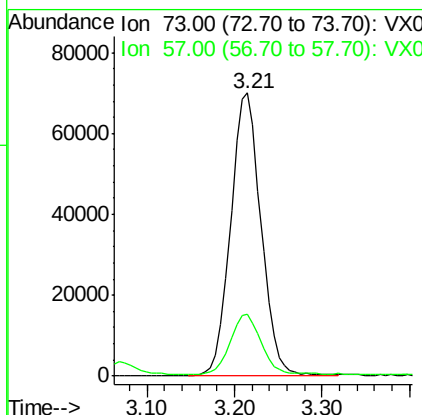
Methyl tert-butyl Ether
Concen: 20.480 ug/l
RT: 3.21 min Scan# 431
Delta R.T. -0.00 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Tgt Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.3	25.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Manual Integrations
APPROVED

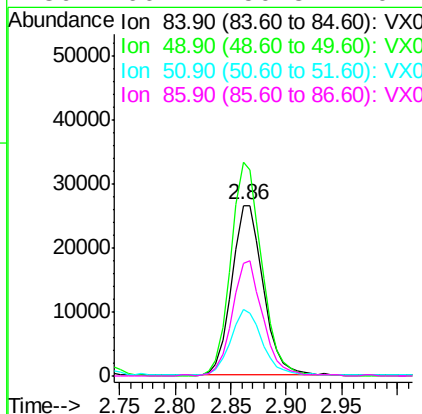
sam
4/9/2018 2:02:06 PM

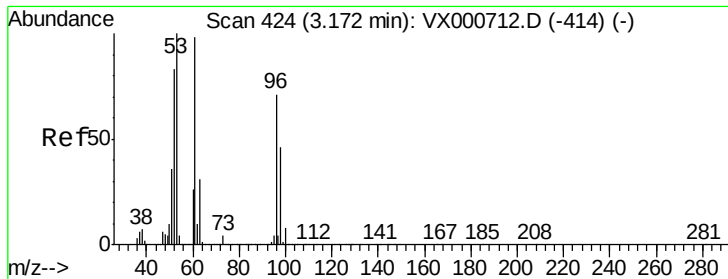


#20

Methylene Chloride
Concen: 21.415 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.9	98.6	148.0
51	38.4	30.8	46.2
86	66.1	50.8	76.2





#21

trans-1,2-Dichloroethene

Concen: 20.401 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

Instrument :

MSVOA_X

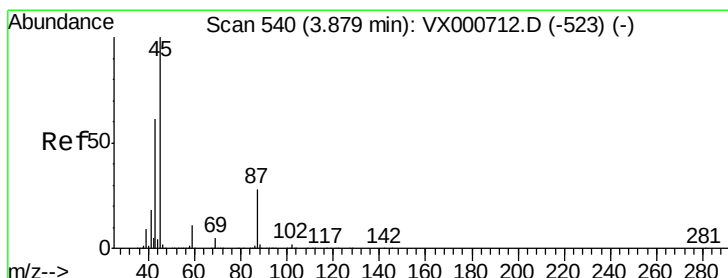
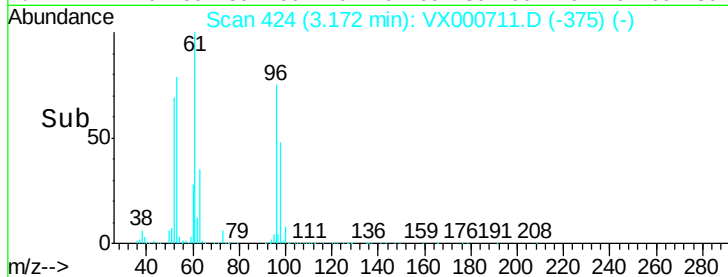
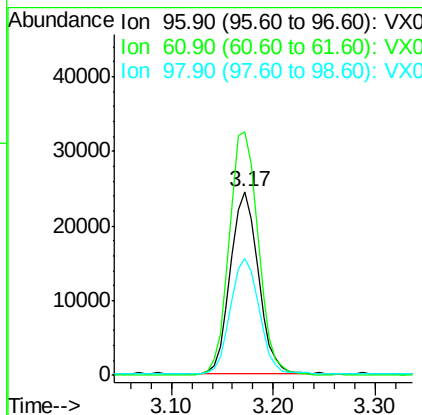
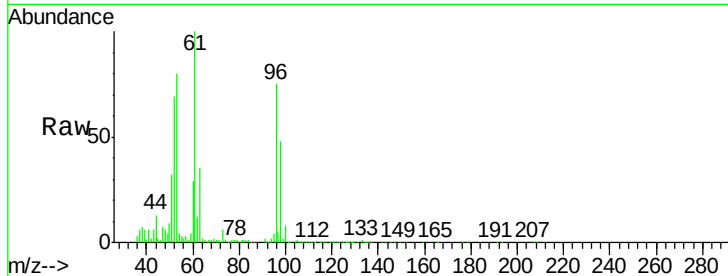
ClientSampleId :

VSTDIC020

Tgt Ion:	96	Resp:	46457
Ion	Ratio	Lower	Upper
96	100		
61	133.0	109.8	164.6
98	63.4	51.5	77.3

Manual Integrations
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sam
4/9/2018 2:02:06 PM



#22

Diisopropyl ether

Concen: 20.361 ug/l

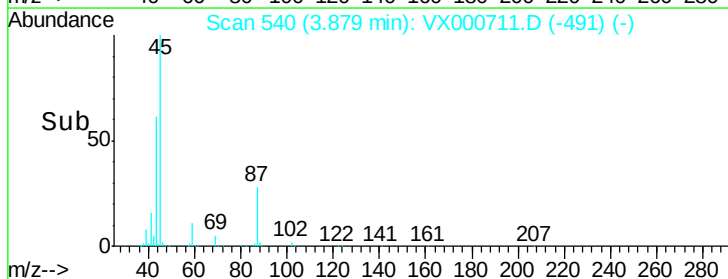
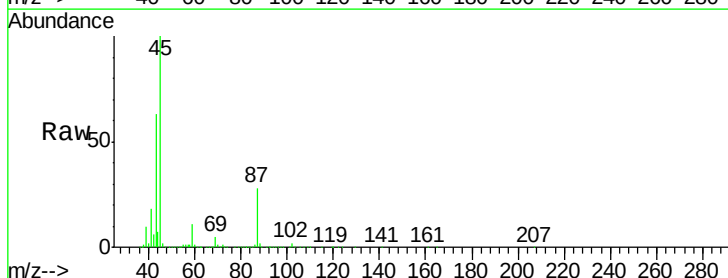
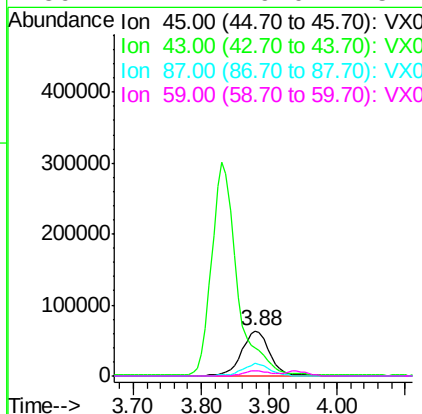
RT: 3.88 min Scan# 540

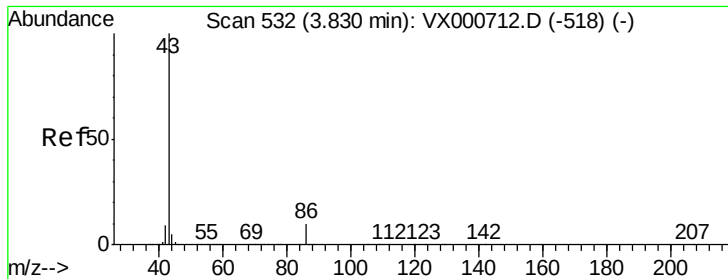
Delta R.T. -0.00 min

Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

Tgt Ion:	45	Resp:	177789
Ion	Ratio	Lower	Upper
45	100		
43	60.9	49.2	73.8
87	27.7	22.7	34.1
59	11.4	9.0	13.4





#23

Vinyl Acetate

Concen: 102.494 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 778142

Ion Ratio Lower Upper

43 100

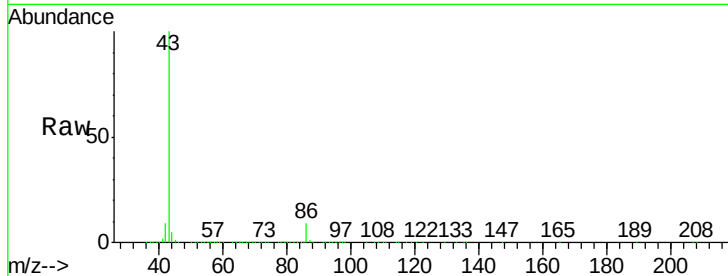
86 9.5 8.0 12.0

Manual Integrations

APPROVED

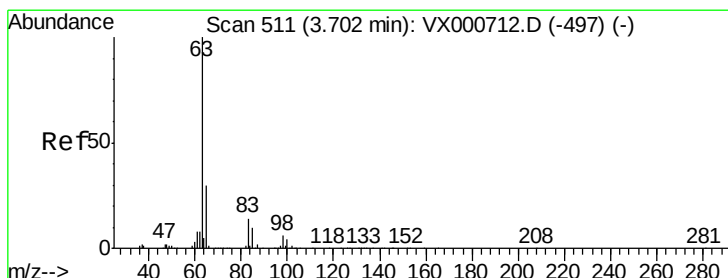
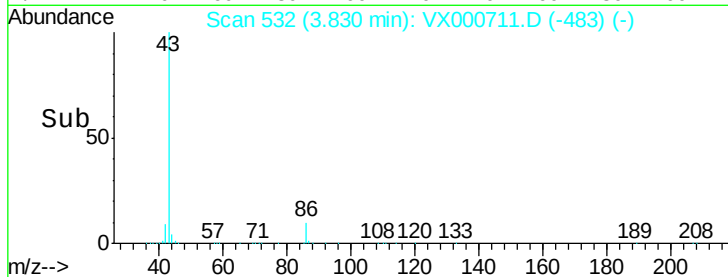
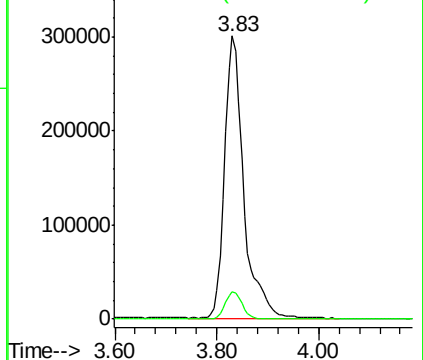
sam

4/9/2018 2:02:06 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.651 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

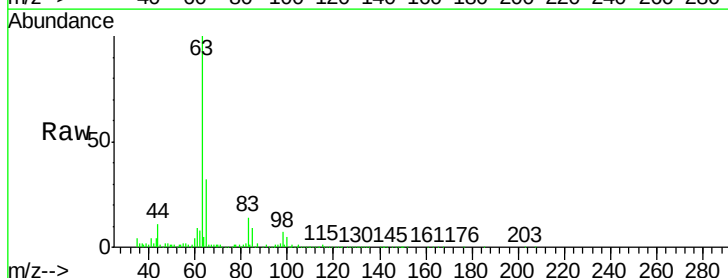
Tgt Ion: 63 Resp: 89335

Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.8

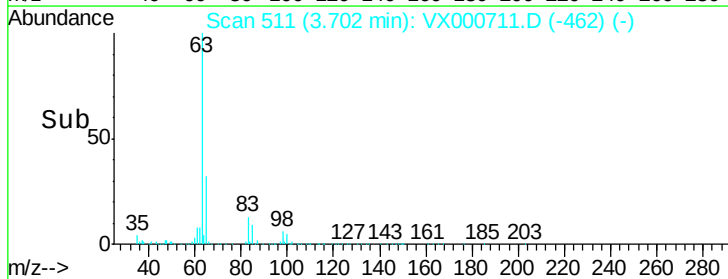
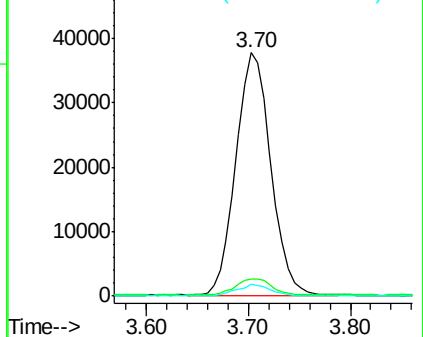
100 5.1 2.1 6.3

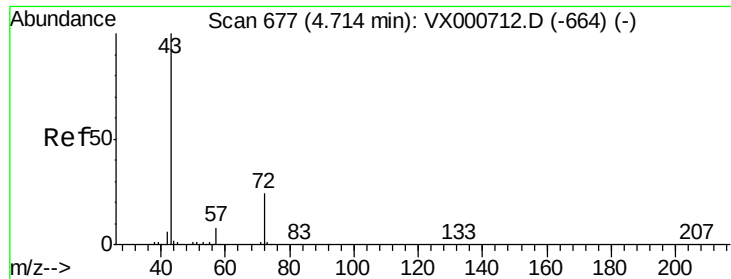


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 100.199 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 203876

Ion Ratio Lower Upper

43 100

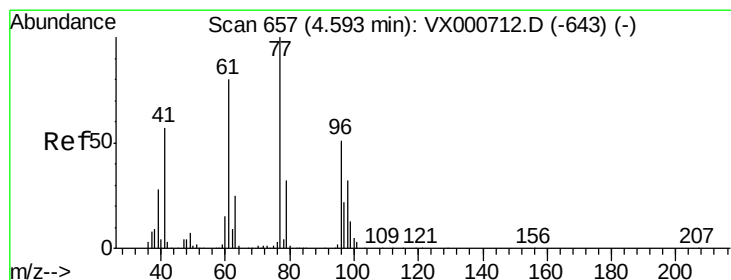
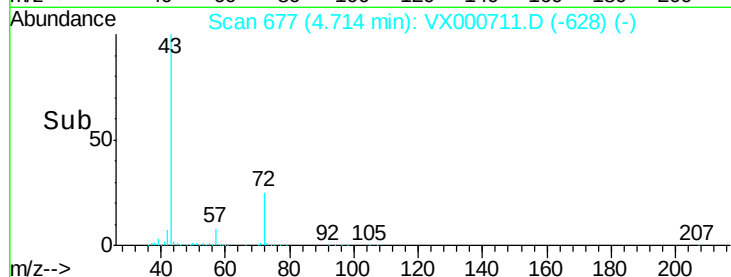
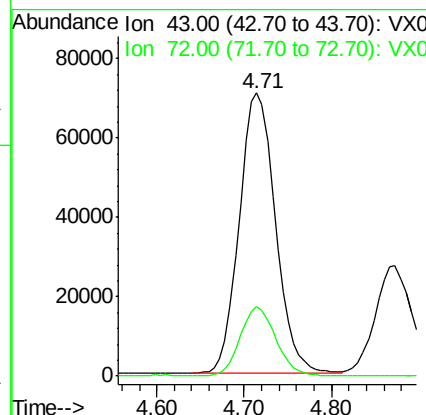
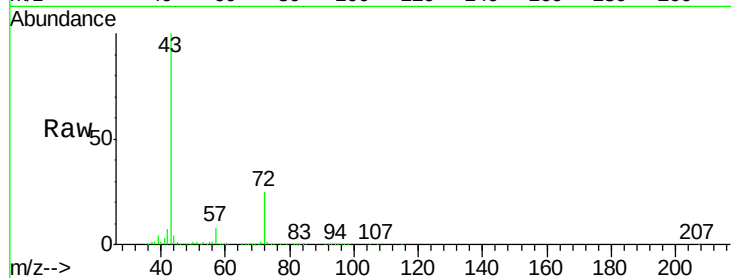
72 24.6 19.0 28.4

Manual Integrations

APPROVED

sam

4/9/2018 2:02:06 PM



#26

2,2-Dichloropropane

Concen: 20.697 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX000711.D

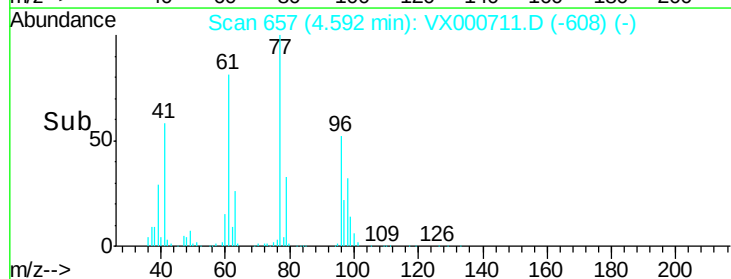
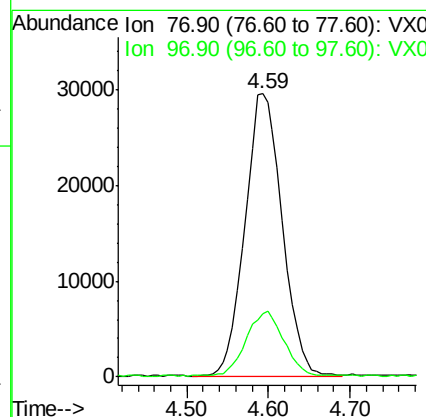
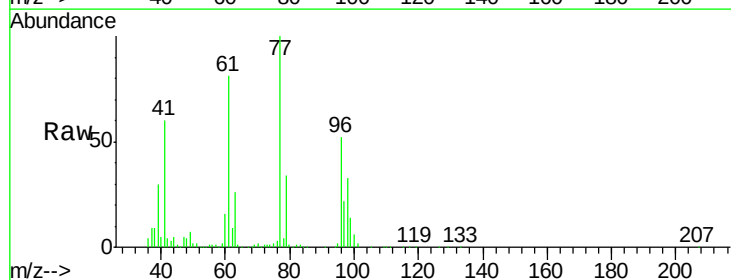
Acq: 07 Apr 2018 12:14

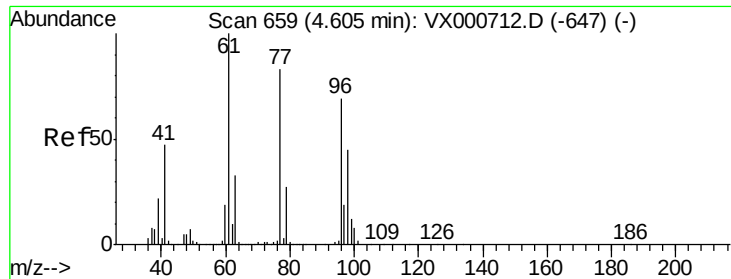
Tgt Ion: 77 Resp: 93473

Ion Ratio Lower Upper

77 100

97 22.6 11.3 33.9





#27

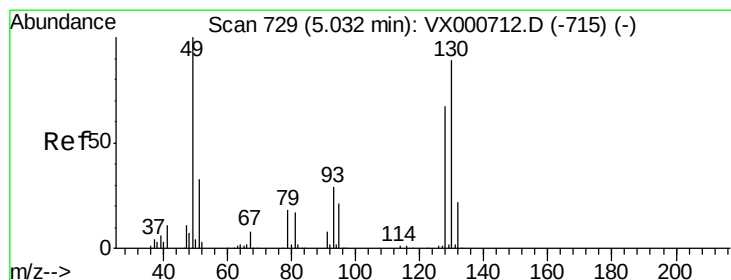
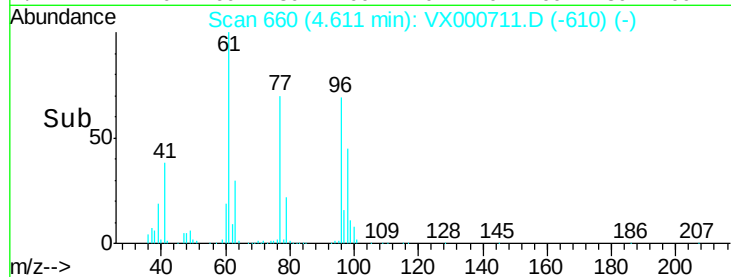
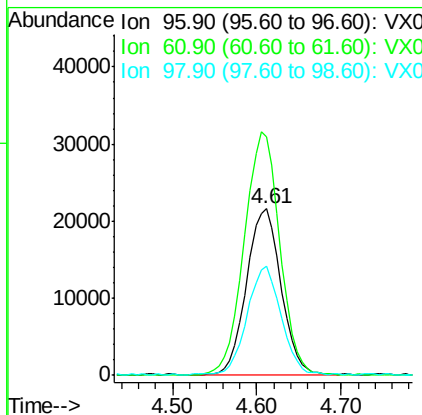
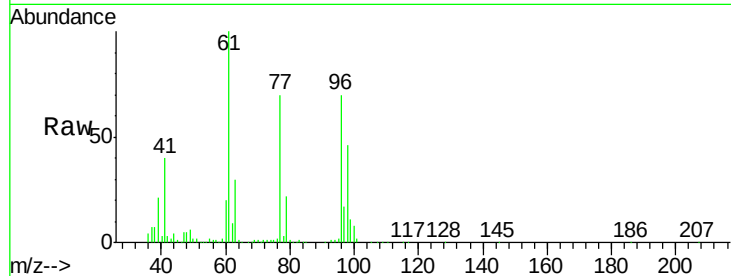
cis-1,2-Dichloroethene
Concen: 20.528 ug/l
RT: 4.61 min Scan# 660
Delta R.T. 0.01 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	60053		
61	150.9		0.0	301.0
98	63.7		0.0	129.6

Manual Integrations
APPROVED

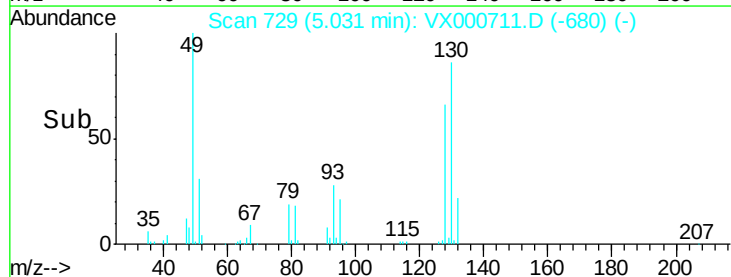
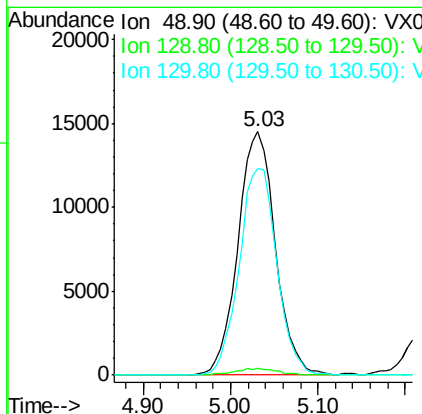
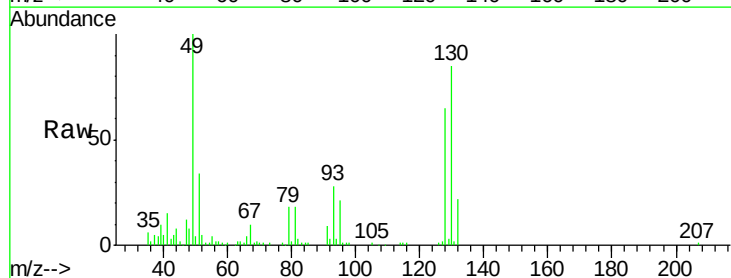
sam
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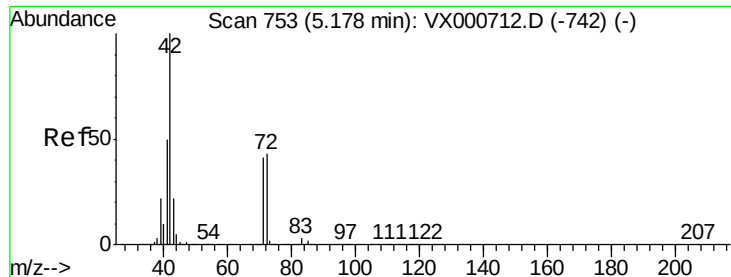


#28

Bromochloromethane
Concen: 21.508 ug/l
RT: 5.03 min Scan# 729
Delta R.T. -0.00 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	43152		
129	3.2		0.0	5.4
130	85.5		69.0	103.4





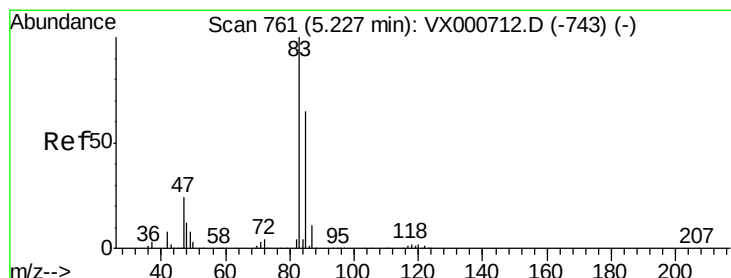
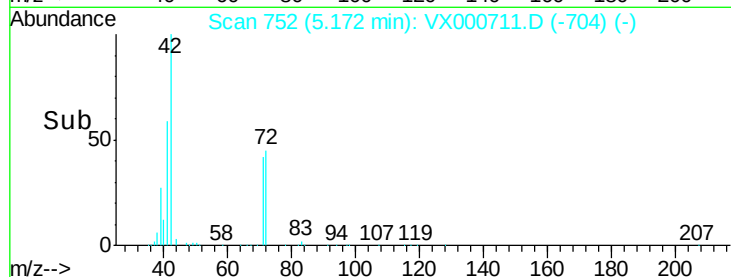
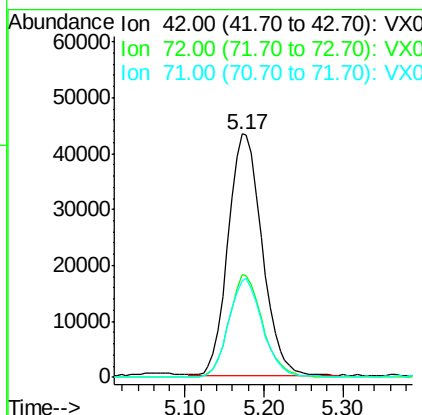
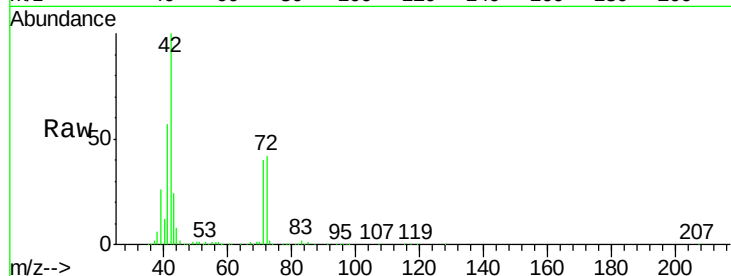
#29
Tetrahydrofuran
Concen: 99.527 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tgt Ion:	42	Resp:	129189
Ion	Ratio	Lower	Upper
42	100		
72	42.0	34.4	51.6
71	40.0	32.0	48.0

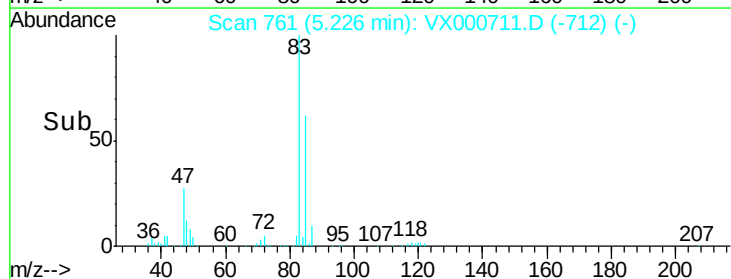
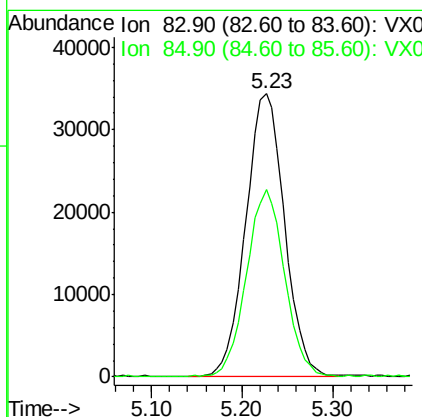
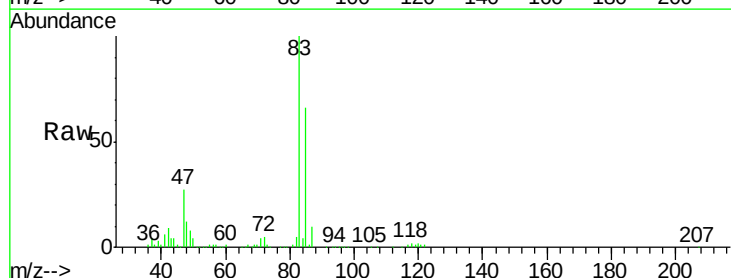
Manual Integrations
APPROVED

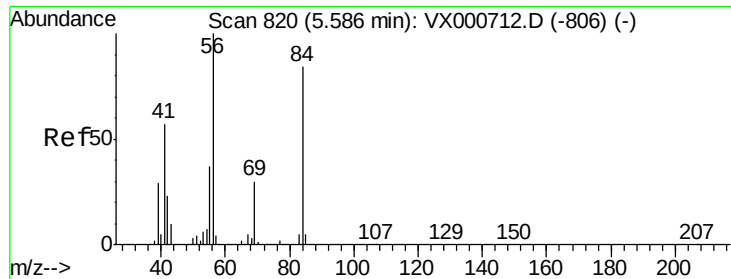
sam
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#30
Chloroform
Concen: 20.696 ug/l
RT: 5.23 min Scan# 761
Delta R.T. -0.00 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Tgt Ion:	83	Resp:	101103
Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.3	78.5





#31

Cyclohexane

Concen: 20.895 ug/l

RT: 5.59 min Scan# 820

Delta R.T. -0.00 min

Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

Instrument :

MSVOA_X

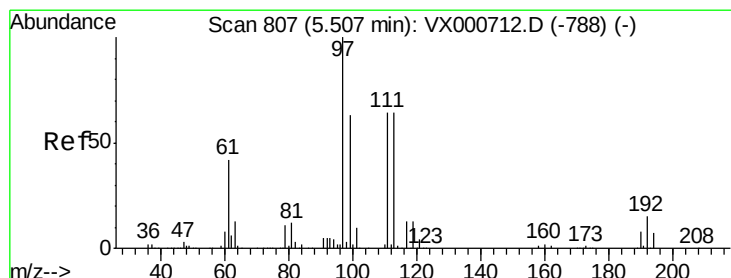
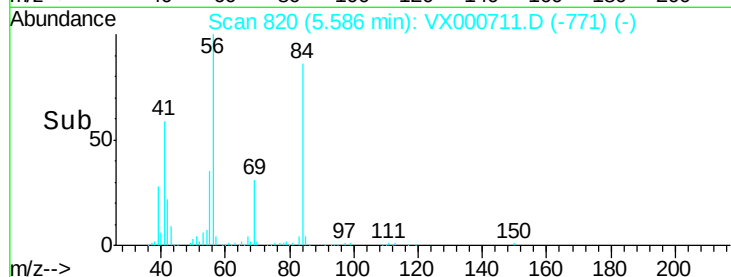
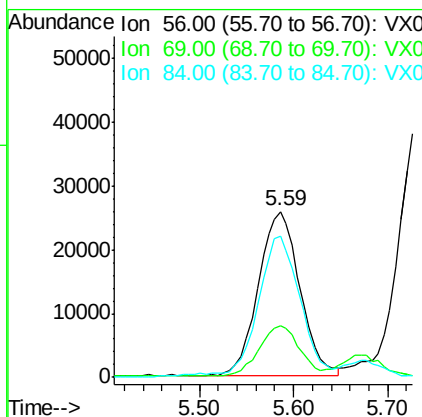
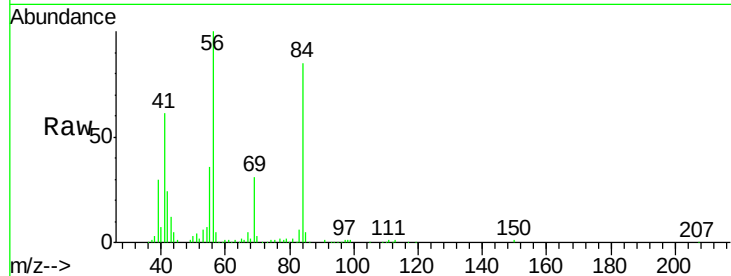
ClientSampled :

VSTDIC020

Tgt Ion:	56	Resp:	79294
Ion	Ratio	Lower	Upper
56	100		
69	30.6	23.8	35.6
84	84.3	67.4	101.2

Manual Integrations
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sam
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#32

1,1,1-Trichloroethane

Concen: 20.629 ug/l

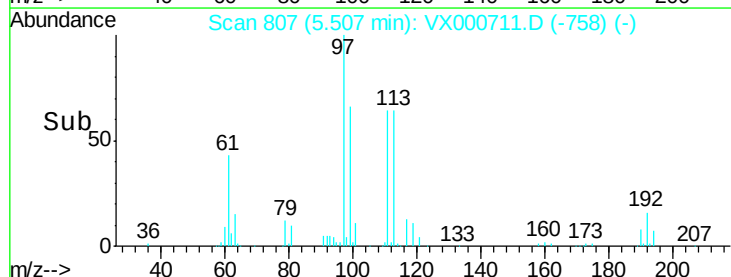
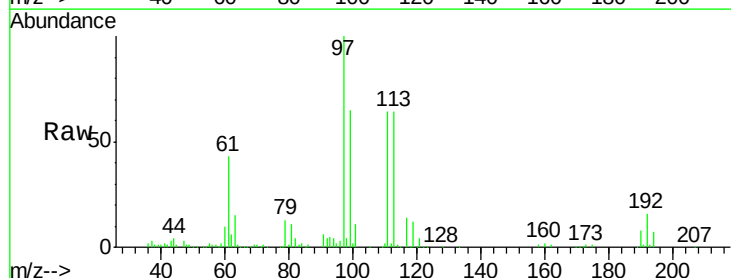
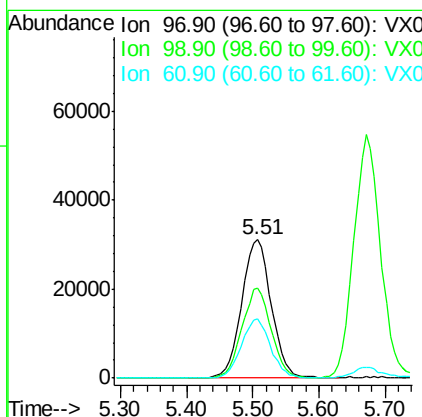
RT: 5.51 min Scan# 807

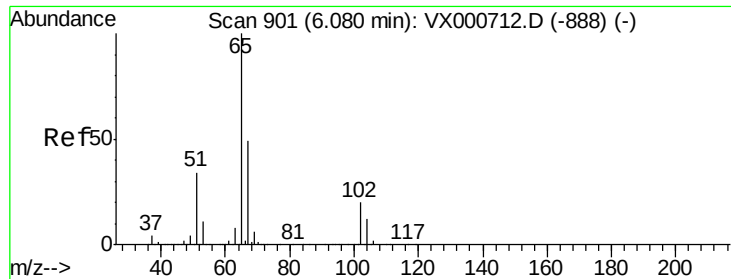
Delta R.T. -0.00 min

Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

Tgt Ion:	97	Resp:	96037
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.2
61	42.6	34.2	51.4





#33

1,2-Dichloroethane-d4

Concen: 20.842 ug/l

RT: 6.08 min Scan# 901

Delta R.T. -0.00 min

Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 65 Resp: 73292

Ion Ratio Lower Upper

65 100

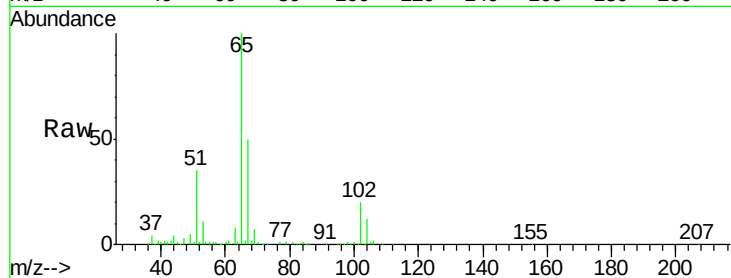
67 51.3 0.0 102.6

Manual Integrations

APPROVED

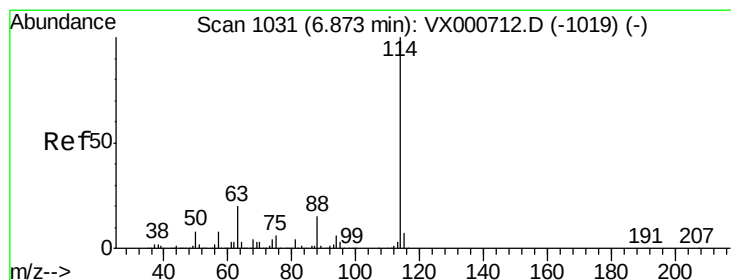
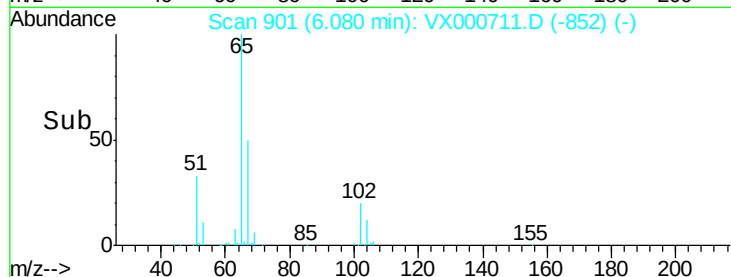
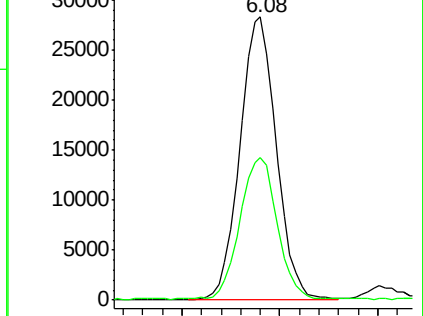
sam

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

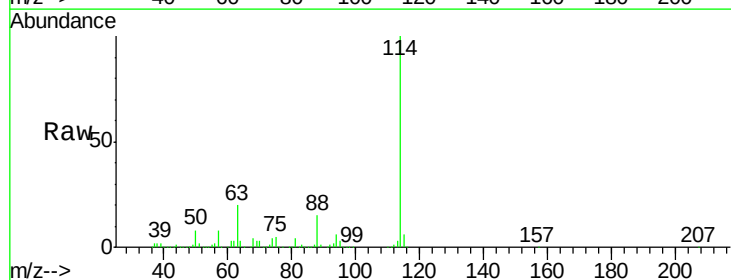
Tgt Ion: 114 Resp: 447889

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.6

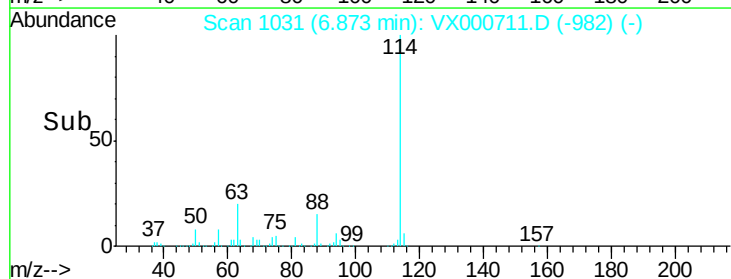
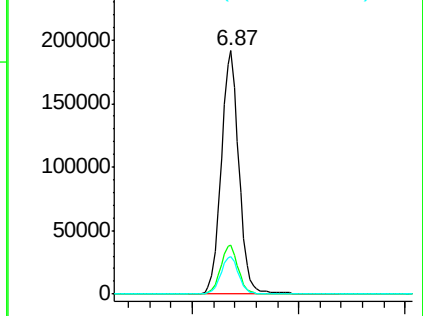
88 15.3 0.0 30.6

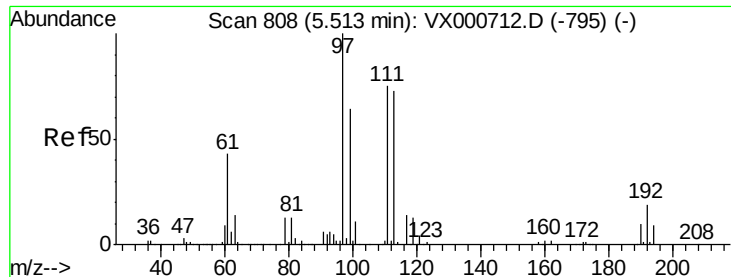


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





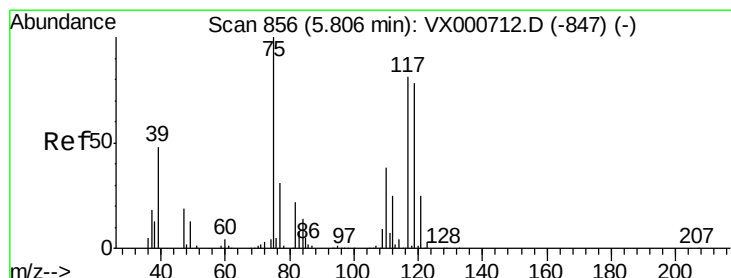
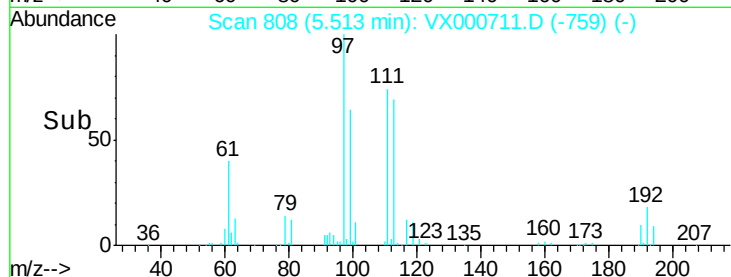
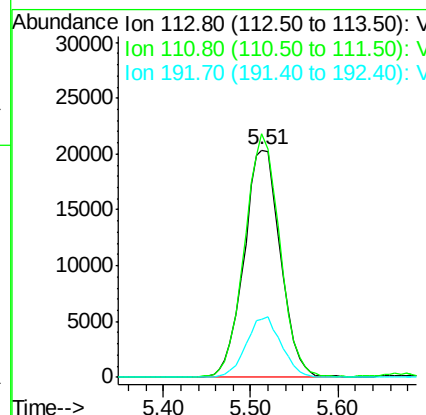
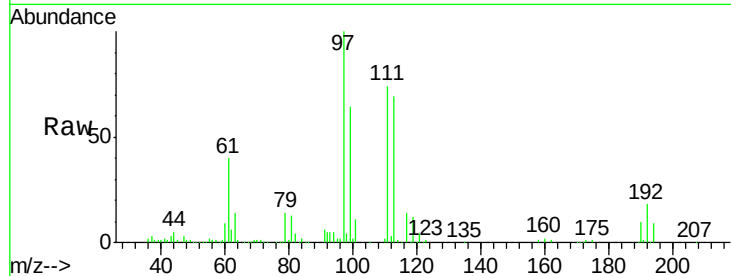
#35
Dibromofluoromethane
Concen: 20.117 ug/l
RT: 5.51 min Scan# 808
Delta R.T. -0.00 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	58853		
111	103.3	81.5	122.3	
192	25.6	20.0	30.0	

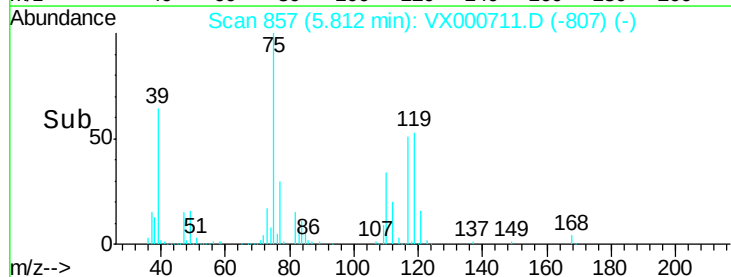
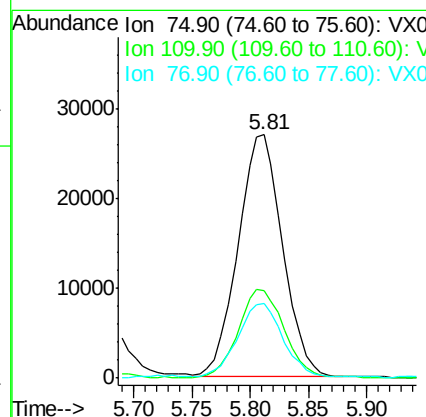
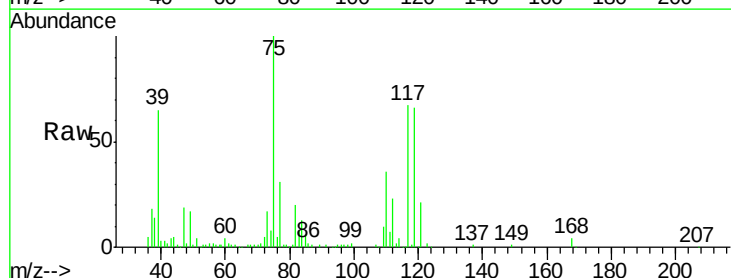
Manual Integrations
APPROVED

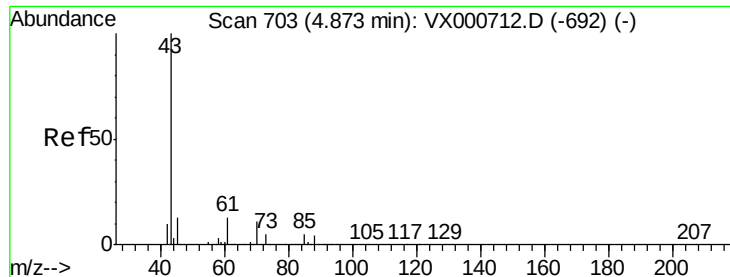
sam
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#36
1,1-Dichloropropene
Concen: 20.224 ug/l
RT: 5.81 min Scan# 857
Delta R.T. 0.01 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	71754		
110	38.1	18.6	56.0	
77	30.6	24.6	37.0	





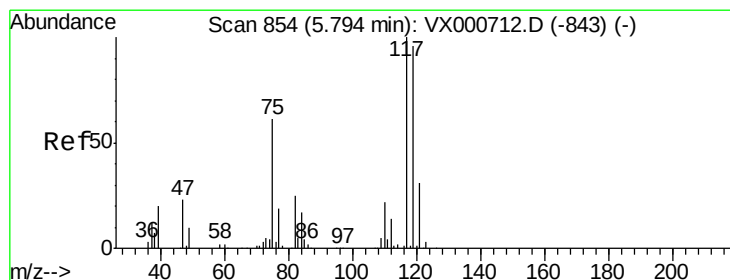
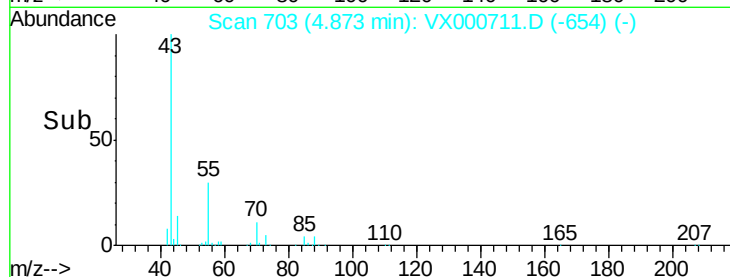
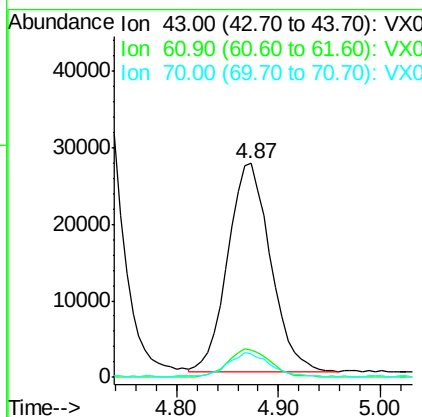
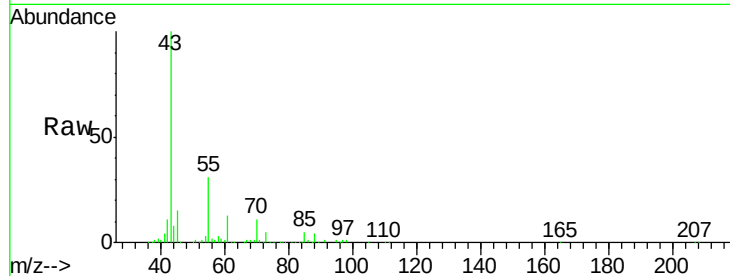
#37
Ethyl Acetate
Concen: 19.694 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.5	15.7
70	10.9	8.4	12.6

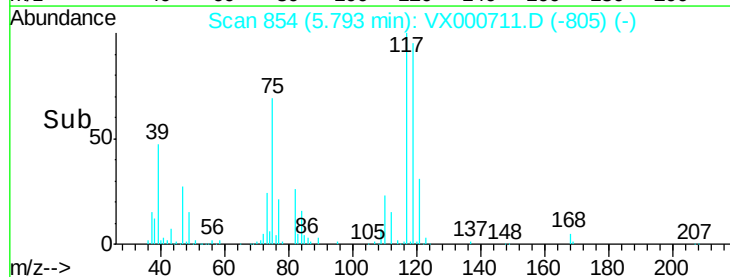
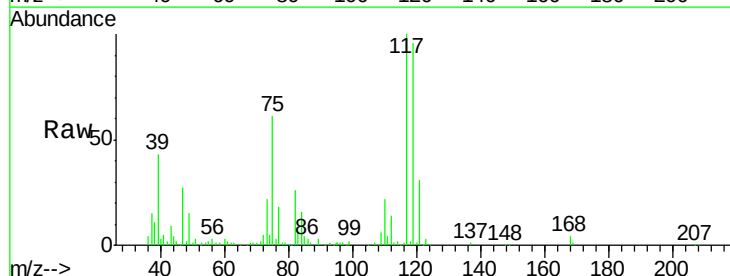
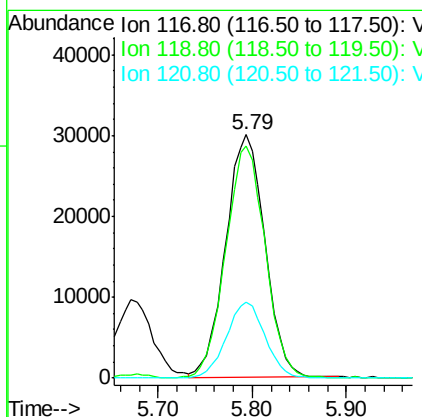
Manual Integrations
APPROVED

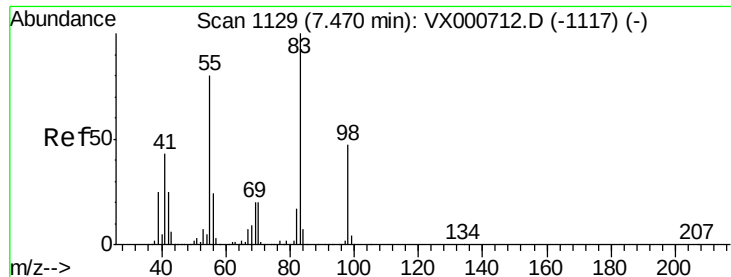
sam
4/9/2018 2:02:06 PM



#38
Carbon Tetrachloride
Concen: 20.221 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.00 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.7	115.1
121	31.2	24.7	37.1





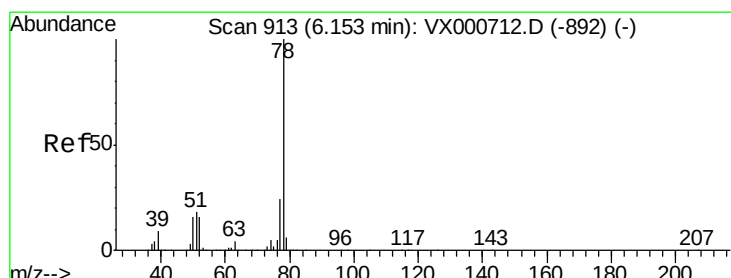
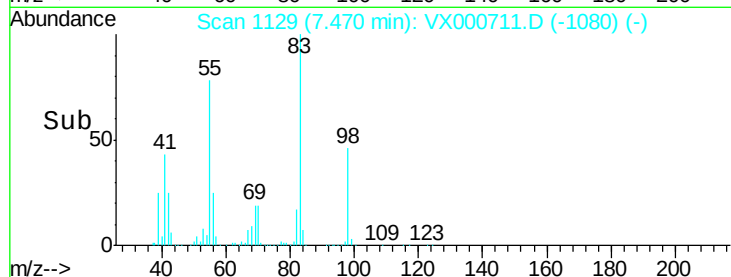
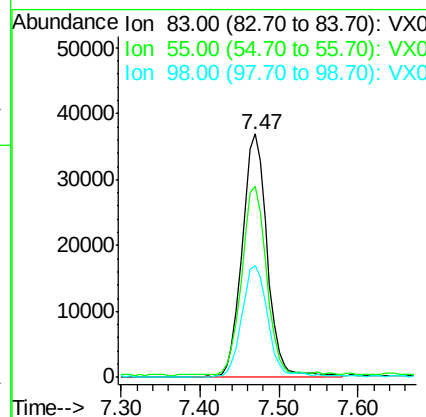
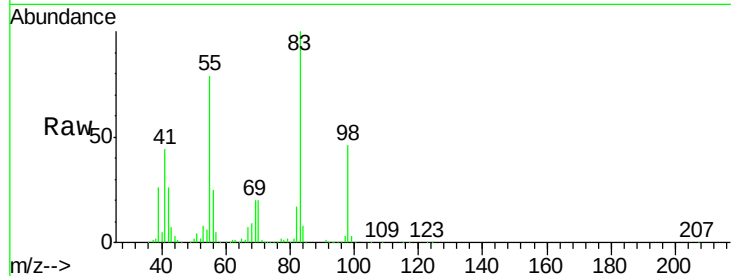
#39
Methylcyclohexane
Concen: 19.969 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.8	63.7	95.5
98	45.7	37.2	55.8

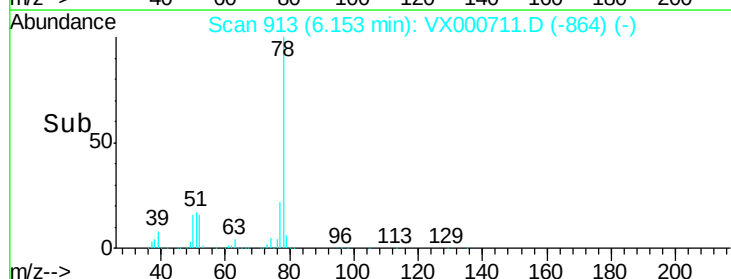
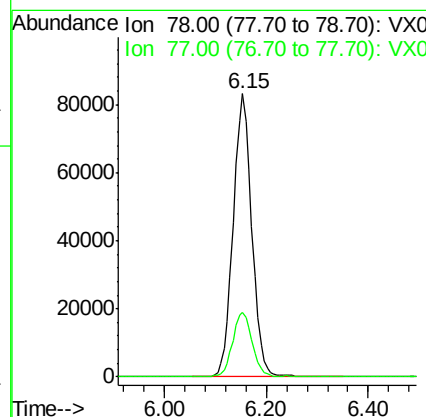
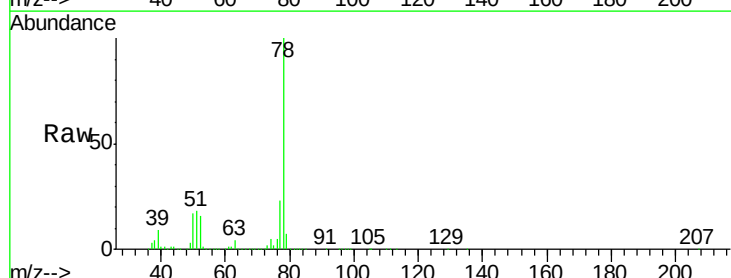
Manual Integrations
APPROVED

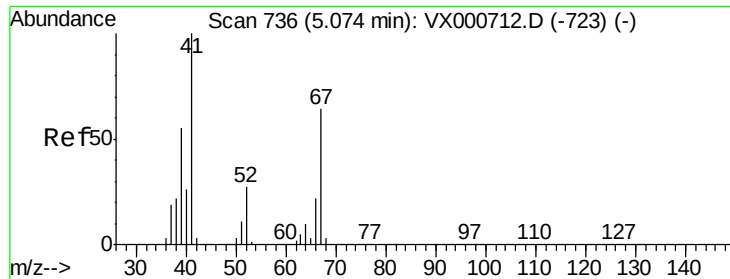
sam
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#40
Benzene
Concen: 20.459 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.0	28.4





#41

Methacrylonitrile

Concen: 19.826 ug/l

RT: 5.07 min Scan# 736

Delta R.T. -0.00 min

Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

Instrument :

MSVOA_X

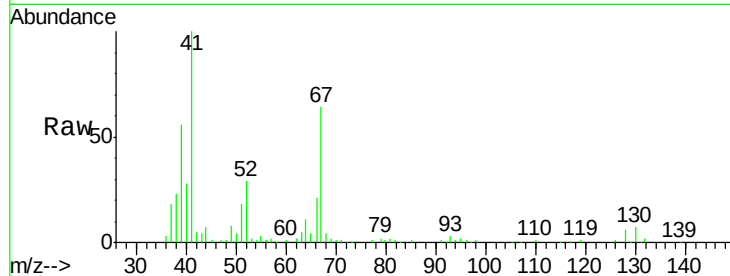
ClientSampled :

VSTDIC020

Tgt Ion:	41	Resp:	47044
Ion Ratio	Lower	Upper	
41	100		
39	58.1	45.3	67.9
67	66.3	52.7	79.1
52	28.3	22.3	33.5

Manual Integrations
APPROVED

sam
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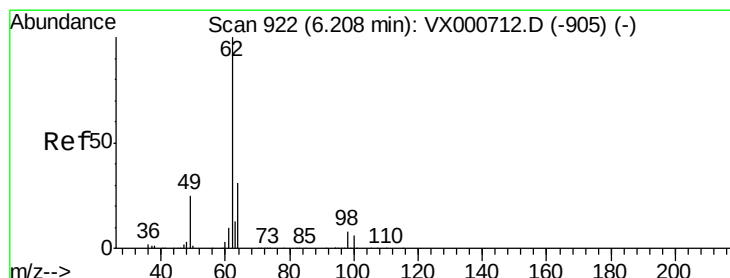
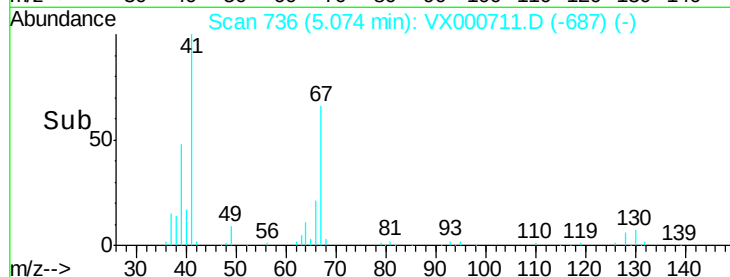
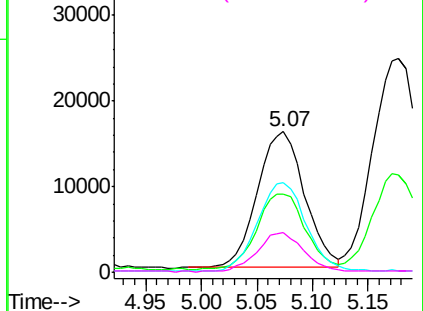


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 20.541 ug/l

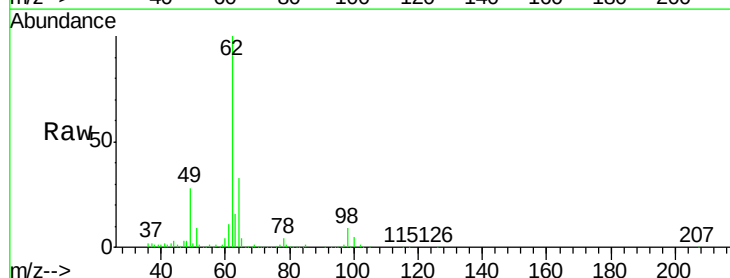
RT: 6.21 min Scan# 922

Delta R.T. -0.00 min

Lab File: VX000711.D

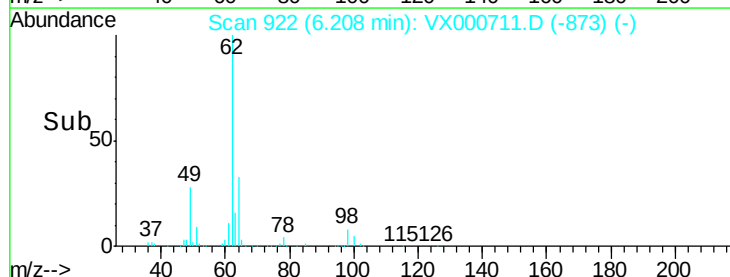
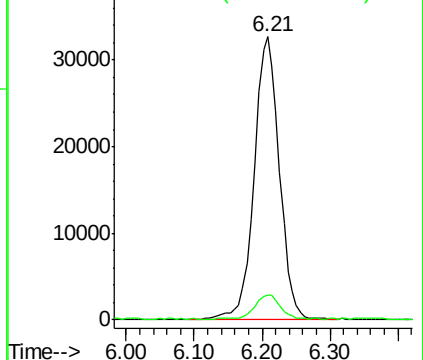
Acq: 07 Apr 2018 12:14

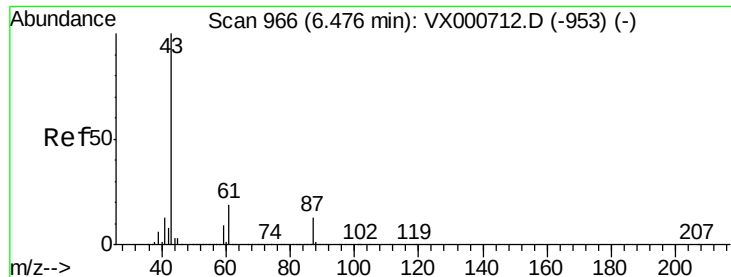
Tgt Ion:	62	Resp:	84600
Ion Ratio	Lower	Upper	
62	100		
98	8.6	0.0	17.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

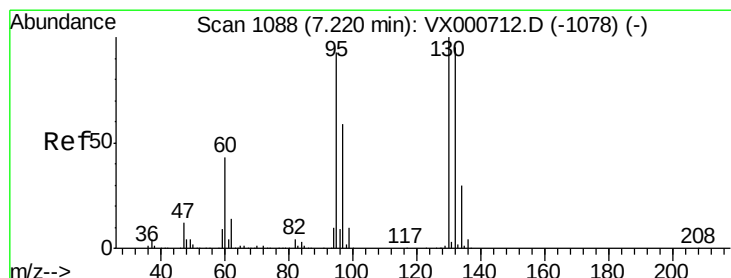
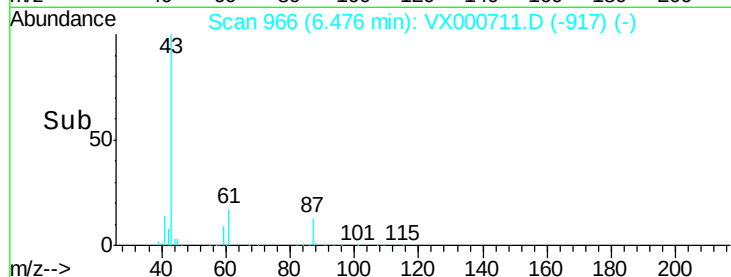
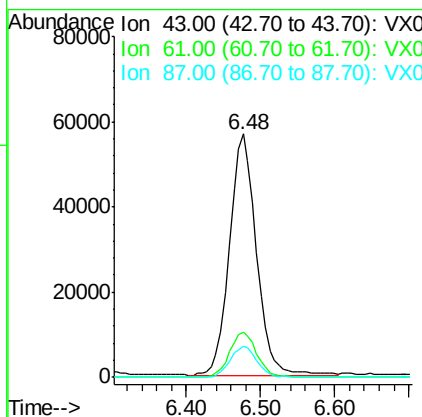
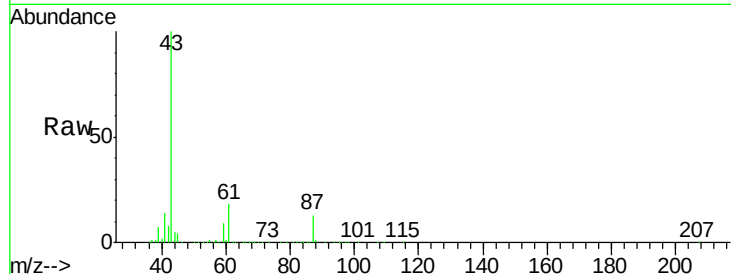
Isopropyl Acetate
 Concen: 20.256 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX000711.D
 Acq: 07 Apr 2018 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.4	23.0
87	12.9	10.4	15.6

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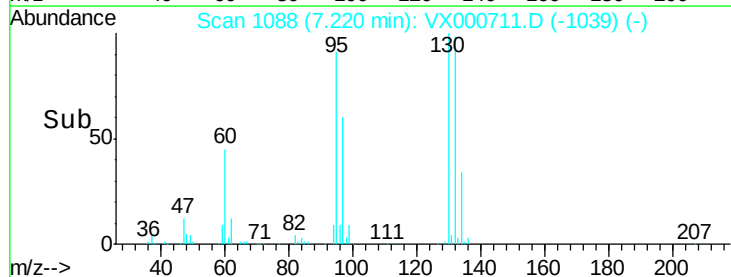
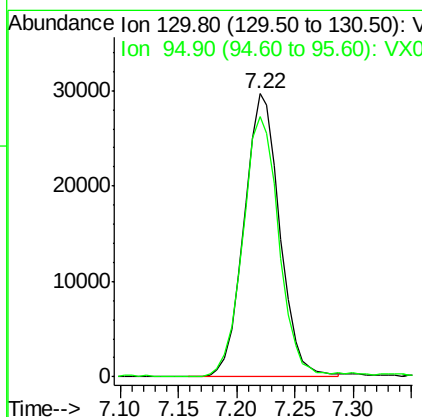
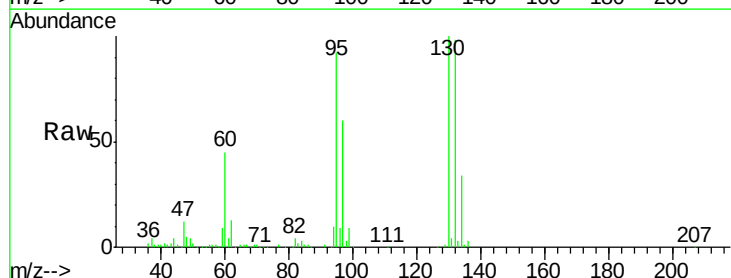
sam
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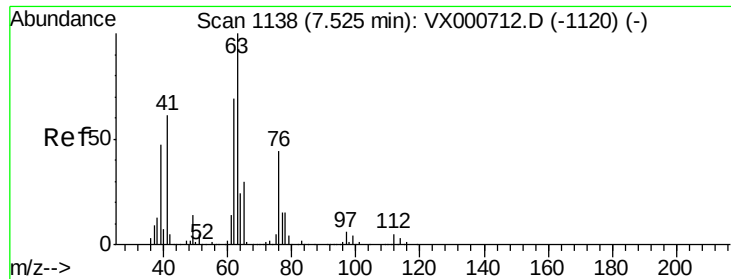


#44

Trichloroethene
 Concen: 19.861 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX000711.D
 Acq: 07 Apr 2018 12:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.6	0.0	185.4





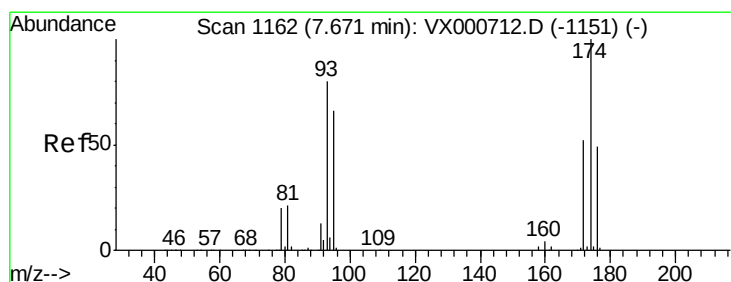
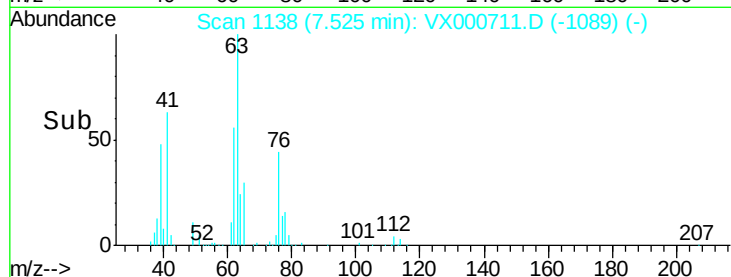
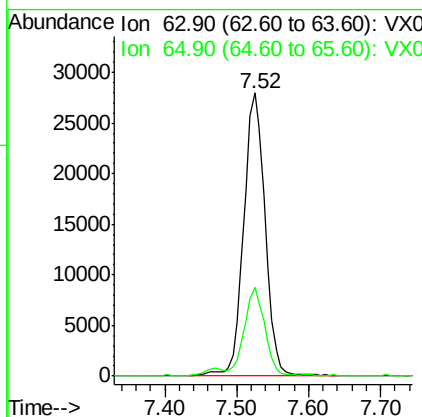
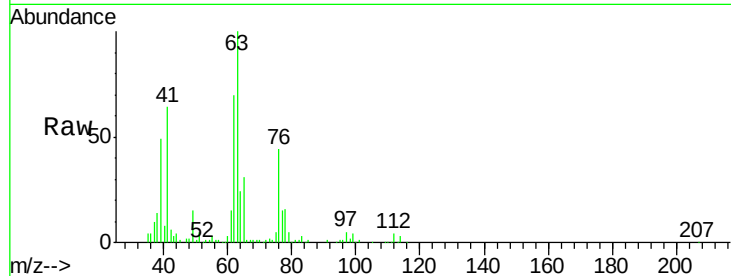
#45
 1,2-Dichloropropane
 Concen: 20.736 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX000711.D
 Acq: 07 Apr 2018 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tgt Ion: 63 Resp: 57831
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.2 36.2

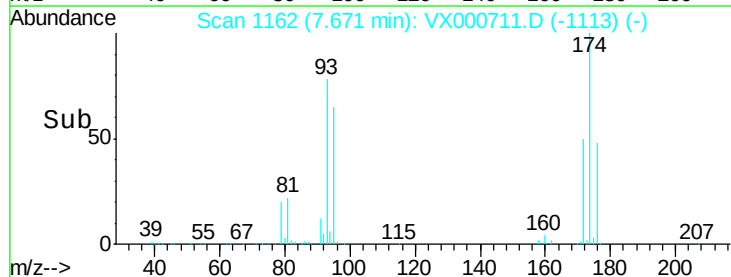
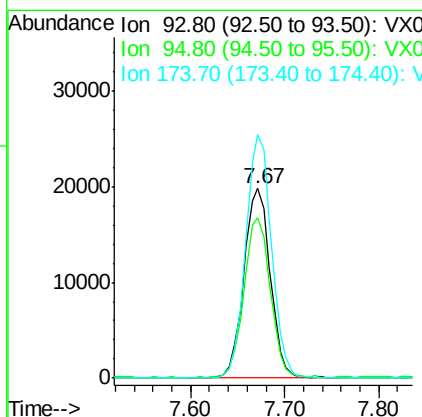
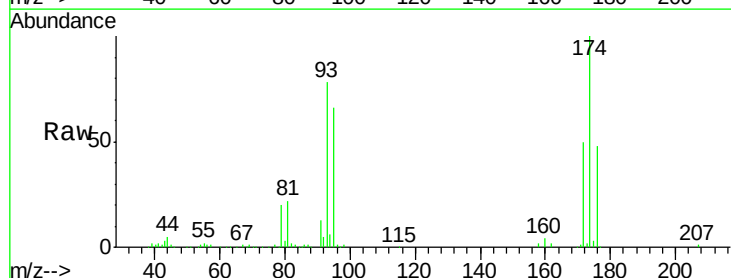
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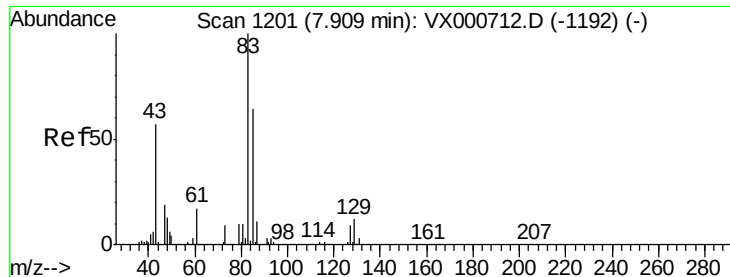
sam
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#46
 Dibromomethane
 Concen: 20.285 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX000711.D
 Acq: 07 Apr 2018 12:14

Tgt Ion: 93 Resp: 38780
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.0 99.0
 174 124.9 100.2 150.2





#47

Bromodichloromethane

Concen: 20.415 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

Instrument :

MSVOA_X

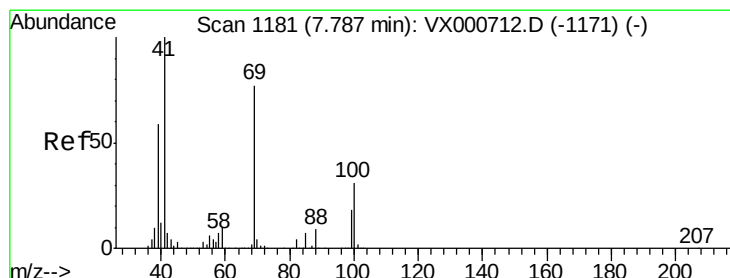
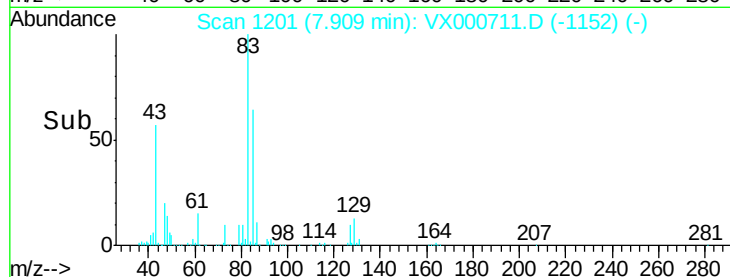
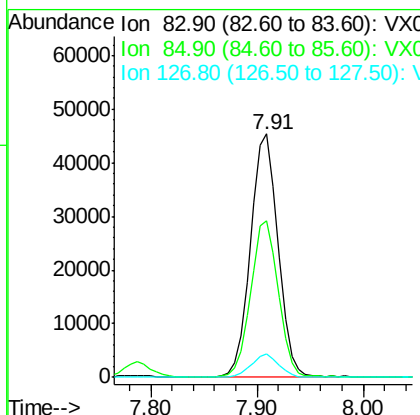
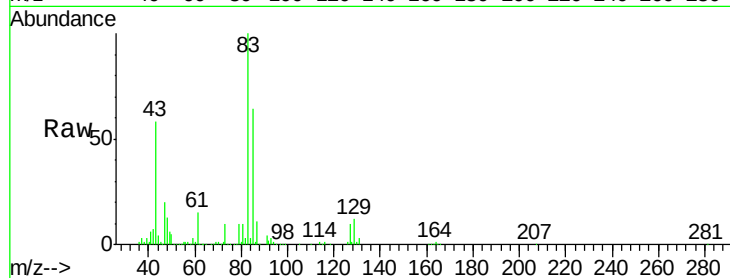
ClientSampleId :

VSTDIC020

Tgt Ion:	83	Resp:	82357
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.0	76.4
127	9.9	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.271 ug/l

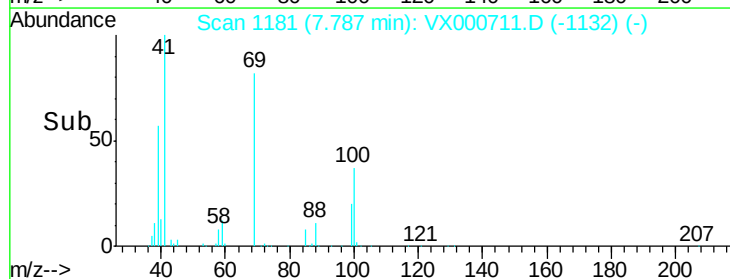
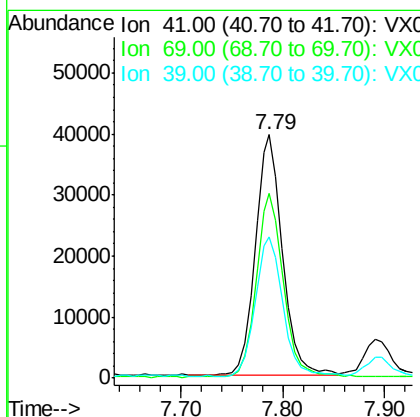
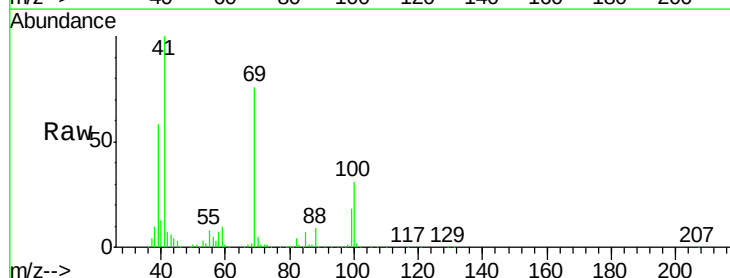
RT: 7.79 min Scan# 1181

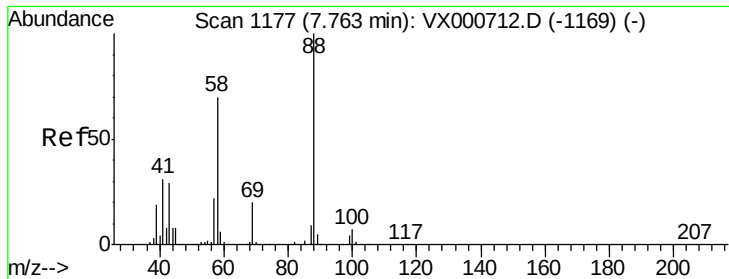
Delta R.T. -0.00 min

Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

Tgt Ion:	41	Resp:	73599
Ion	Ratio	Lower	Upper
41	100		
69	76.0	62.0	93.0
39	58.6	47.0	70.4





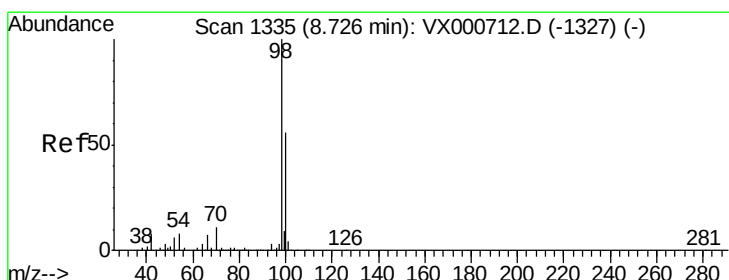
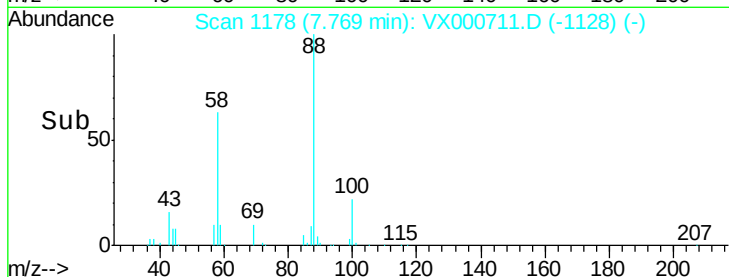
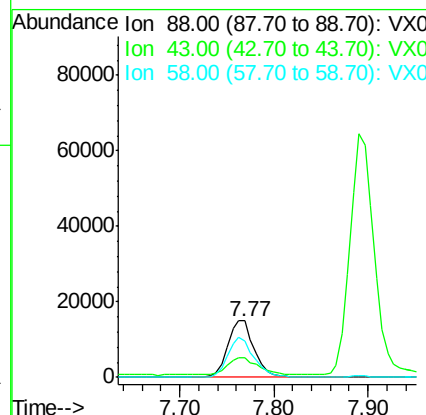
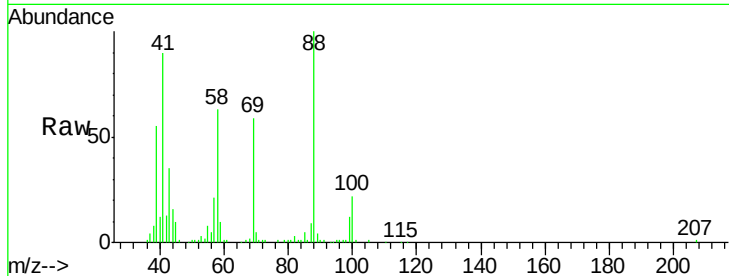
#49
1,4-Dioxane
Concen: 396.262 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.4	27.9	41.9
58	71.7	57.0	85.4

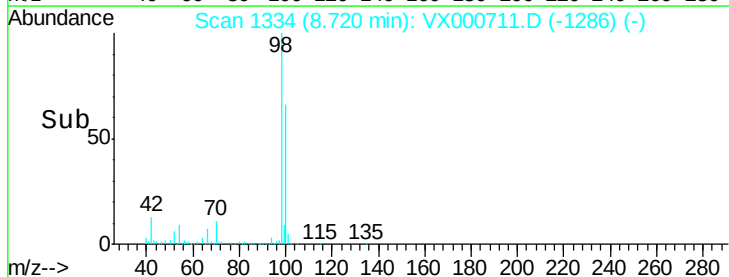
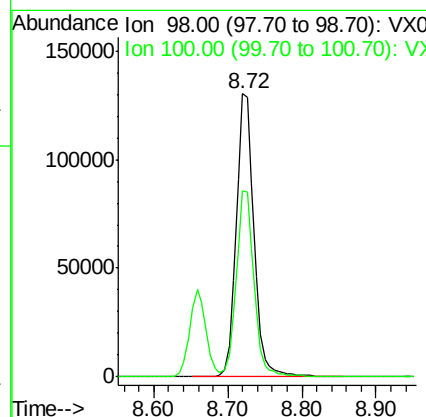
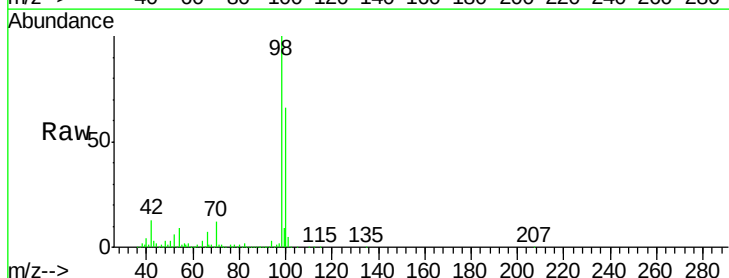
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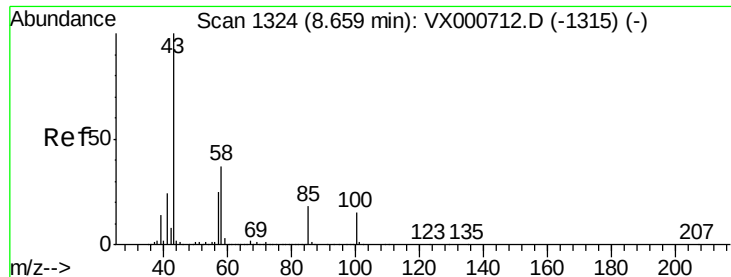
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#50
Toluene-d8
Concen: 20.210 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.01 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.6	78.8





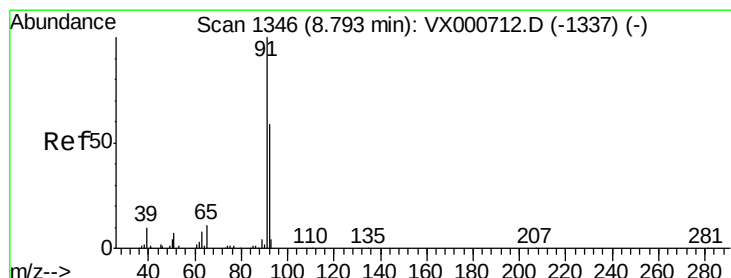
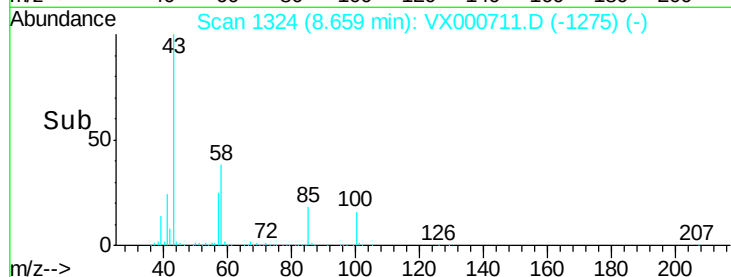
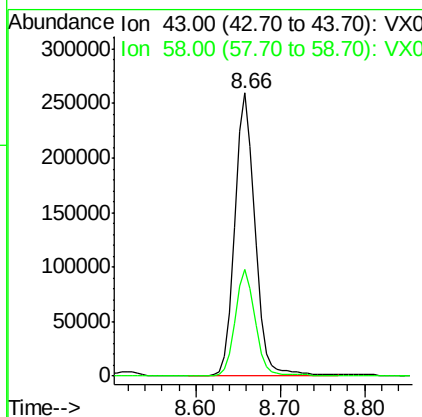
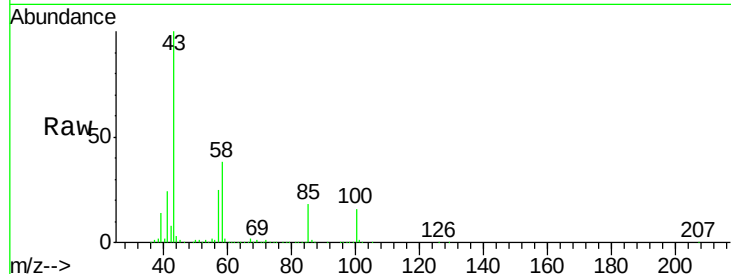
#51
 4-Methyl-2-Pentanone
 Concen: 99.377 ug/l
 RT: 8.66 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX000711.D
 Acq: 07 Apr 2018 12:14

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tgt Ion: 43 Resp: 418092
 Ion Ratio Lower Upper
 43 100
 58 37.7 30.6 46.0

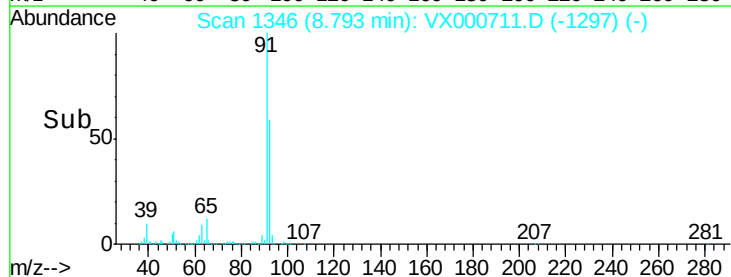
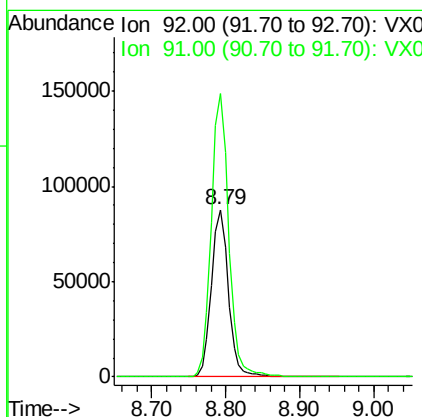
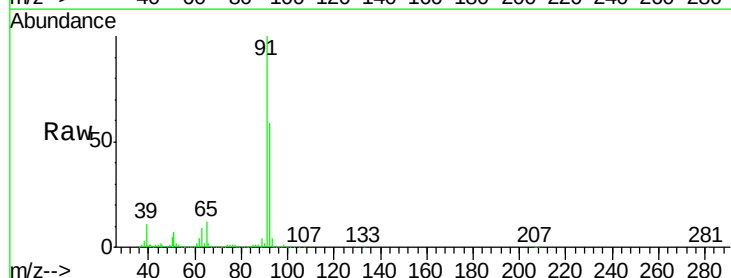
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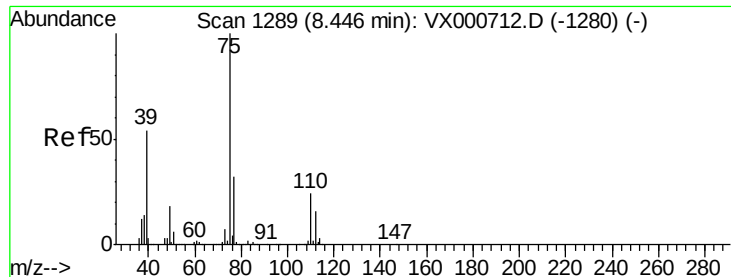
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#52
 Toluene
 Concen: 19.981 ug/l
 RT: 8.79 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VX000711.D
 Acq: 07 Apr 2018 12:14

Tgt Ion: 92 Resp: 138057
 Ion Ratio Lower Upper
 92 100
 91 173.1 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 20.384 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 75 Resp: 97659

Ion Ratio Lower Upper

75 100

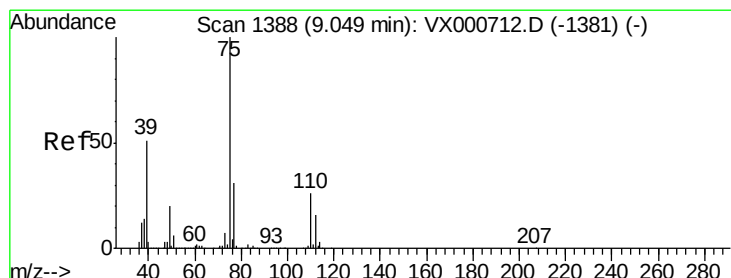
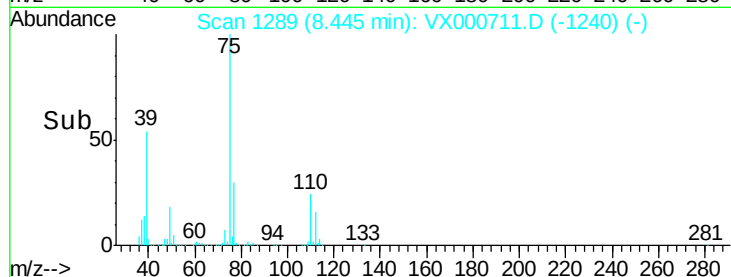
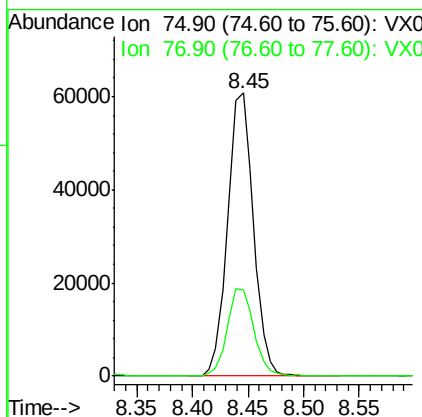
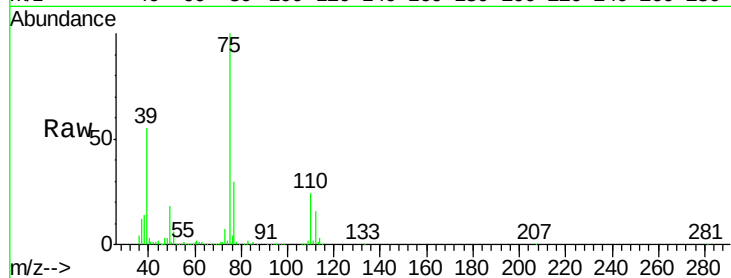
77 30.2 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.193 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

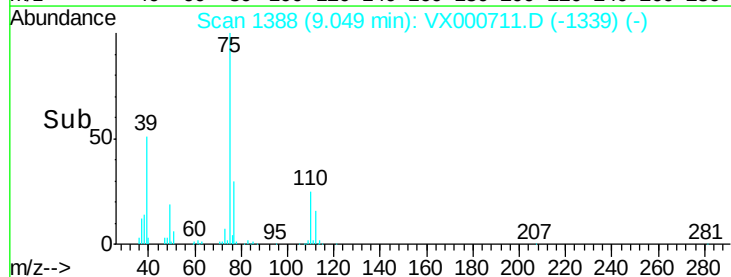
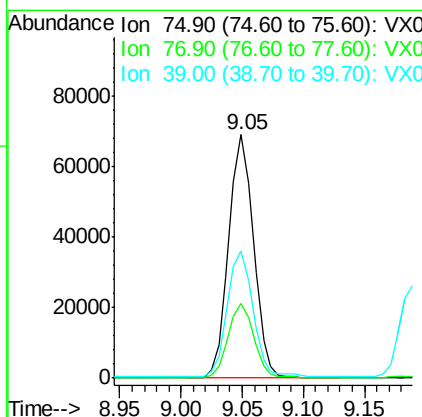
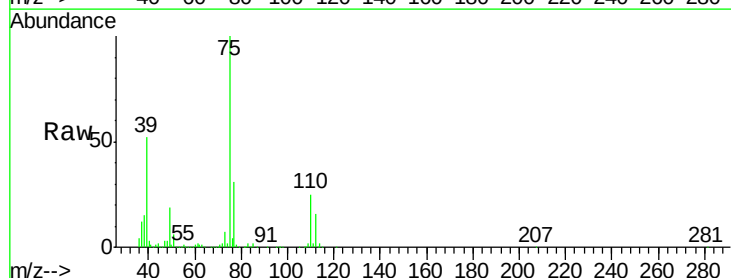
Tgt Ion: 75 Resp: 97377

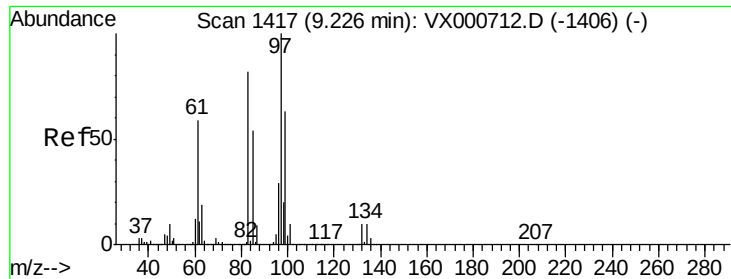
Ion Ratio Lower Upper

75 100

77 30.4 25.2 37.8

39 51.6 40.5 60.7





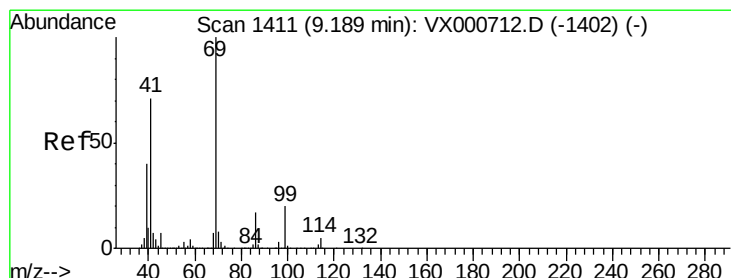
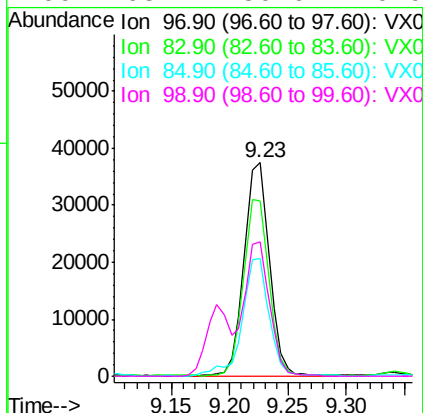
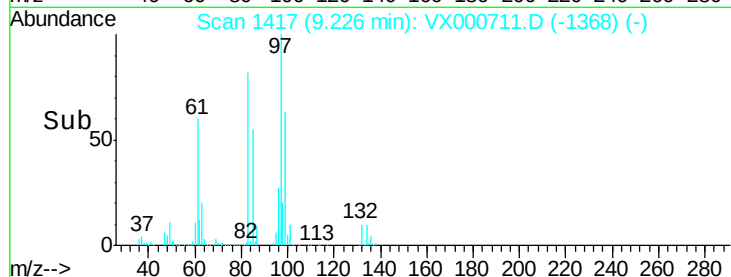
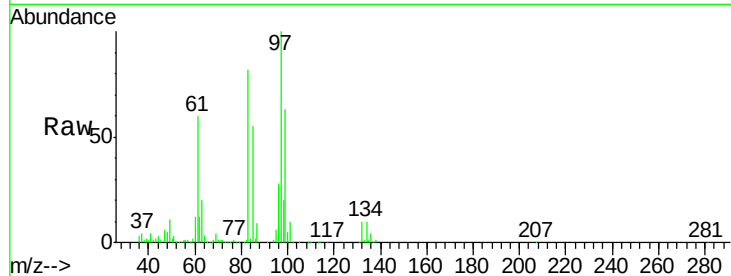
#55
 1,1,2-Trichloroethane
 Concen: 20.059 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VX000711.D
 Acq: 07 Apr 2018 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.8	65.7	98.5
85	55.2	42.8	64.2
99	63.2	50.6	76.0

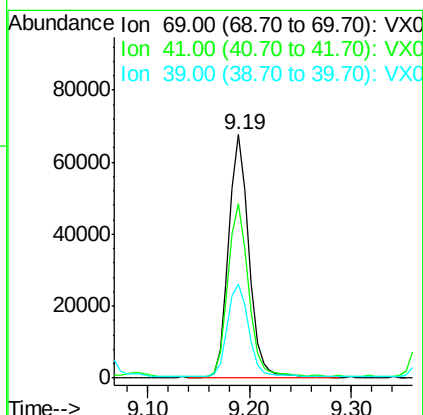
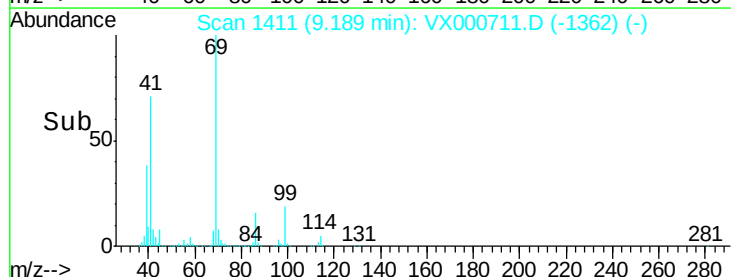
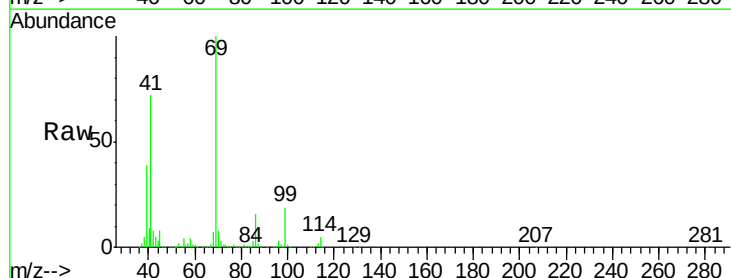
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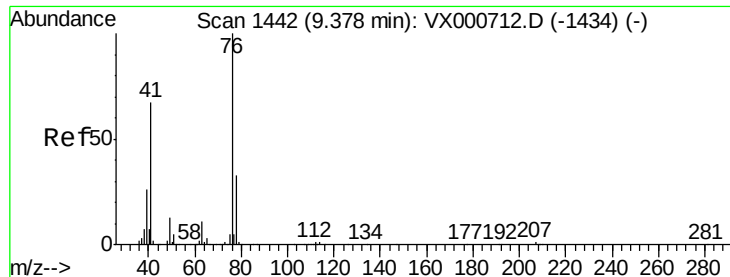
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#56
 Ethyl methacrylate
 Concen: 19.958 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX000711.D
 Acq: 07 Apr 2018 12:14

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.9	56.4	84.6
39	39.9	31.4	47.2





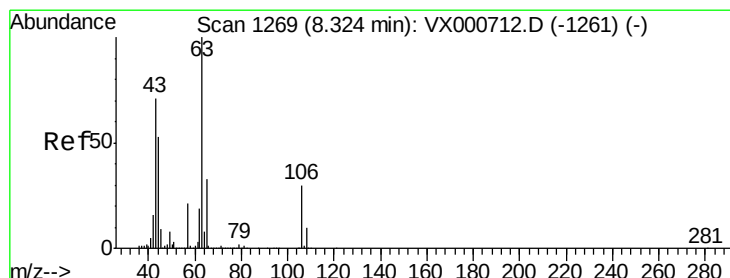
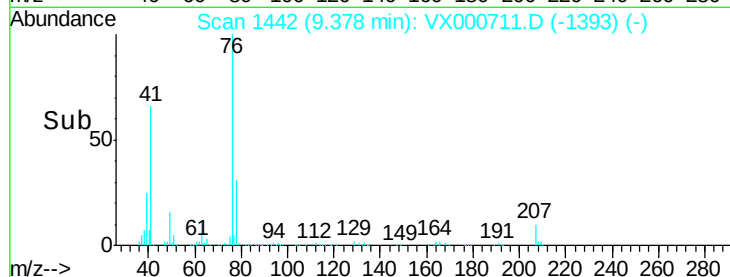
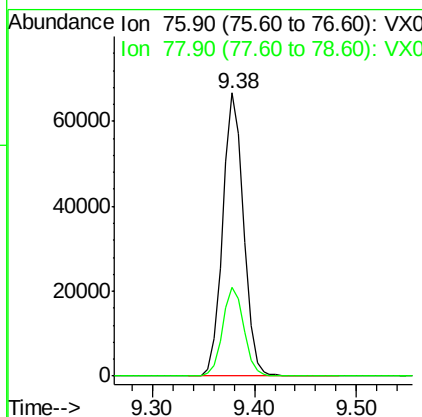
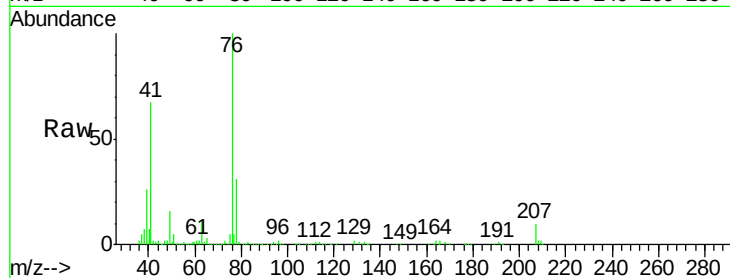
#57
 1,3-Dichloropropane
 Concen: 20.680 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX000711.D
 Acq: 07 Apr 2018 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tgt Ion: 76 Resp: 94943
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.2

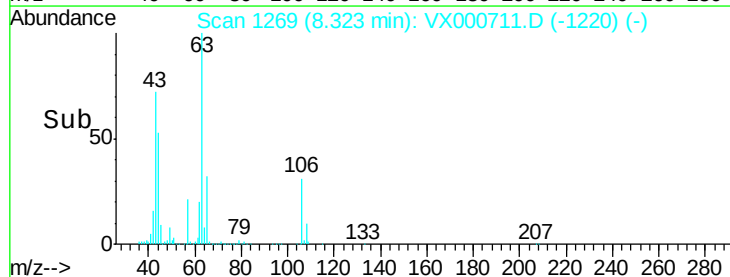
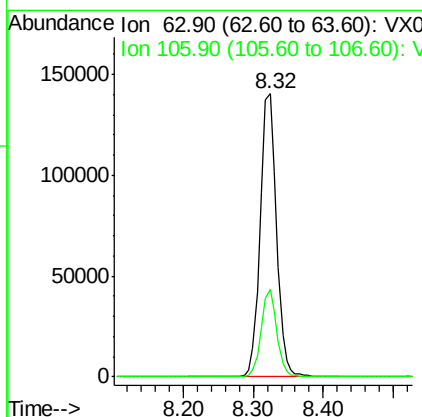
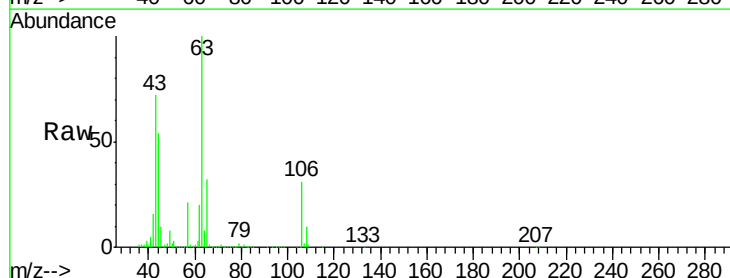
Manual Integrations
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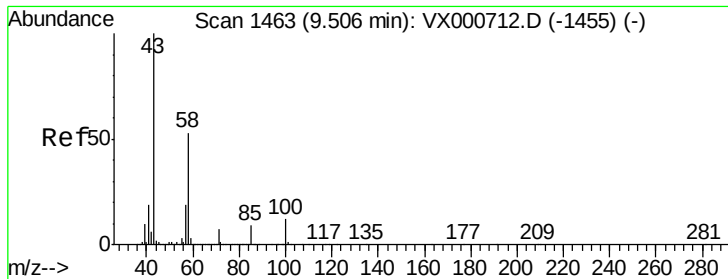
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#58
 2-Chloroethyl Vinyl ether
 Concen: 116.592 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VX000711.D
 Acq: 07 Apr 2018 12:14

Tgt Ion: 63 Resp: 229250
 Ion Ratio Lower Upper
 63 100
 106 29.5 24.0 36.0





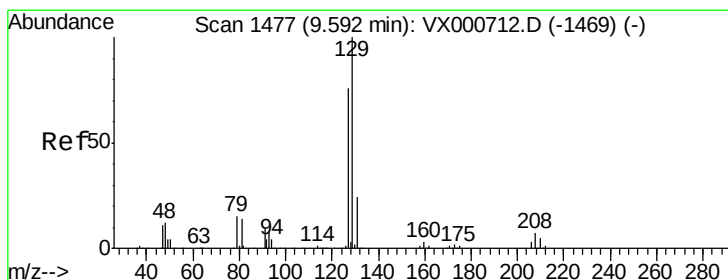
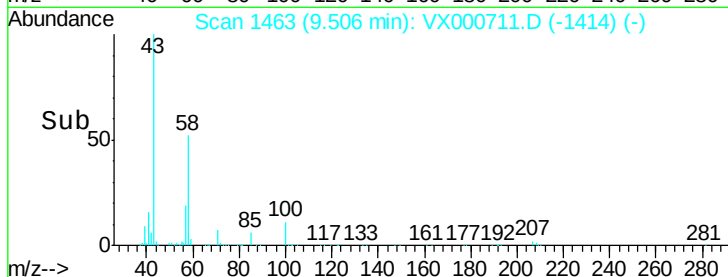
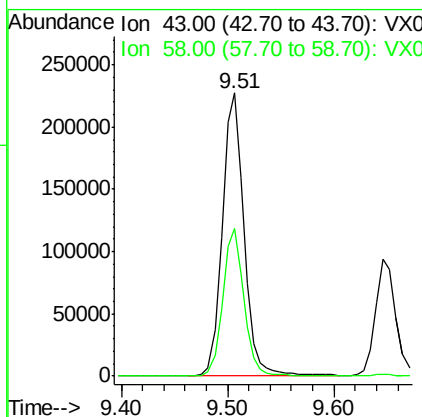
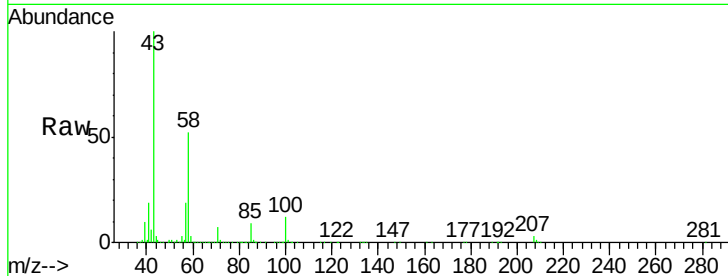
#59
2-Hexanone
Concen: 98.680 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tgt Ion: 43 Resp: 319231
Ion Ratio Lower Upper
43 100
58 51.8 25.9 77.8

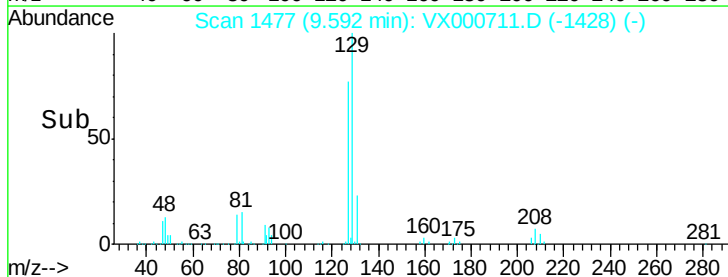
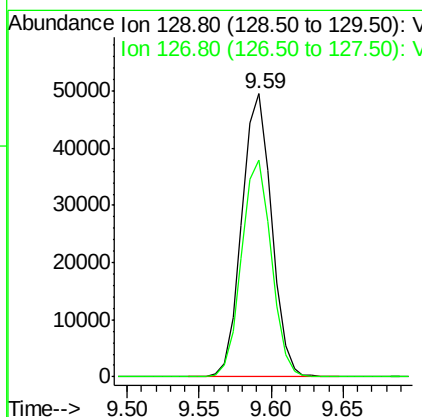
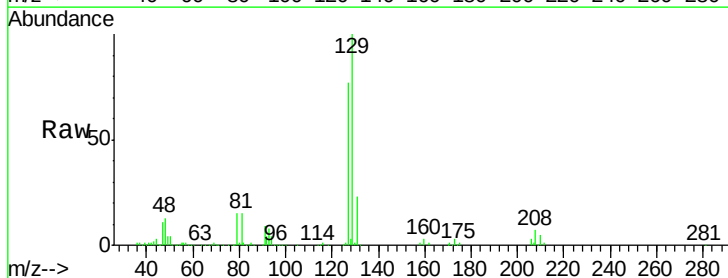
Manual Integrations
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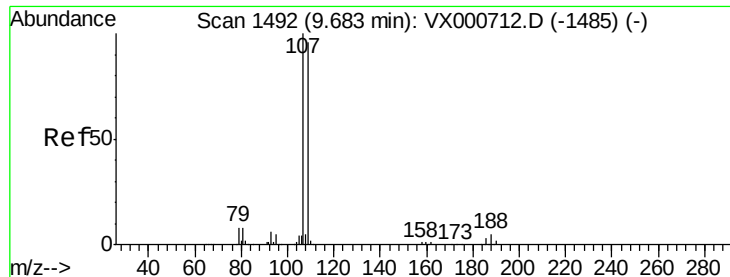
sam
4/9/2018 2:02:06 PM



#60
Dibromochloromethane
Concen: 19.769 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Tgt Ion: 129 Resp: 70947
Ion Ratio Lower Upper
129 100
127 76.8 38.2 114.6





#61

1,2-Dibromoethane

Concen: 20.126 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.01 min

Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 107 Resp: 61155

Ion Ratio Lower Upper

107 100

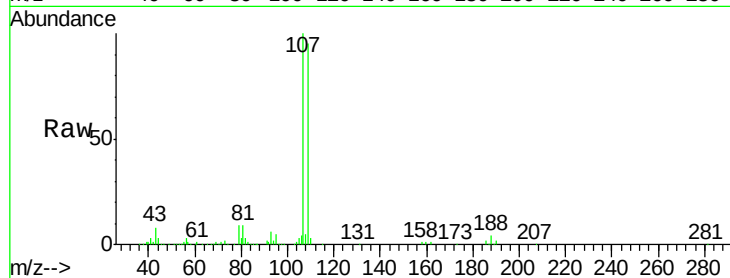
109 93.9 76.6 115.0

Manual Integrations

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sam

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

40000

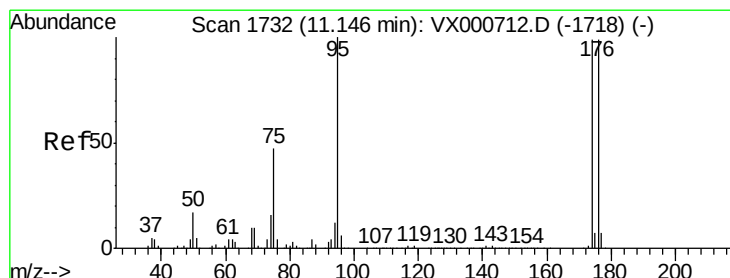
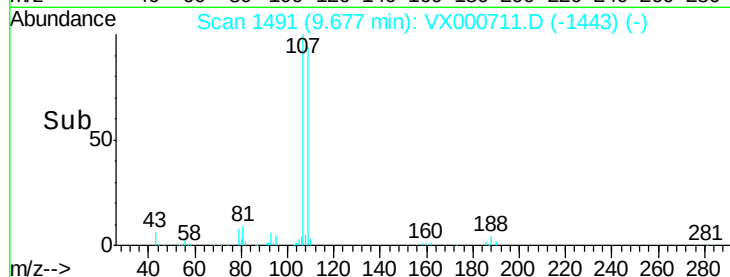
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 20.342 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

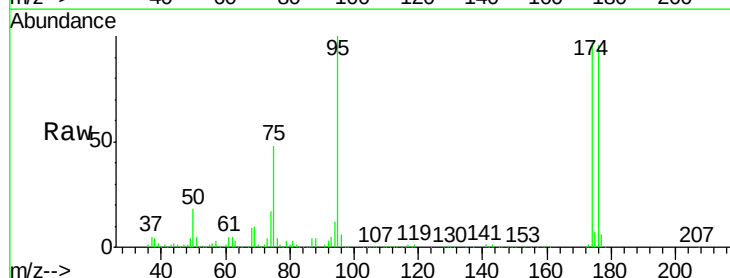
Tgt Ion: 95 Resp: 88583

Ion Ratio Lower Upper

95 100

174 94.1 0.0 191.6

176 92.1 0.0 187.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.15

80000

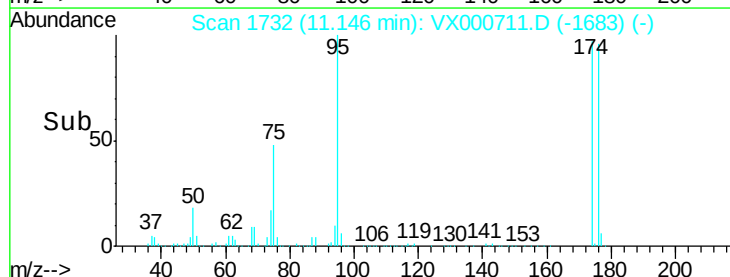
60000

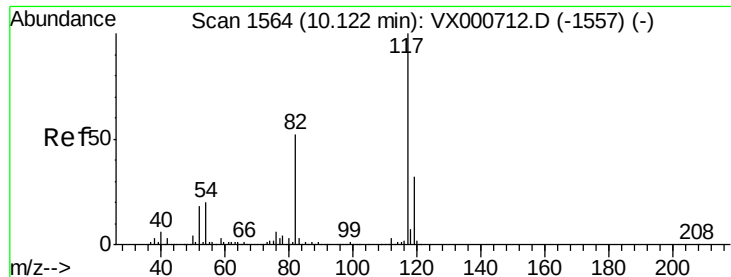
40000

20000

0

Time-->





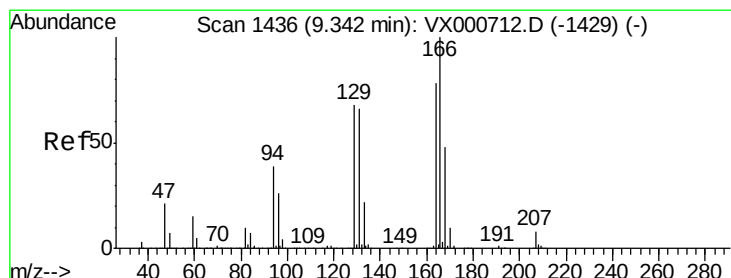
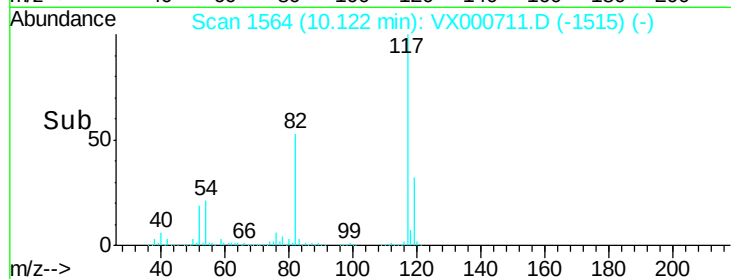
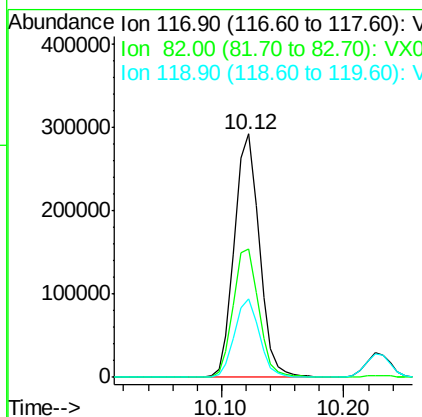
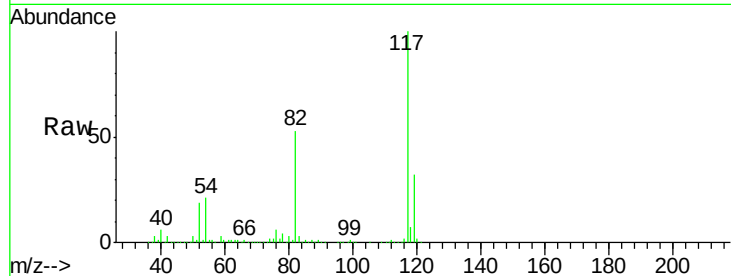
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	413923		
82	52.7	41.9	62.9	
119	32.4	25.8	38.8	

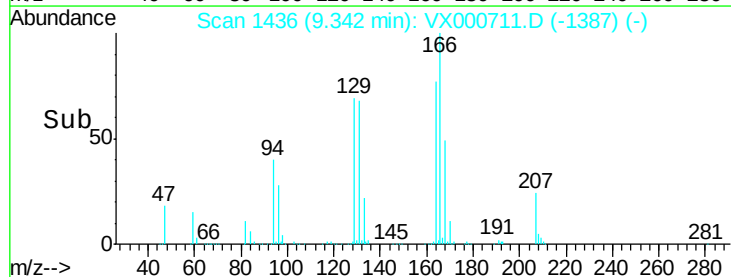
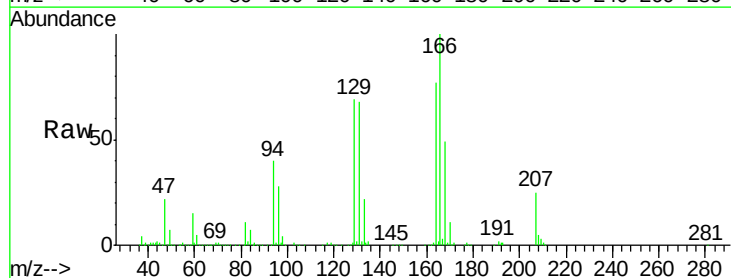
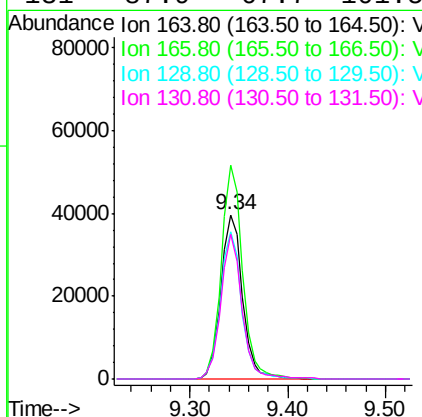
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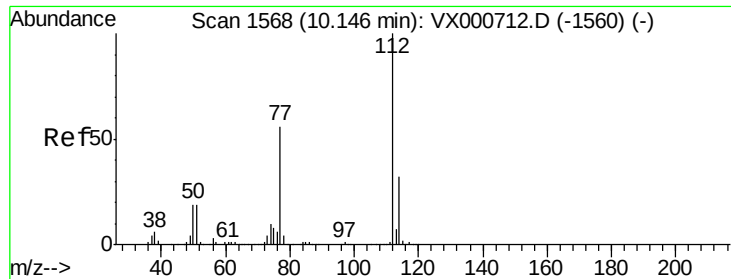
sam
4/9/2018 2:02:06 PM



#64
Tetrachloroethene
Concen: 19.728 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	61229		
166	130.1	102.4	153.6	
129	89.7	69.3	103.9	
131	87.9	67.7	101.5	





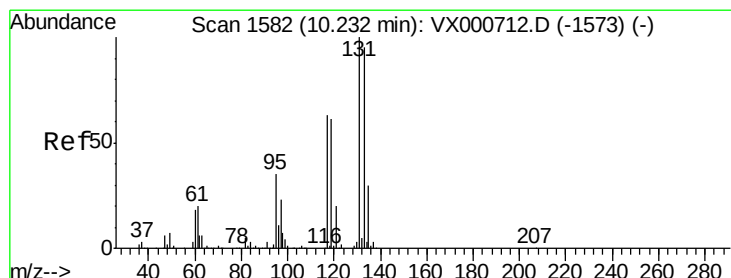
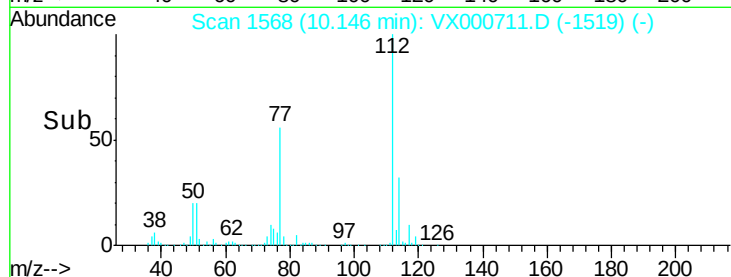
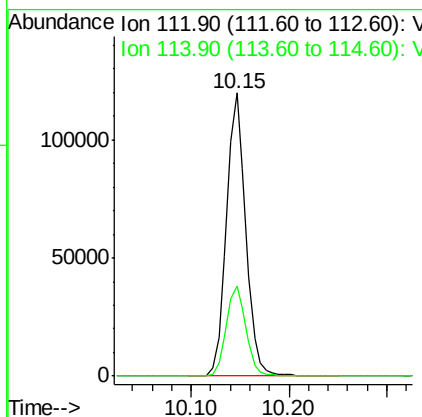
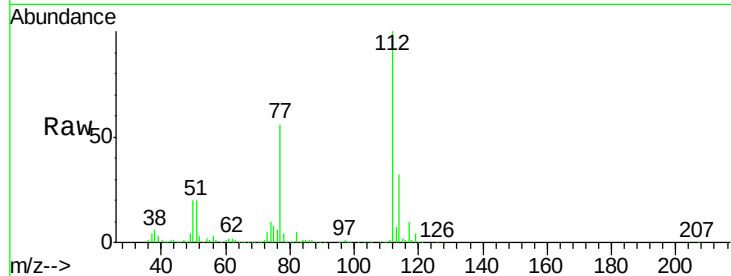
#65
Chlorobenzene
Concen: 20.044 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion:112 Resp: 164095
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6

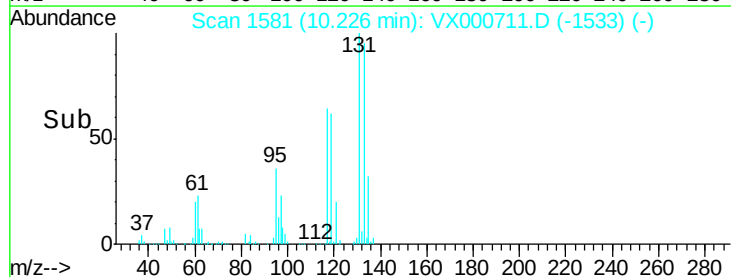
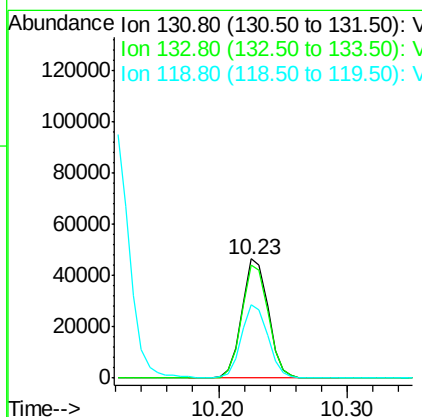
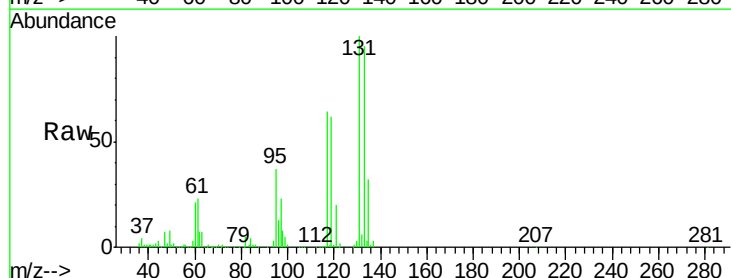
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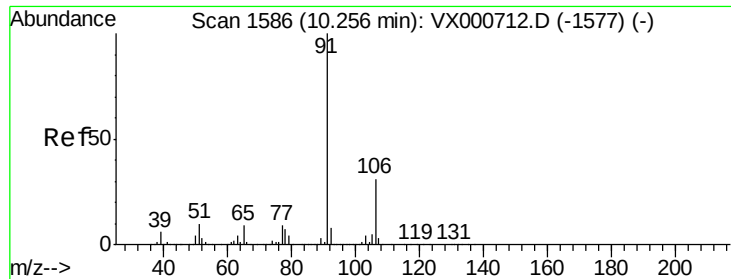
sam
4/9/2018 2:02:06 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.344 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.01 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Tgt Ion:131 Resp: 65528
Ion Ratio Lower Upper
131 100
133 95.5 48.0 144.2
119 62.5 31.5 94.5





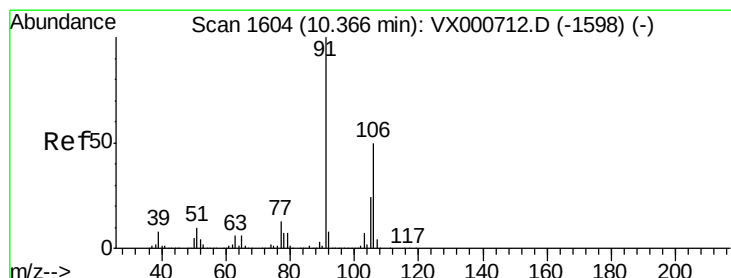
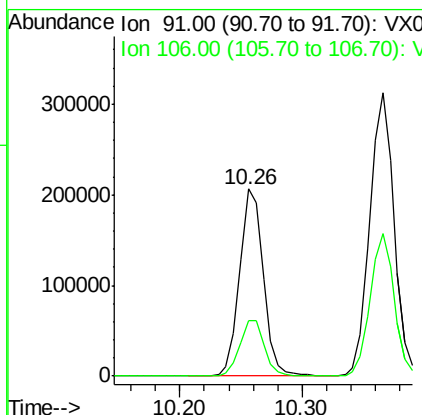
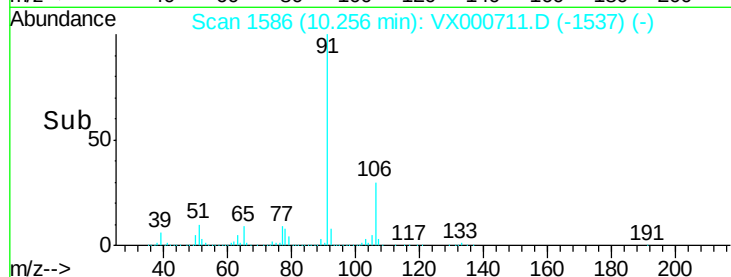
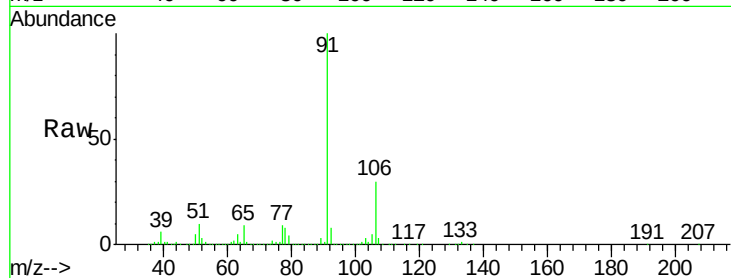
#67
Ethyl Benzene
Concen: 20.152 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion: 91 Resp: 276989
Ion Ratio Lower Upper
91 100
106 29.9 25.1 37.7

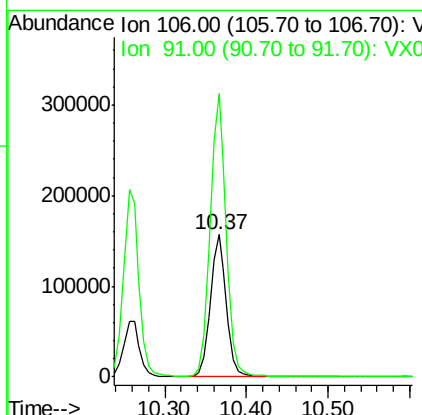
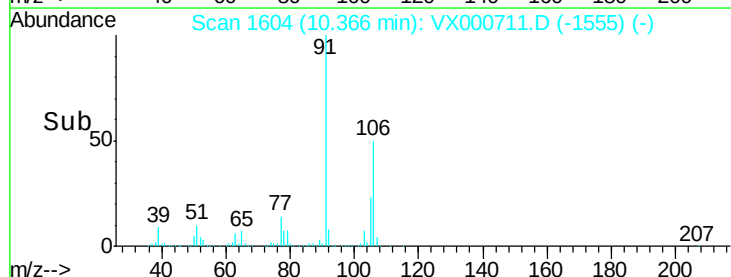
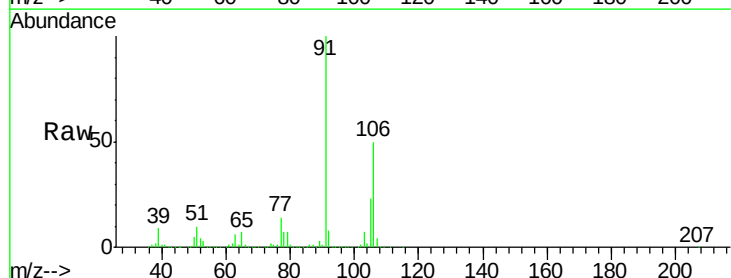
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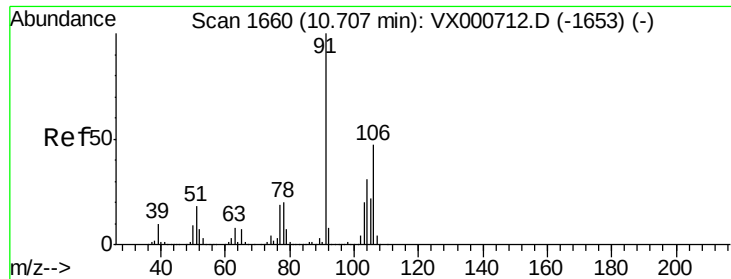
sam
4/9/2018 2:02:06 PM



#68
m/p-Xylenes
Concen: 40.288 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Tgt Ion: 106 Resp: 216453
Ion Ratio Lower Upper
106 100
91 200.5 159.7 239.5





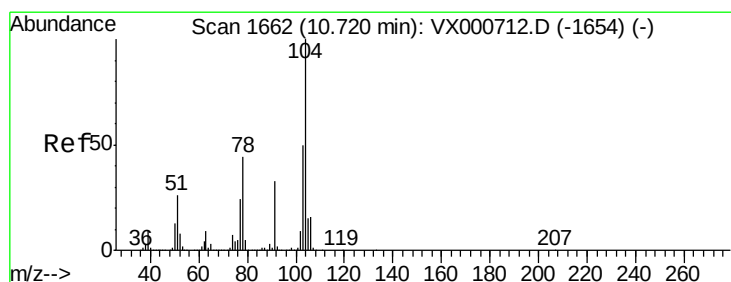
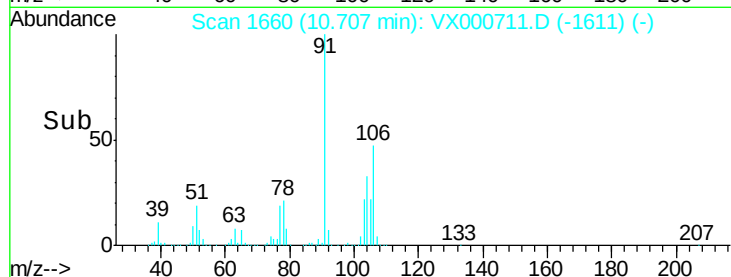
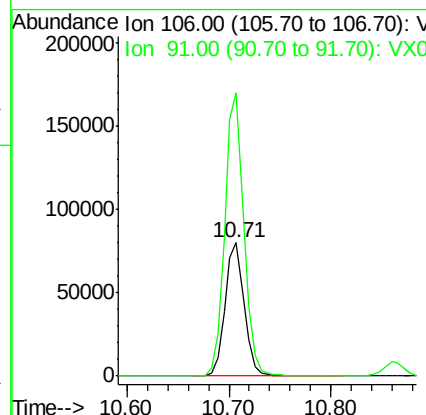
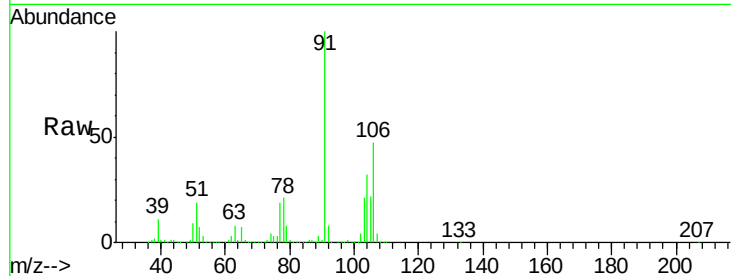
#69
o-Xylene
Concen: 20.070 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.5	106.1	318.3

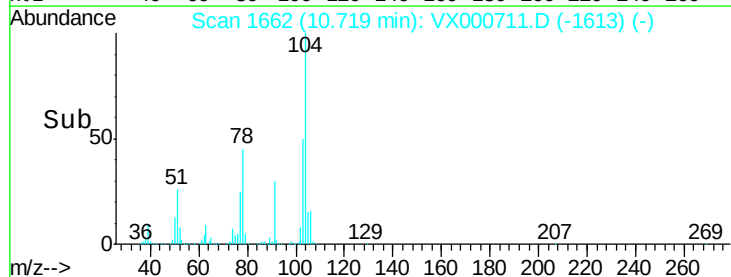
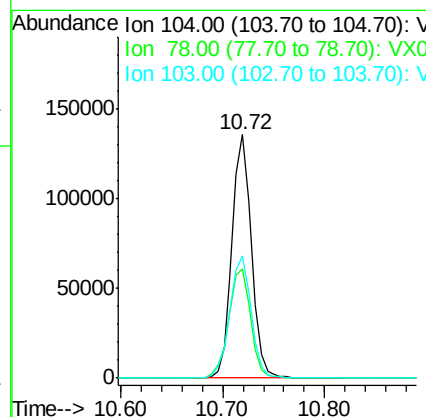
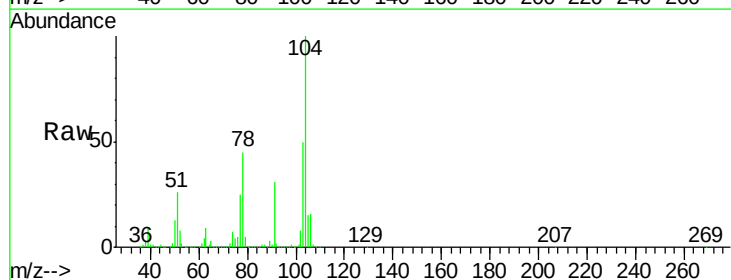
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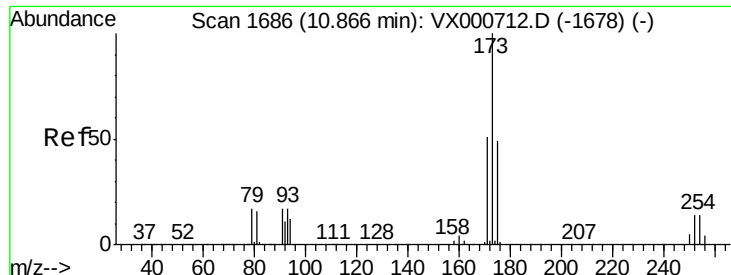
sam
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#70
Styrene
Concen: 19.897 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.7	39.8	59.6
103	55.2	44.1	66.1





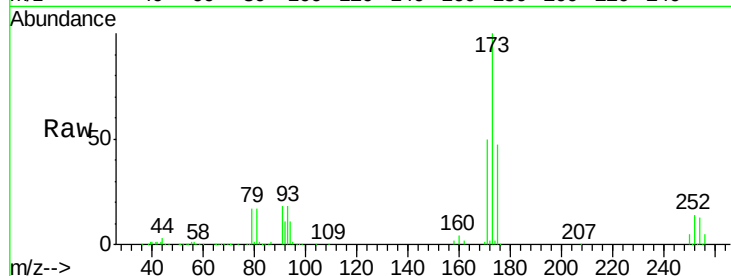
#71
Bromoform
Concen: 19.575 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

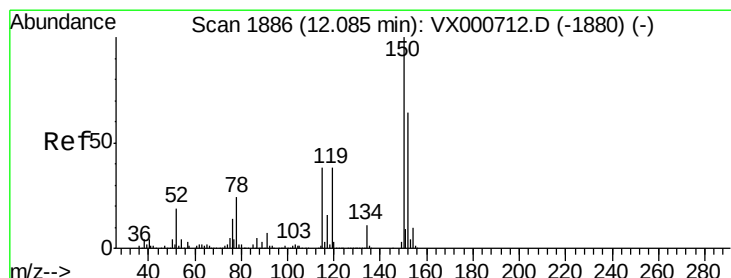
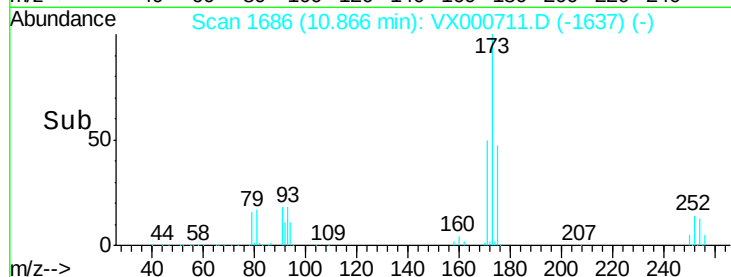
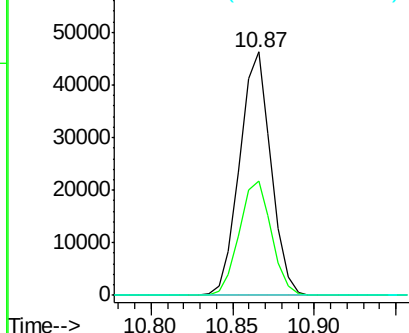
Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.2	72.6
254	0.2	0.1	0.1#

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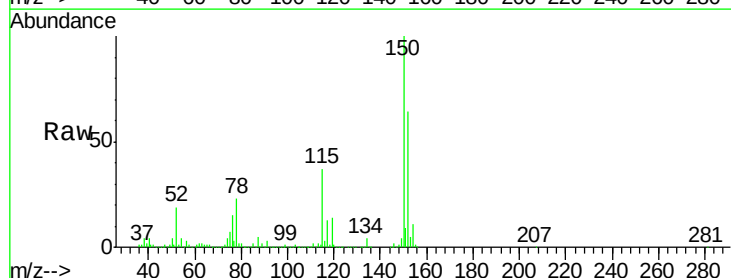


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

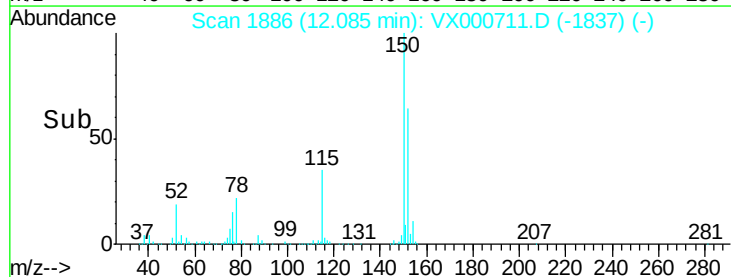
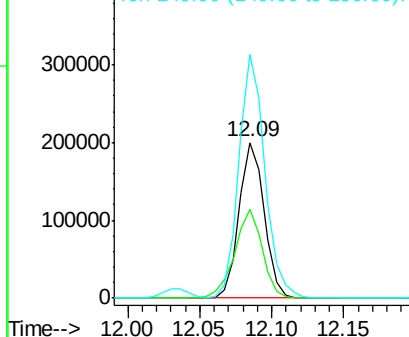


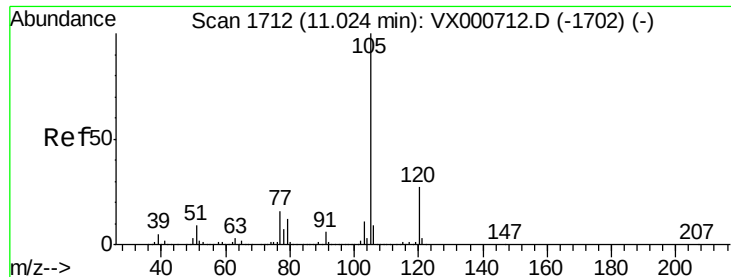
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.9	37.7	113.1
150	162.0	0.0	345.0



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





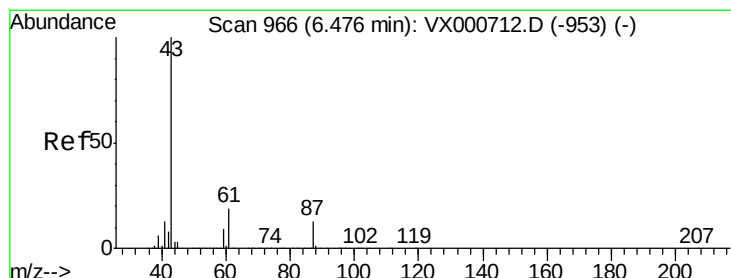
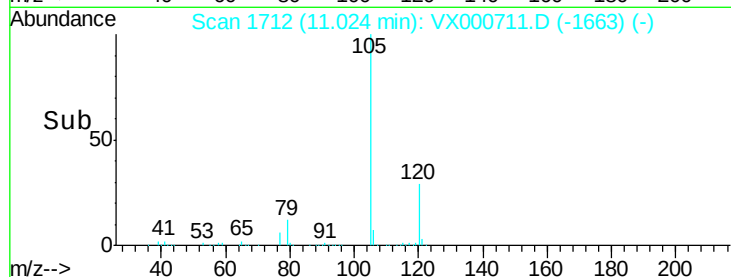
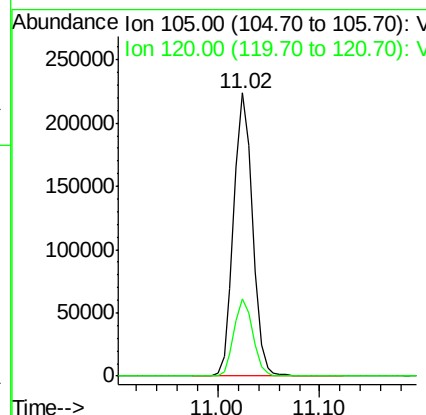
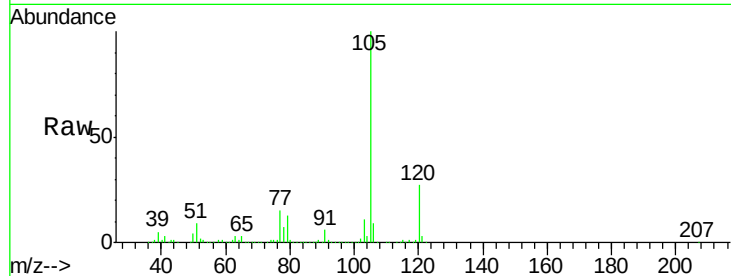
#73
Isopropylbenzene
Concen: 20.102 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	285165		
120	27.4	13.7	41.0	

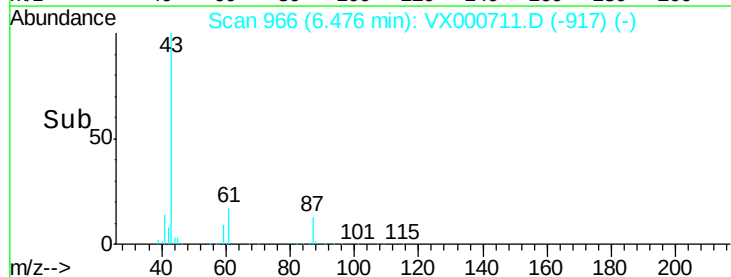
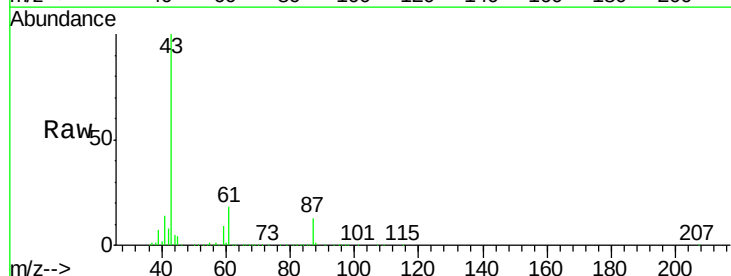
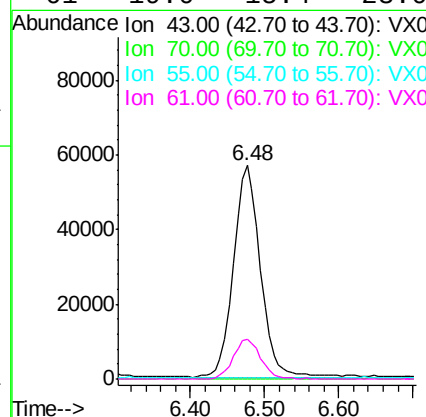
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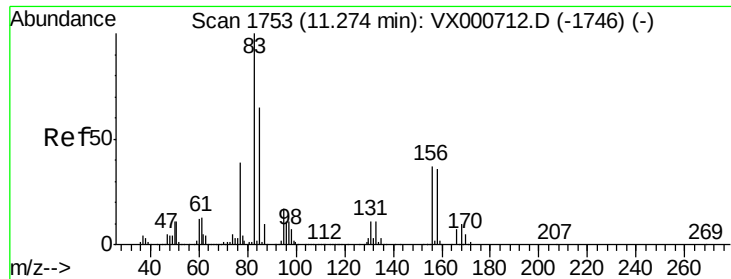
sam
4/9/2018 2:02:06 PM



#74
N-ethyl acetate
Concen: 20.538 ug/l
RT: 6.48 min Scan# 966
Delta R.T. -0.00 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	143281		
70	0.0	0.0	0.0#	
55	0.0	0.0	0.0	
61	19.0	15.4	23.0	





#75

1,1,2,2-Tetrachloroethane

Concen: 20.003 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tgt Ion: 83 Resp: 84891
Ion Ratio Lower Upper

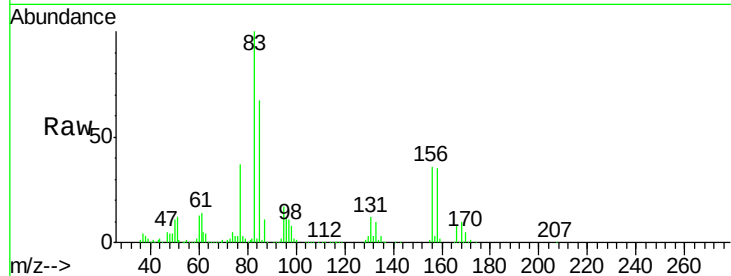
83 100

131 11.5 5.9 17.7

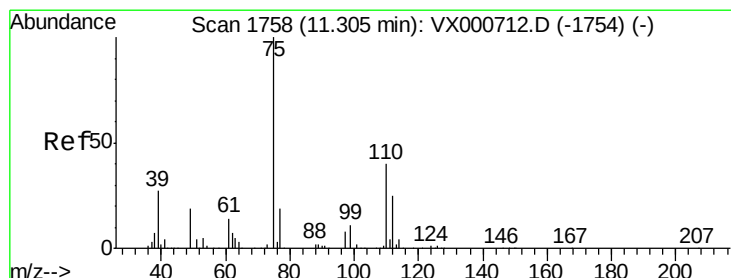
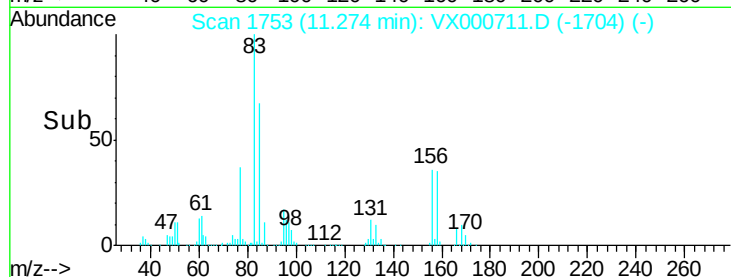
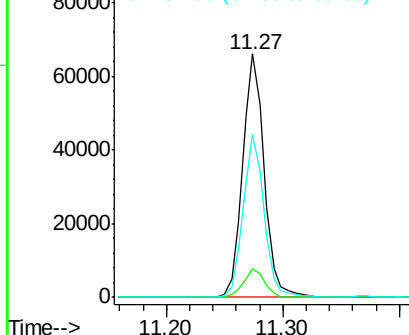
85 66.0 32.6 98.0

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sam
4/9/2018 2:02:06 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): VX0
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.203 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

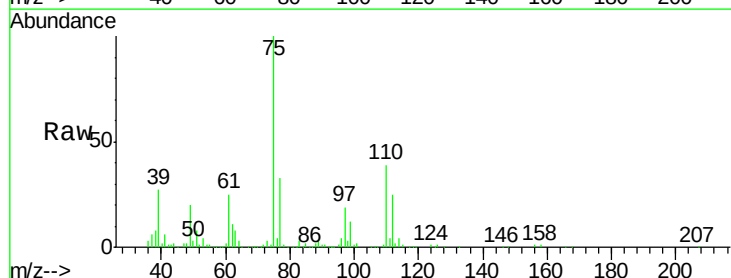
Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

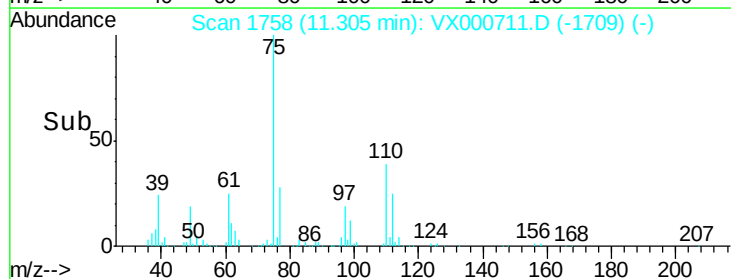
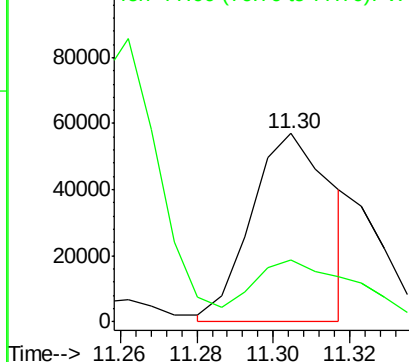
Tgt Ion: 75 Resp: 82964
Ion Ratio Lower Upper

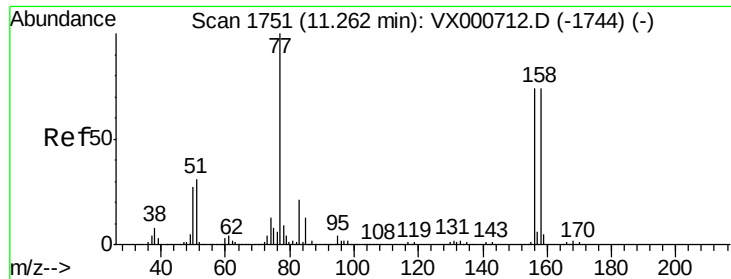
75 100

77 42.4 21.3 63.7



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.147 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tgt Ion: 156 Resp: 81831

Ion Ratio Lower Upper

156 100

77 136.7 68.3 205.1

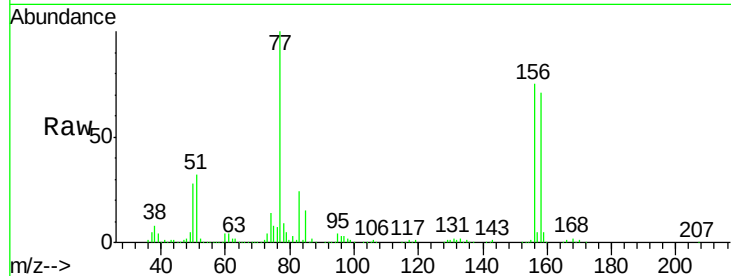
158 97.2 49.1 147.3

Manual Integrations

APPROVED

sam

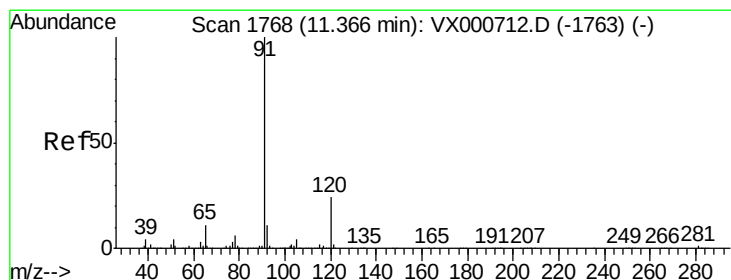
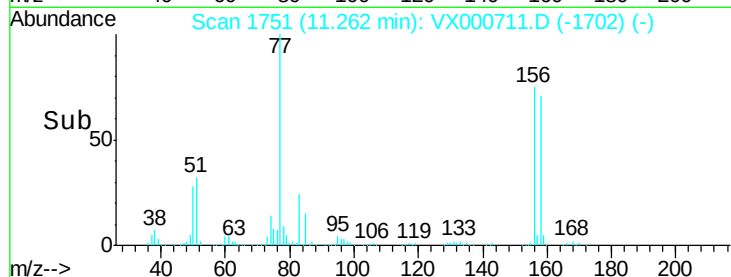
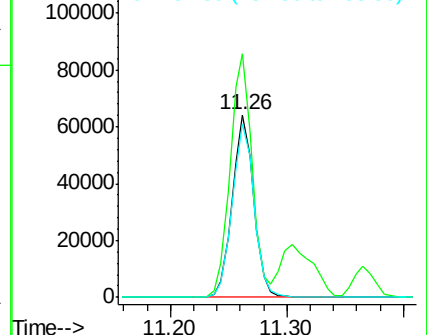
4/9/2018 2:02:06 PM



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: 20.184 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000711.D

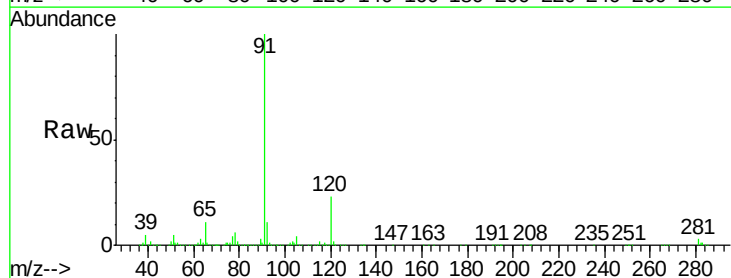
Acq: 07 Apr 2018 12:14

Tgt Ion: 91 Resp: 325381

Ion Ratio Lower Upper

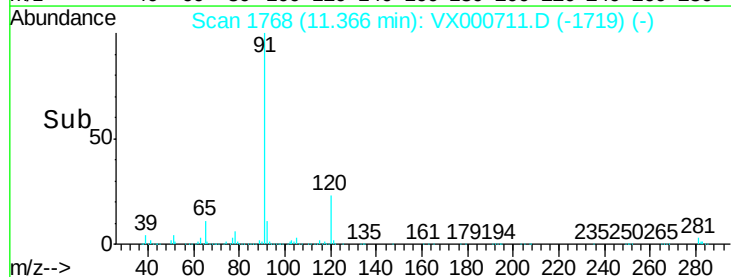
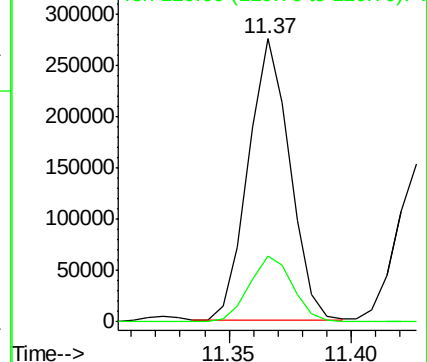
91 100

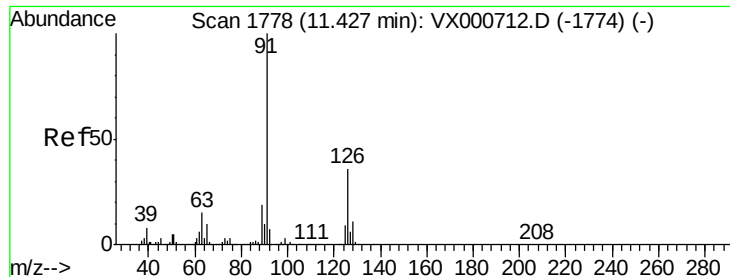
120 24.5 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.188 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 193190

Ion Ratio Lower Upper

91 100

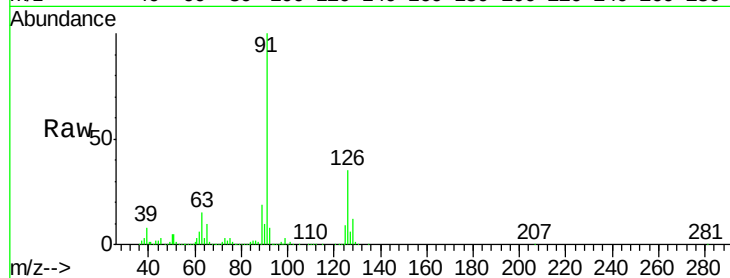
126 36.8 18.3 54.9

Manual Integrations

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sam

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Abundance Ion 91.00 (90.70 to 91.70): VX000711.D (-1729) (-)

Ion 125.90 (125.60 to 126.60): VX000711.D (-1729) (-)

300000

250000

200000

150000

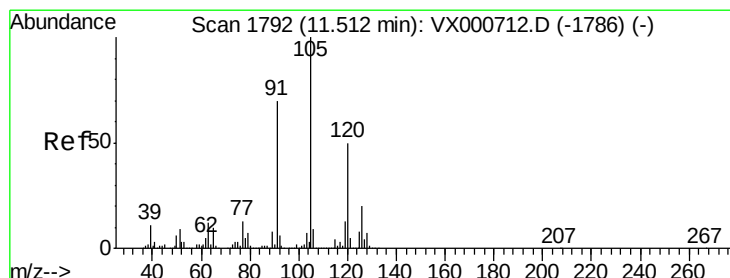
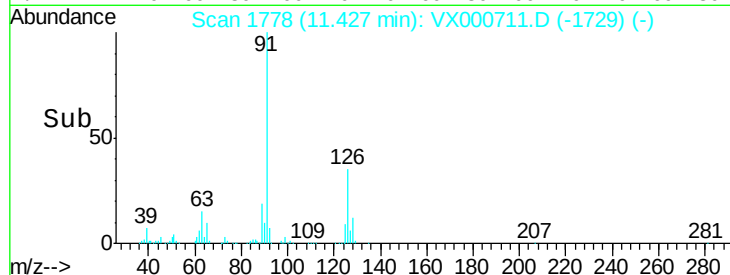
100000

50000

0

11.40 11.45 11.50

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.264 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000711.D

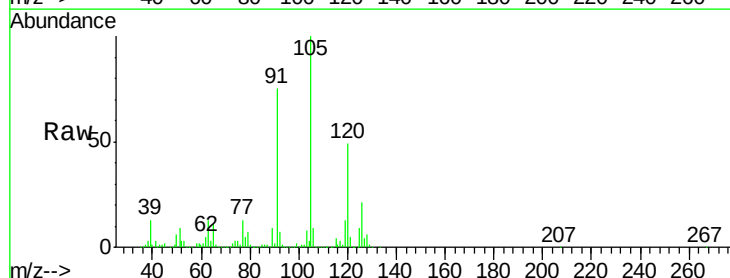
Acq: 07 Apr 2018 12:14

Tgt Ion: 105 Resp: 247343

Ion Ratio Lower Upper

105 100

120 48.8 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VX000711.D (-1743) (-)

Ion 120.00 (119.70 to 120.70): VX000711.D (-1743) (-)

250000

200000

150000

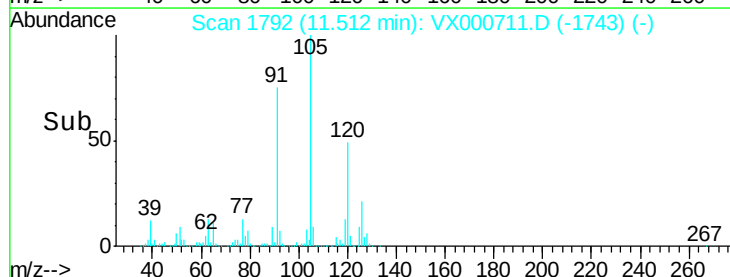
100000

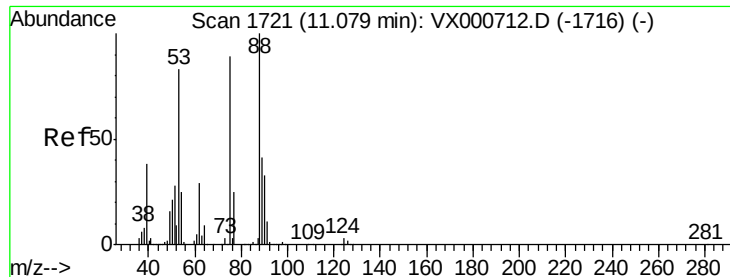
50000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.607 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

Instrument :

MSVOA_X

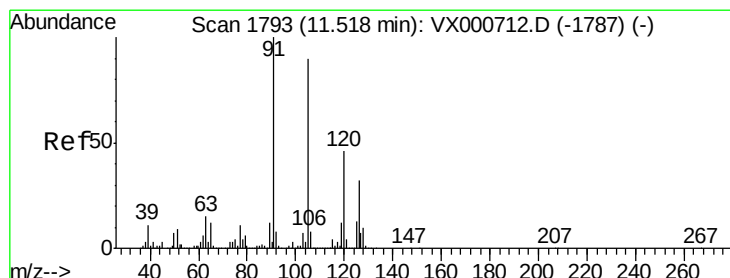
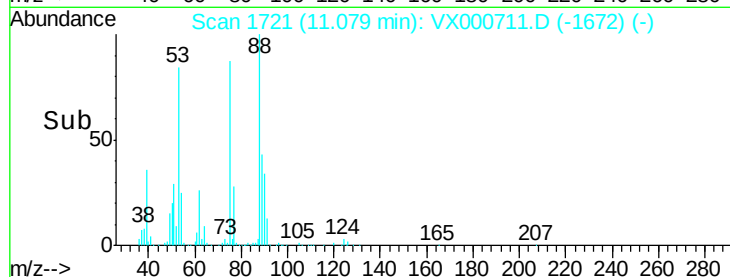
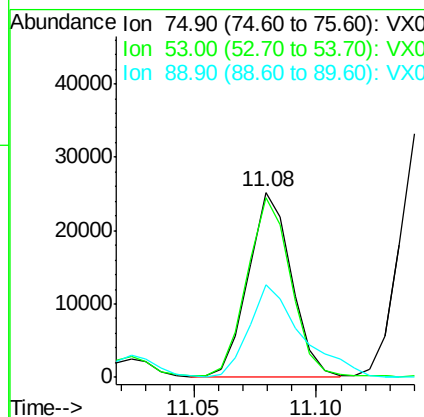
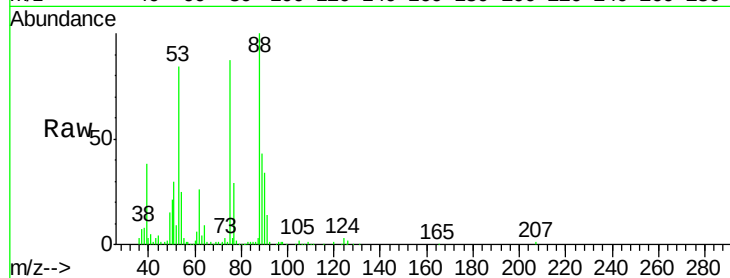
ClientSampleId :

VSTDIC020

Tgt Ion:	75	Resp:	30923
Ion	Ratio	Lower	Upper
75	100		
53	98.7	74.2	111.2
89	61.1	46.6	69.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.293 ug/l

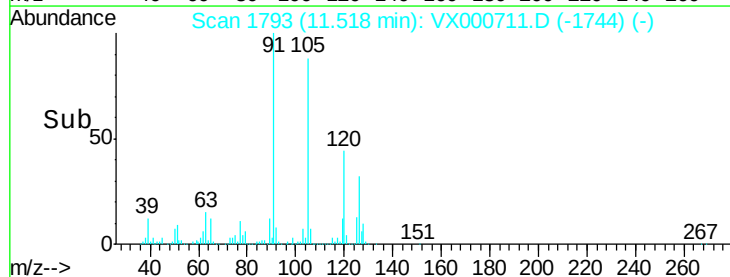
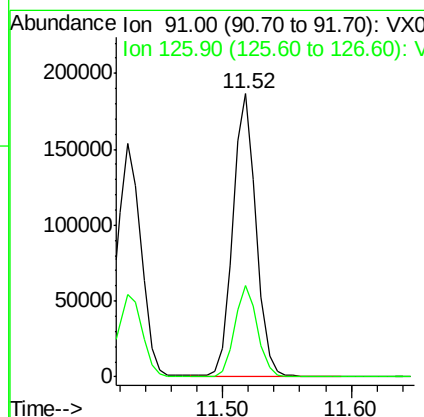
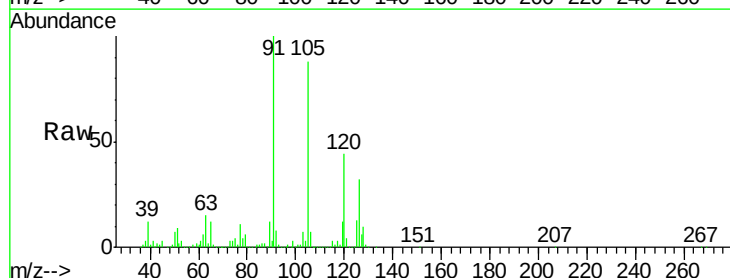
RT: 11.52 min Scan# 1793

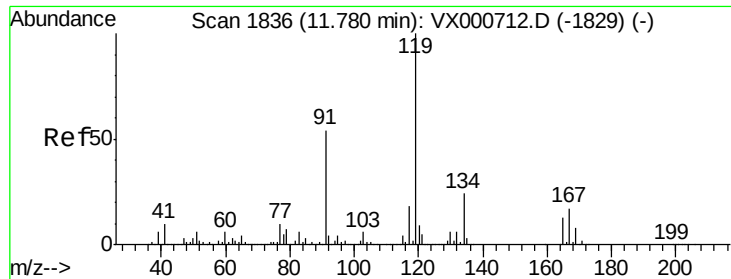
Delta R.T. -0.00 min

Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

Tgt Ion:	91	Resp:	234783
Ion	Ratio	Lower	Upper
91	100		
126	31.5	16.0	48.0





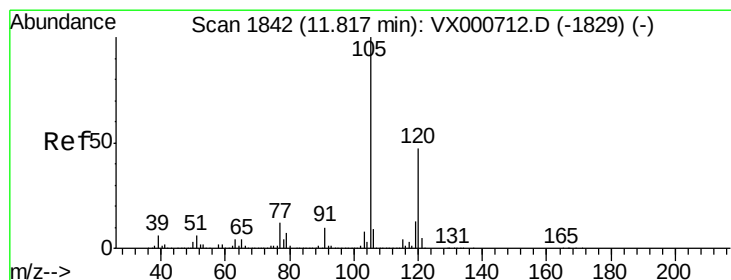
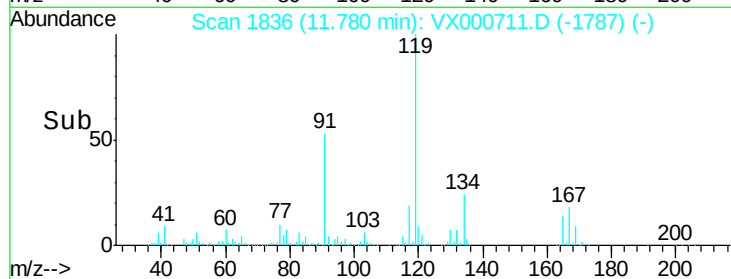
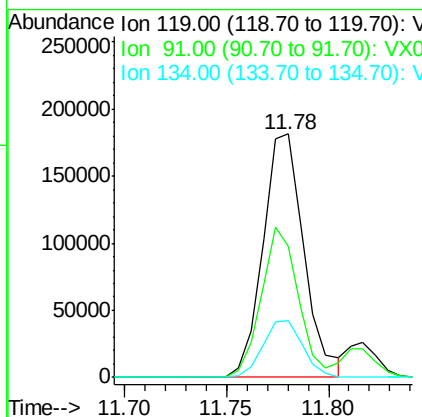
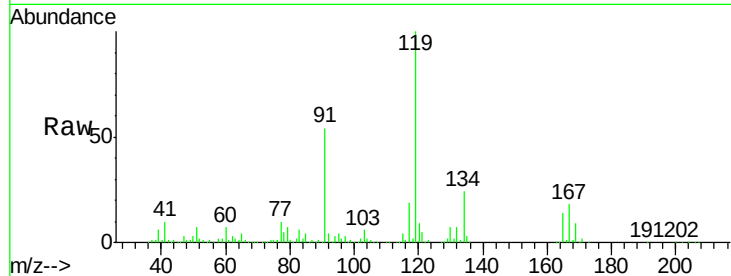
#83
 tert-Butylbenzene
 Concen: 20.218 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: VX000711.D
 Acq: 07 Apr 2018 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
119	100		
91	55.2	27.3	81.8
134	22.7	11.5	34.4

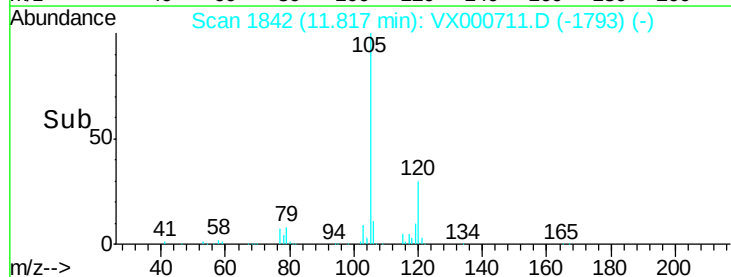
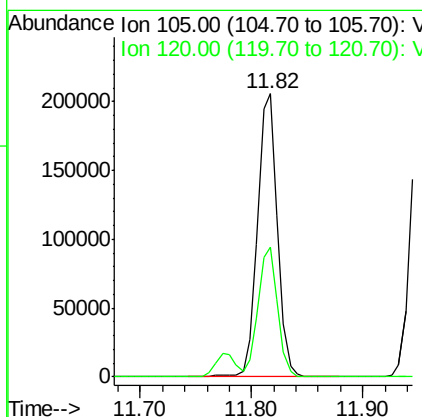
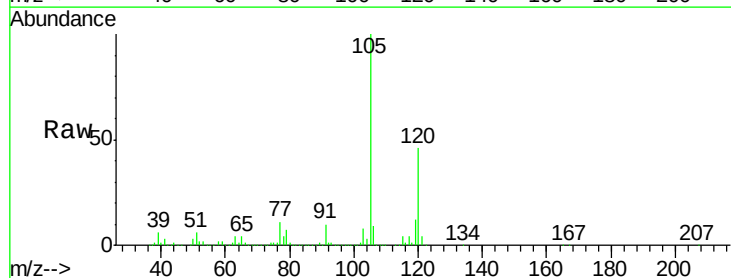
Manual Integrations
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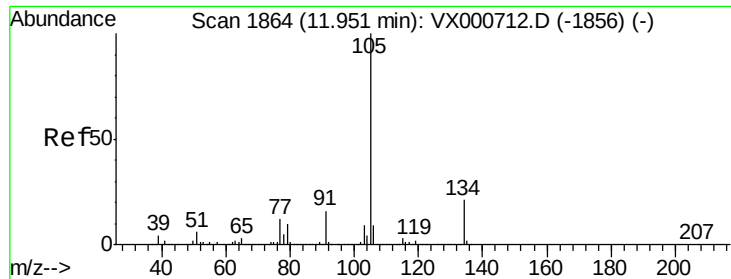
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.266 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000711.D
 Acq: 07 Apr 2018 12:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.9	68.5





#85

sec-Butylbenzene

Concen: 19.930 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tgt Ion:105 Resp: 294140

Ion Ratio Lower Upper

105 100

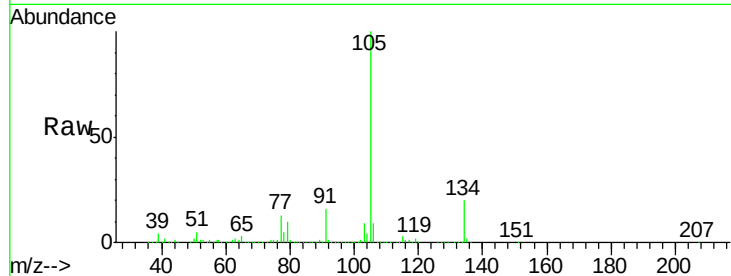
134 21.1 10.7 32.1

Manual Integrations

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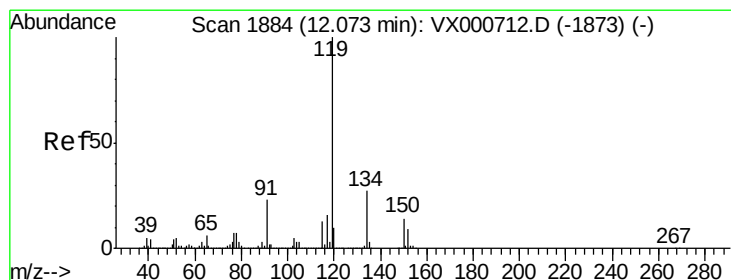
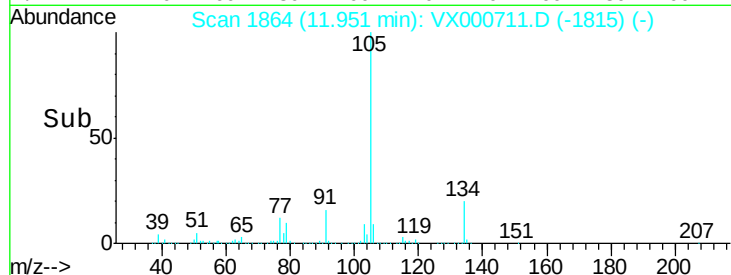
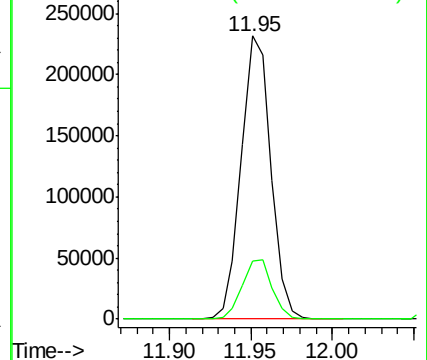
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.008 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000711.D

Acq: 07 Apr 2018 12:14

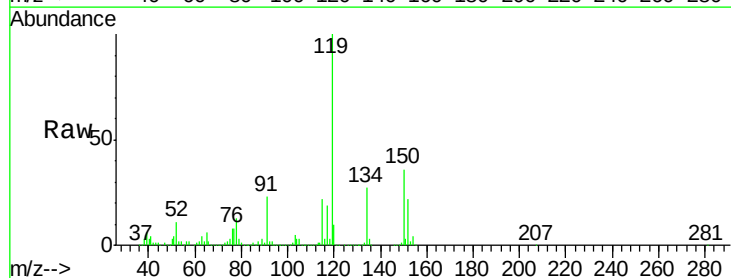
Tgt Ion:119 Resp: 275213

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

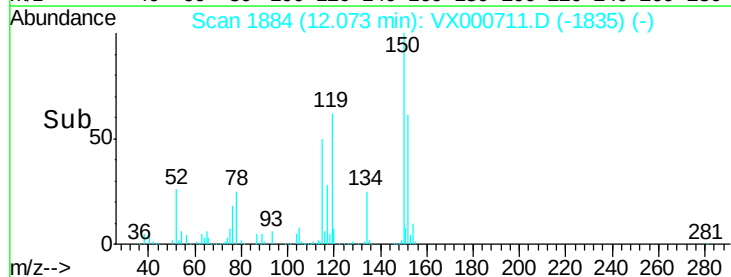
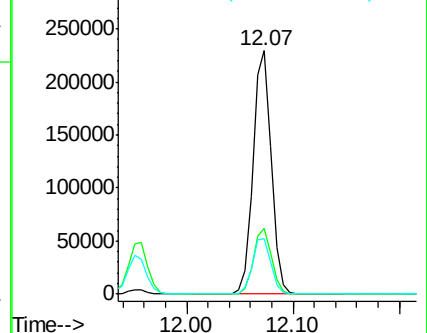
91 23.4 11.5 34.4

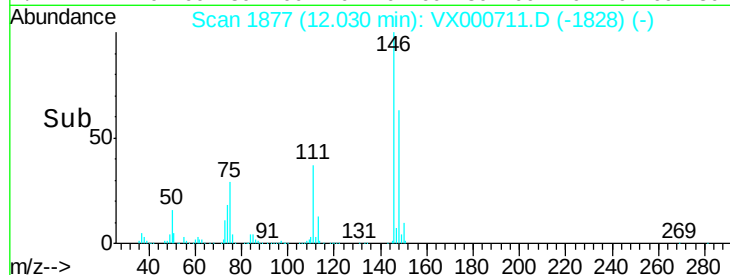
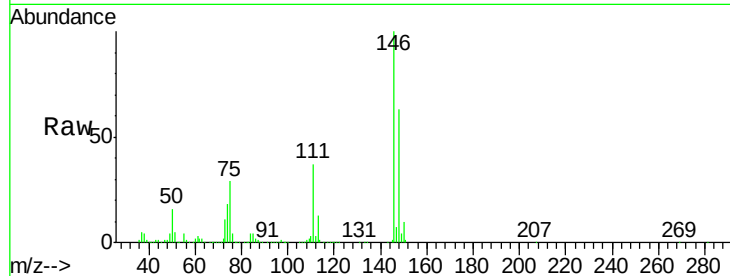
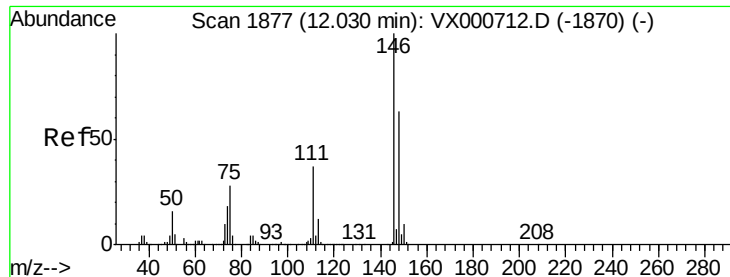


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





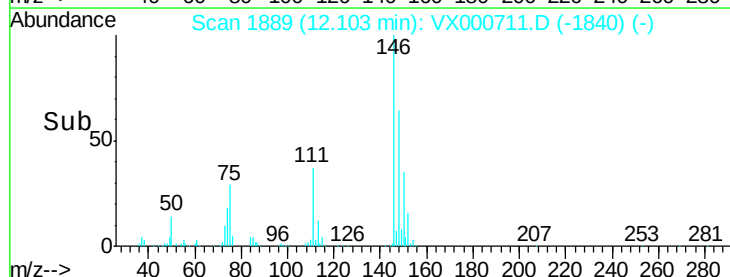
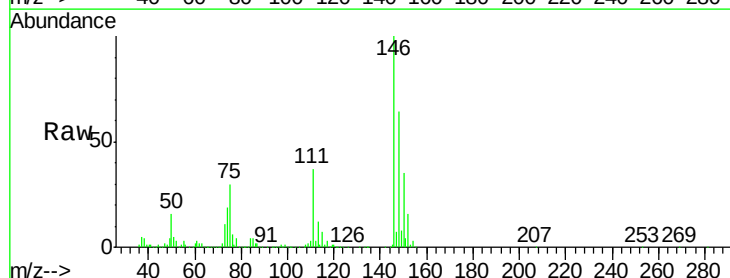
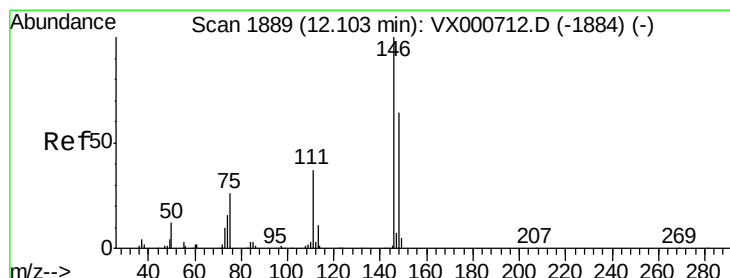
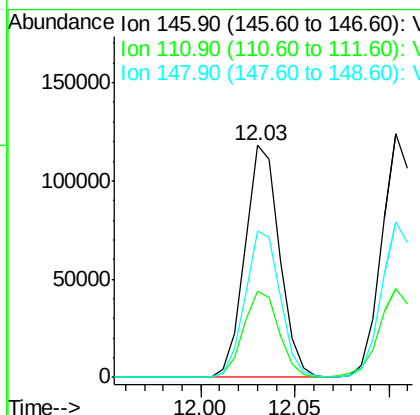
#87
 1,3-Dichlorobenzene
 Concen: 19.923 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX000711.D
 Acq: 07 Apr 2018 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	55.8
148	64.1	32.0	96.2

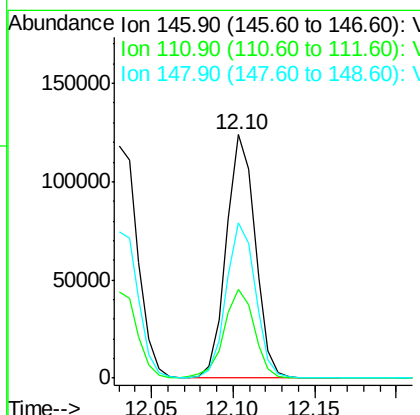
Manual Integrations
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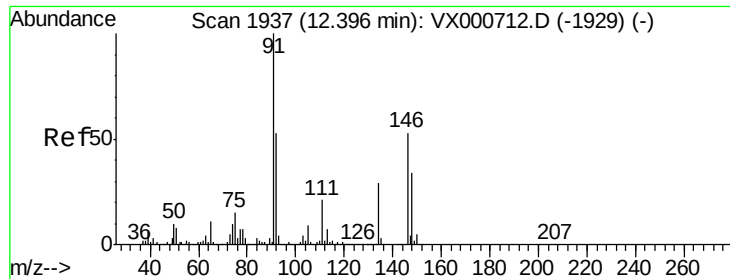
sam
 4/9/2018 2:02:06 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.843 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX000711.D
 Acq: 07 Apr 2018 12:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.2	54.6
148	64.8	32.1	96.5





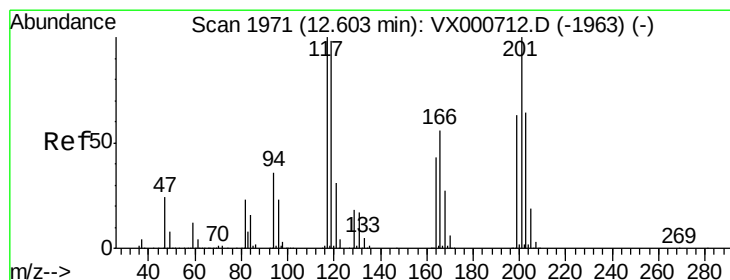
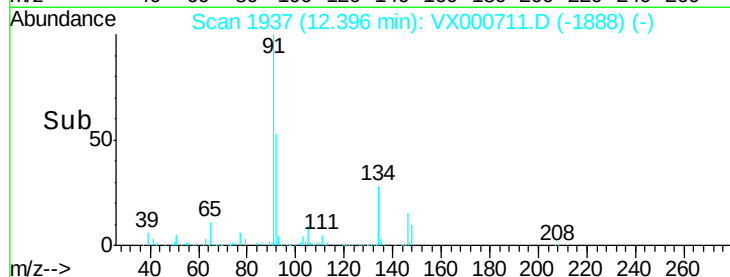
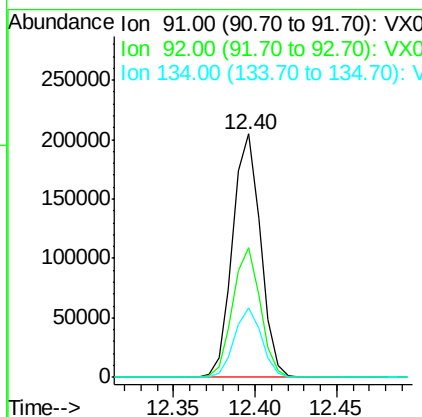
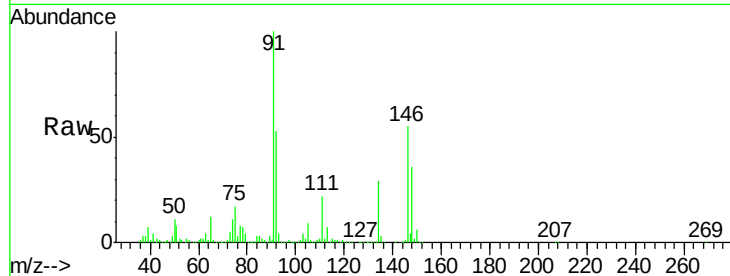
#89
n-Butylbenzene
Concen: 19.991 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	243595		
92	52.7		26.7	80.0
134	28.0		14.4	43.0

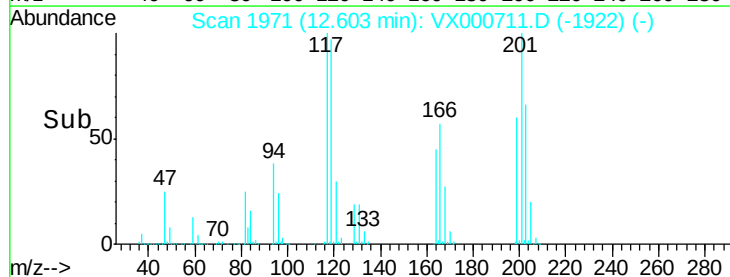
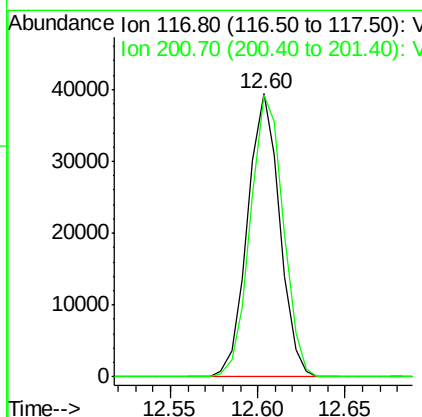
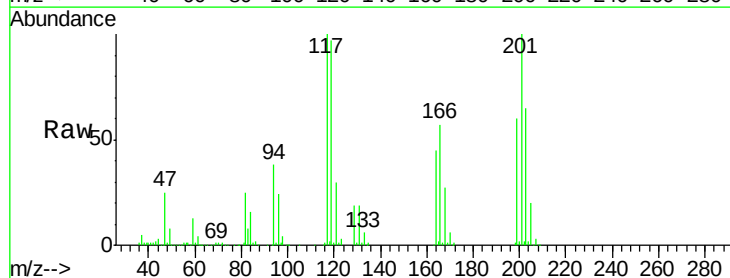
Manual Integrations
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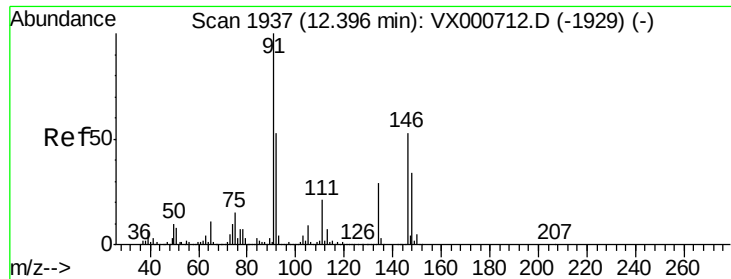
sam
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#90
Hexachloroethane
Concen: 19.933 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	50157		
201	101.9		51.2	153.6





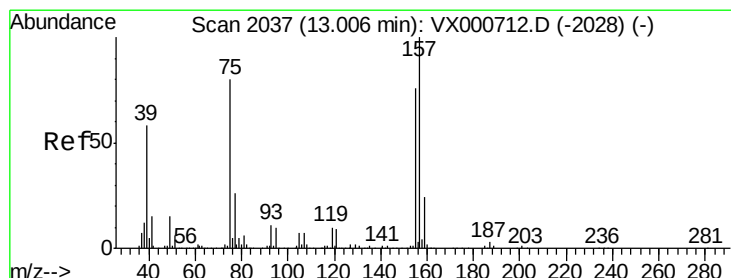
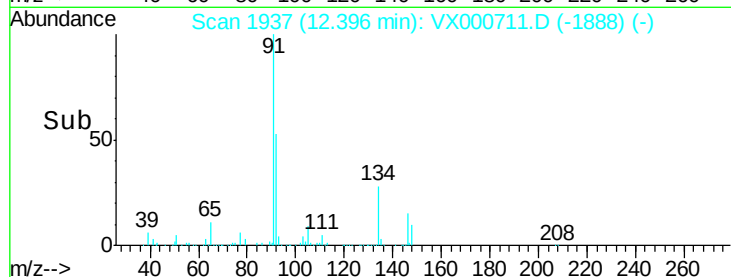
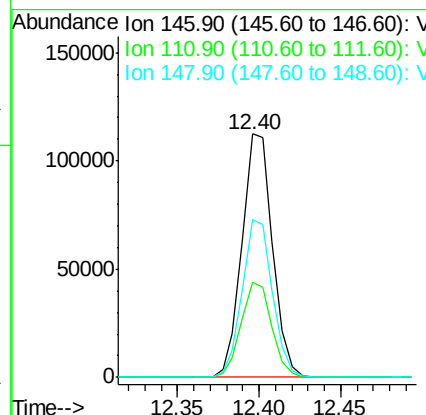
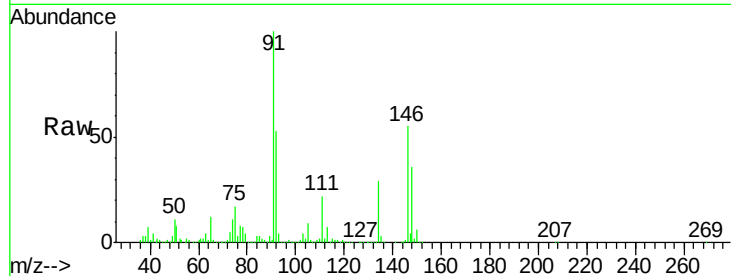
#91
 1,2-Dichlorobenzene
 Concen: 19.804 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX000711.D
 Acq: 07 Apr 2018 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	147352		
111	39.1	19.3	57.9	
148	64.0	31.9	95.7	

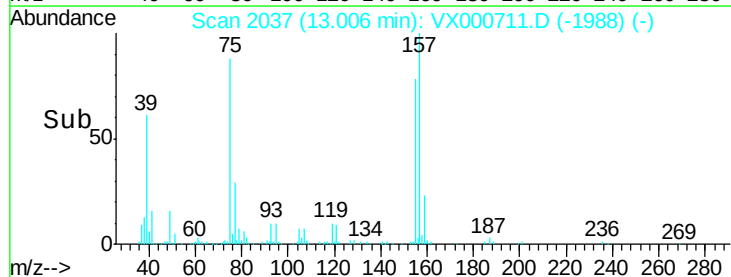
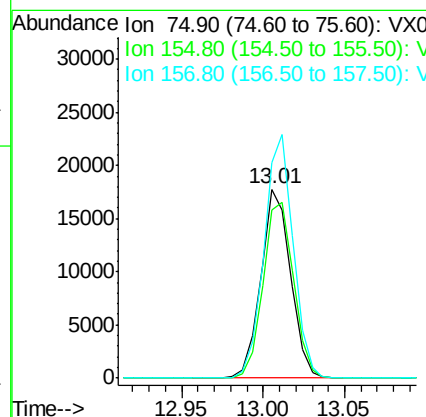
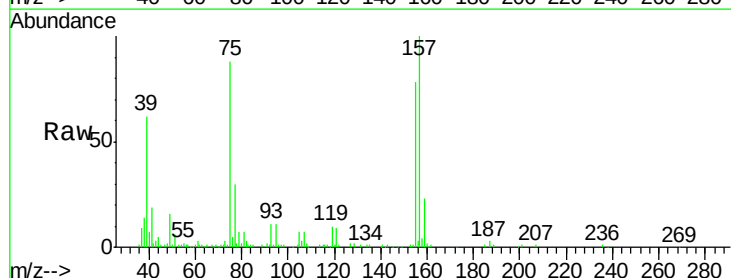
Manual Integrations
 APPROVED

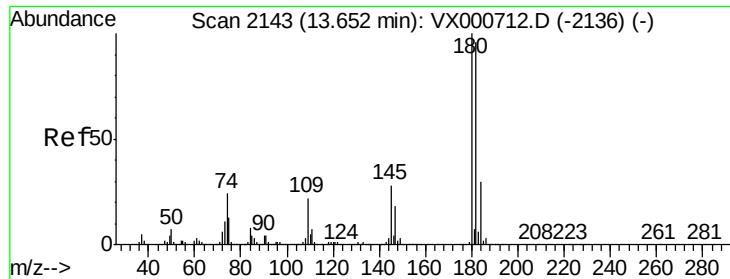
sam
 4/9/2018 2:02:06 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.675 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX000711.D
 Acq: 07 Apr 2018 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22412		
155	95.9	48.4	145.0	
157	126.0	62.8	188.5	





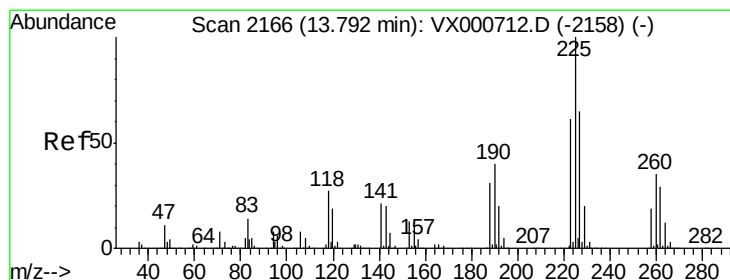
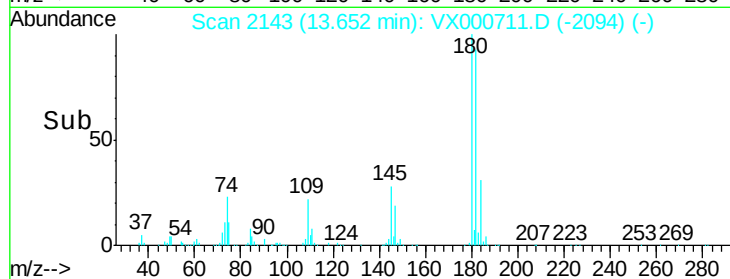
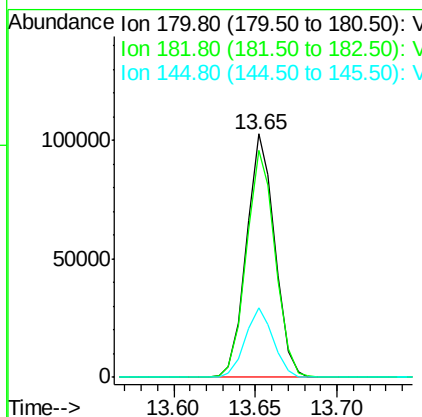
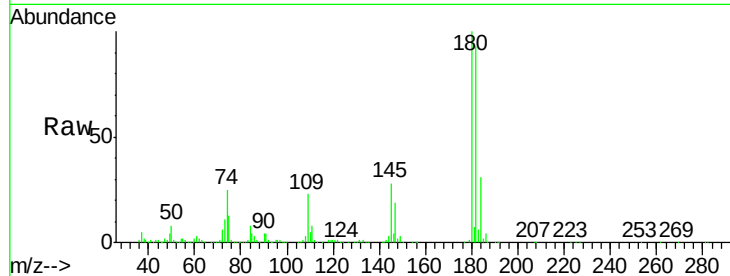
#93
 1,2,4-Trichlorobenzene
 Concen: 19.828 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000711.D
 Acq: 07 Apr 2018 12:14

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	123825		
182	94.9	47.9	143.7	
145	28.3	14.1	42.3	

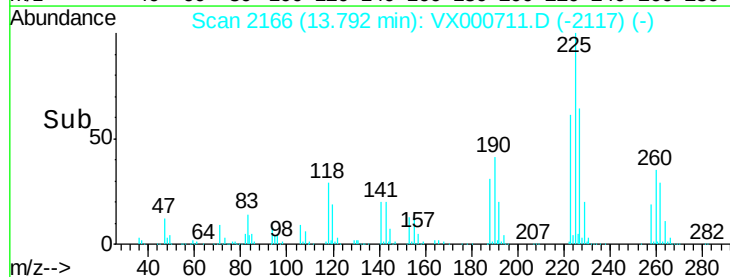
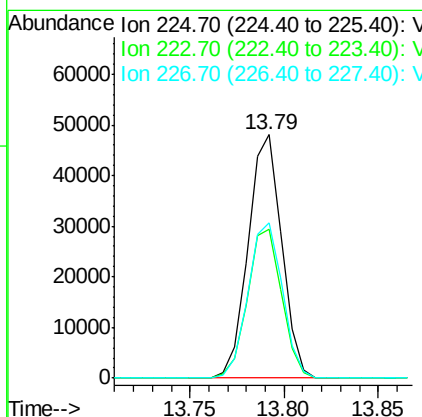
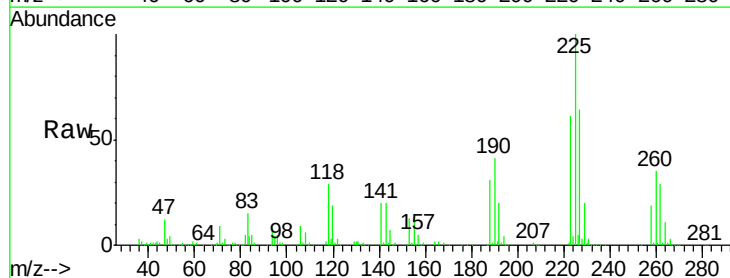
Manual Integrations
 APPROVED

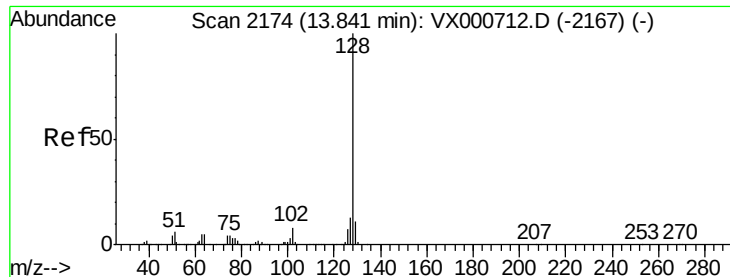
sam
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#94
 Hexachlorobutadiene
 Concen: 19.405 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VX000711.D
 Acq: 07 Apr 2018 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	59461		
223	62.2	30.9	92.8	
227	65.1	31.9	95.7	





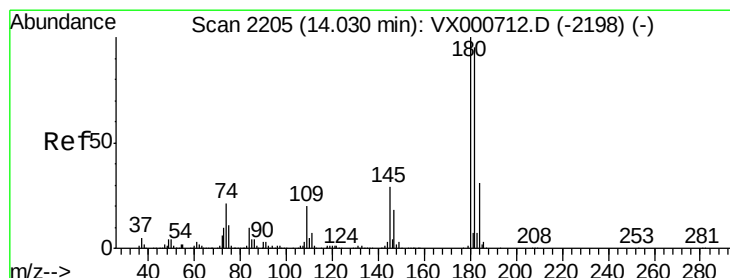
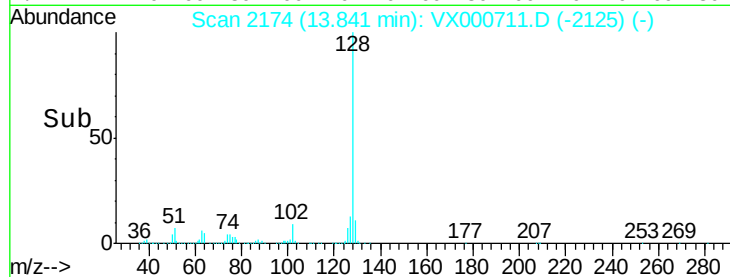
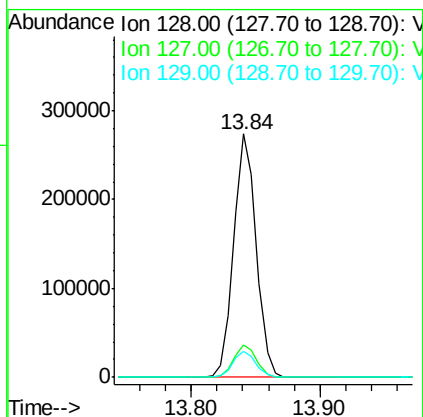
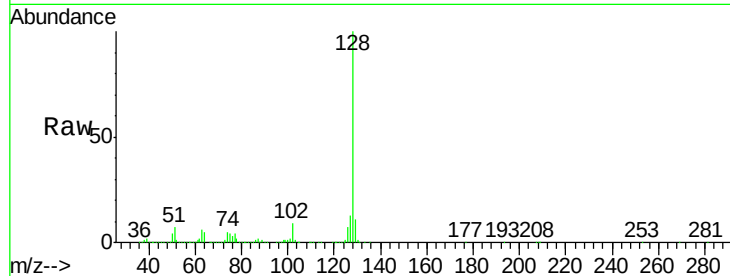
#95
Naphthalene
Concen: 19.721 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	334151		
127	13.2	10.4	15.6	
129	10.8	8.8	13.2	

Manual Integrations
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sam
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#96
1,2,3-Trichlorobenzene
Concen: 19.466 ug/l
RT: 14.03 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VX000711.D
Acq: 07 Apr 2018 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	118913		
182	97.1	47.8	143.3	
145	30.5	14.9	44.9	

