

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071918\
 Data File : VX003469.D
 Acq On : 19 Jul 2018 16:34
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 5:22:11 PM

Quant Time: Jul 19 17:05:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 15:12:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	314951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	460752	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	416706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	234943	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	4102	1.23	ug/l	89
3) Chloromethane	1.32	50	5164	1.30	ug/l	98
4) Vinyl Chloride	1.40	62	4596	1.11	ug/l	95
5) Bromomethane	1.64	94	4959	1.99	ug/l	89
6) Chloroethane	1.73	64	2769	1.02	ug/l #	79
7) Trichlorofluoromethane	1.93	101	6313	0.94	ug/l	92
8) Diethyl Ether	2.19	74	2680	1.05	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	2.39	101	4457	1.19	ug/l	93
10) Methyl Iodide	2.52	142	3819	0.83	ug/l	95
11) Tert butyl alcohol	3.07	59	4557	4.61	ug/l #	93
12) 1,1-Dichloroethene	2.37	96	3749	1.07	ug/l	82
13) Acrolein	2.30	56	1964	3.91	ug/l	95
14) Allyl chloride	2.73	41	6279	0.90	ug/l	93
15) Acrylonitrile	3.15	53	10905	5.05	ug/l	99
16) Acetone	2.45	43	8255	3.91	ug/l #	85
17) Carbon Disulfide	2.57	76	13316	1.60	ug/l	96
18) Methyl Acetate	2.78	43	5249	0.93	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	11306	0.86	ug/l	95
20) Methylene Chloride	2.86	84	5978	1.38	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	4497	1.18	ug/l	88
22) Diisopropyl ether	3.87	45	11653	0.92	ug/l #	95
23) Vinyl Acetate	3.82	43	48478	4.58	ug/l #	94
24) 1,1-Dichloroethane	3.70	63	7052	1.03	ug/l	96
25) 2-Butanone	4.71	43	13464	4.86	ug/l #	89
26) 2,2-Dichloropropane	4.59	77	5267	1.07	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	4693	1.21	ug/l #	1
28) Bromochloromethane	5.02	49	3339	1.04	ug/l #	79
29) Tetrahydrofuran	5.17	42	9114	5.01	ug/l	93
30) Chloroform	5.21	83	6695	1.01	ug/l	99
31) Cyclohexane	5.57	56	6074	1.08	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	5576	1.01	ug/l #	51
36) 1,1-Dichloropropene	5.79	75	5821	1.19	ug/l	96
37) Ethyl Acetate	4.86	43	4903	0.89	ug/l #	76
38) Carbon Tetrachloride	5.79	117	5235	1.07	ug/l	92

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	6544	1.14	ug/l #	91
40) Benzene	6.15	78	16141	1.10	ug/l	95
41) Methacrylonitrile	5.06	41	3302	1.06	ug/l	96
42) 1,2-Dichloroethane	6.20	62	5036	0.89	ug/l	96
43) Isopropyl Acetate	6.47	43	7864	0.86	ug/l #	92
44) Trichloroethene	7.22	130	4980	1.18	ug/l	95
45) 1,2-Dichloropropane	7.52	63	4153	1.08	ug/l	96
46) Dibromomethane	7.67	93	2597	1.01	ug/l	89
47) Bromodichloromethane	7.90	83	4439	0.97	ug/l #	89
48) Methyl methacrylate	7.78	41	3821	0.81	ug/l	86
49) 1,4-Dioxane	7.76	88	1768	19.91	ug/l #	82
51) 4-Methyl-2-Pentanone	8.65	43	23285	3.95	ug/l	94
52) Toluene	8.79	92	10056	1.07	ug/l	96
53) t-1,3-Dichloropropene	8.44	75	5123	0.96	ug/l	96
54) cis-1,3-Dichloropropene	9.04	75	4546	0.92	ug/l #	88
55) 1,1,2-Trichloroethane	9.22	97	3901	1.03	ug/l	97
56) Ethyl methacrylate	9.18	69	4614	0.79	ug/l #	88
57) 1,3-Dichloropropane	9.37	76	6186	0.97	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	12538	4.45	ug/l	98
59) 2-Hexanone	9.50	43	16575	3.73	ug/l	91
60) Dibromochloromethane	9.59	129	3330	0.91	ug/l	99
61) 1,2-Dibromoethane	9.68	107	3973	1.01	ug/l	100
64) Tetrachloroethene	9.34	164	5859	1.27	ug/l	92
65) Chlorobenzene	10.14	112	12011	1.17	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	3696	1.06	ug/l #	67
67) Ethyl Benzene	10.26	91	17951	1.04	ug/l	95
68) m/p-Xylenes	10.36	106	13581	2.04	ug/l	96
69) o-Xylene	10.70	106	6619	1.01	ug/l	94
70) Styrene	10.71	104	9987	0.93	ug/l	96
71) Bromoform	10.86	173	2440	0.93	ug/l #	94
73) Isopropylbenzene	11.02	105	16765	1.07	ug/l	100
74) N-amyl acetate	6.47	43	7864	1.01	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.27	83	5166	1.11	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	4574m	1.03	ug/l	
77) Bromobenzene	11.26	156	5252	1.20	ug/l	96
78) n-propylbenzene	11.37	91	18362	1.02	ug/l	97
79) 2-Chlorotoluene	11.43	91	11950	1.11	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	13030	0.98	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	1033	0.88	ug/l #	82
82) 4-Chlorotoluene	11.51	91	14227	1.12	ug/l	99
83) tert-Butylbenzene	11.77	119	13272	1.04	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	13062	0.96	ug/l	99
85) sec-Butylbenzene	11.94	105	16142	1.01	ug/l	98
86) p-Isopropyltoluene	12.07	119	13988	0.97	ug/l	97
87) 1,3-Dichlorobenzene	12.03	146	10201	1.27	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	11415m	1.40	ug/l	
89) n-Butylbenzene	12.39	91	12886	1.01	ug/l	99
90) Hexachloroethane	12.60	117	1967	0.99	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	9687	1.20	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	911	0.94	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	7440	1.27	ug/l	99
94) Hexachlorobutadiene	13.79	225	3538	1.15	ug/l	97
95) Naphthalene	13.83	128	16363	1.04	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	7035	1.19	ug/l	99

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

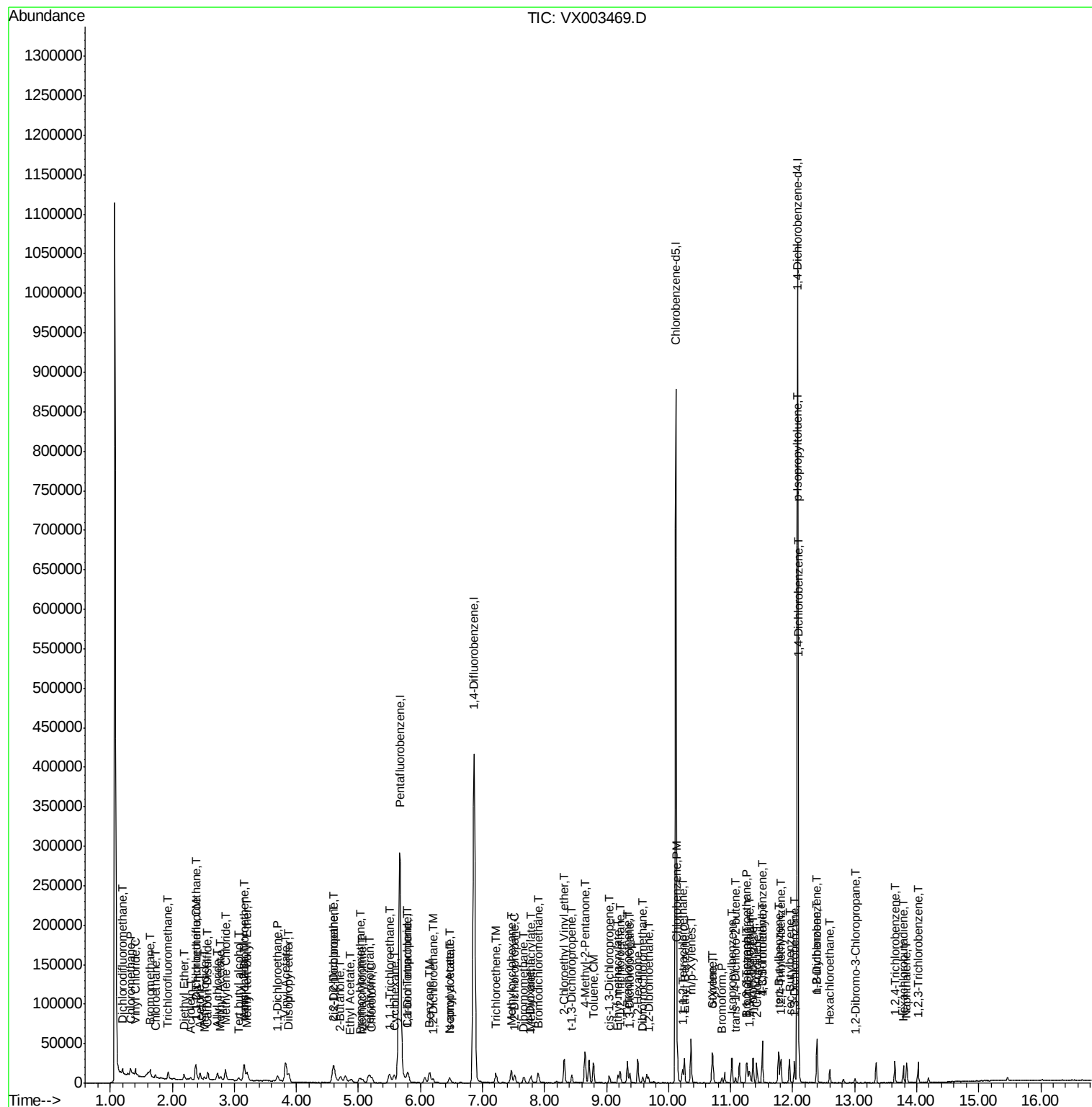
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071918\
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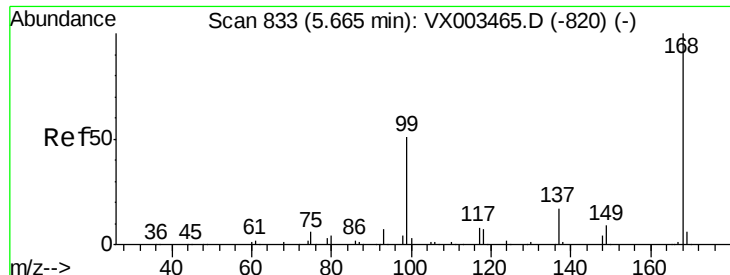
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 314951

Ion Ratio Lower Upper

168 100

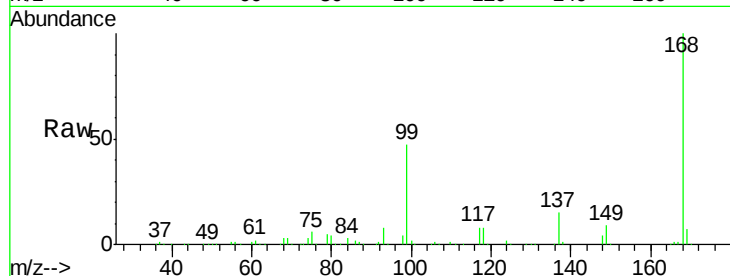
99 47.1 39.3 58.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

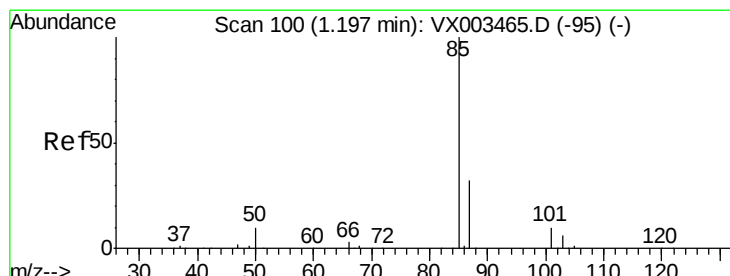
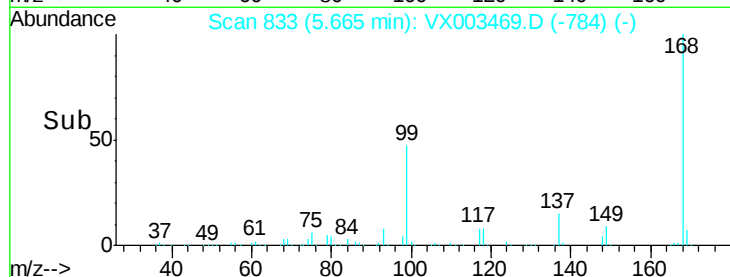
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 1.23 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003469.D

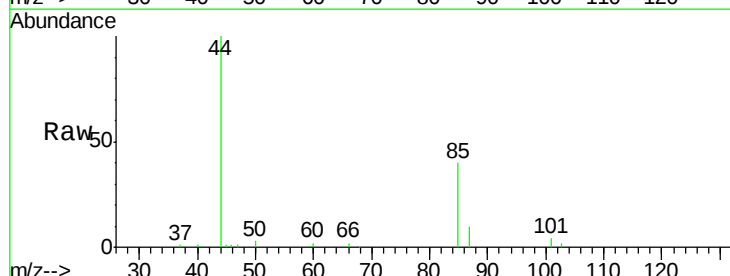
Acq: 19 Jul 2018 16:34

Tgt Ion: 85 Resp: 4102

Ion Ratio Lower Upper

85 100

87 25.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

5000

4000

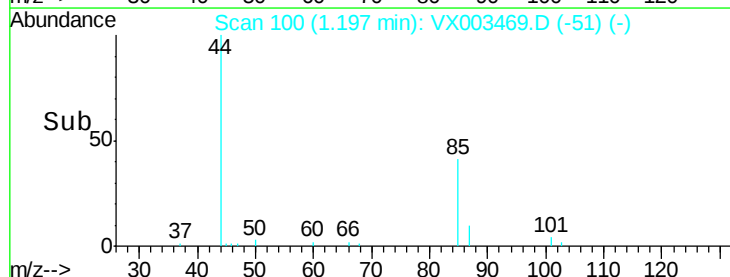
3000

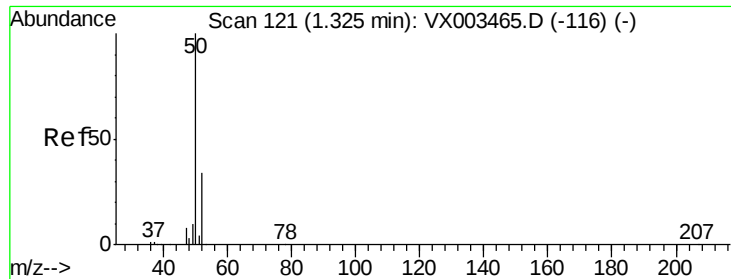
2000

1000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 1.30 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 5164

Ion Ratio Lower Upper

50 100

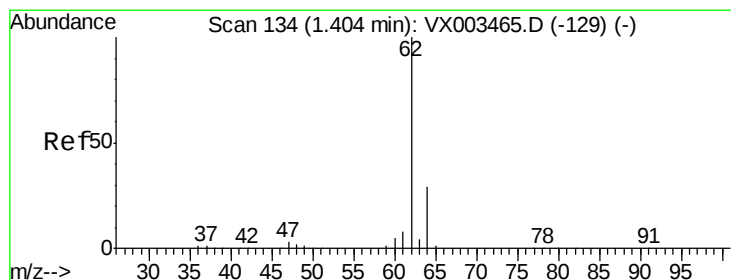
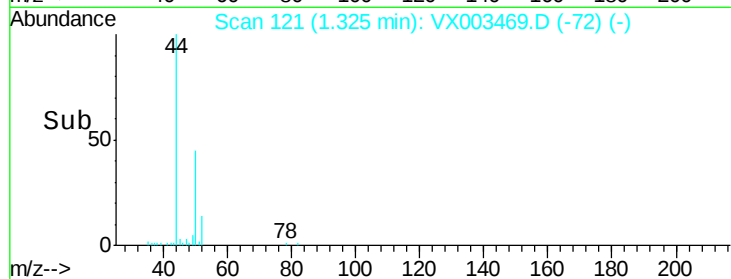
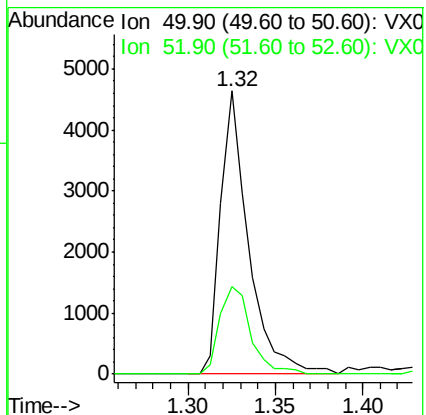
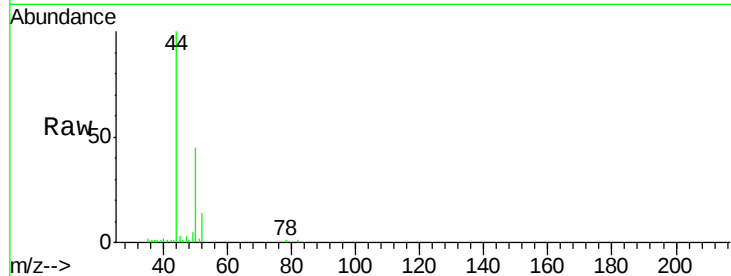
52 31.0 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 1.11 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003469.D

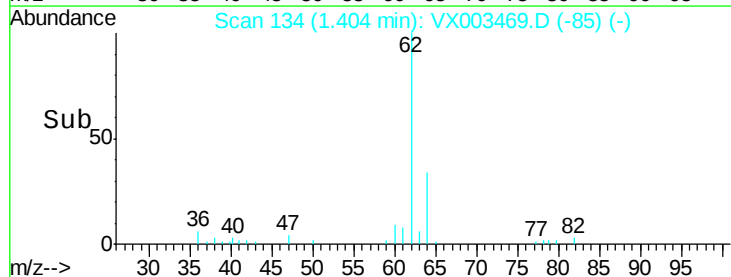
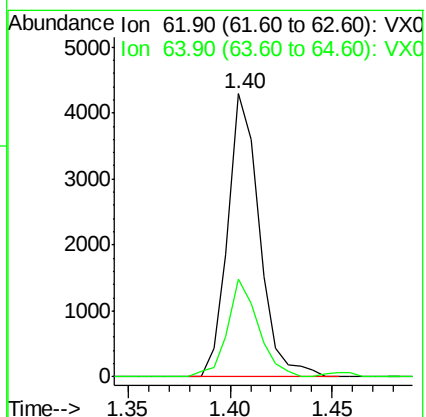
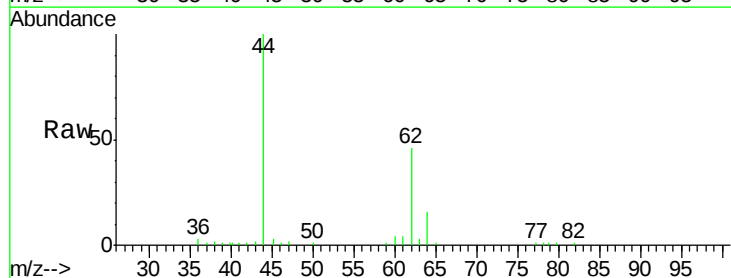
Acq: 19 Jul 2018 16:34

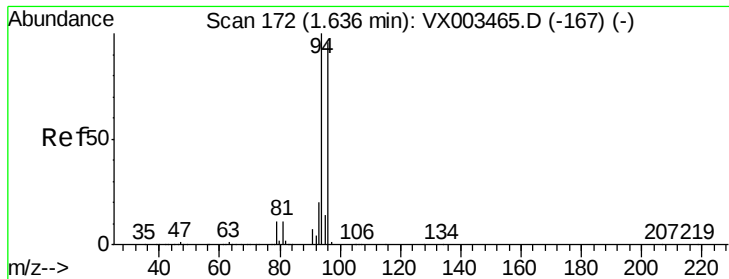
Tgt Ion: 62 Resp: 4596

Ion Ratio Lower Upper

62 100

64 34.5 25.4 38.2





#5

Bromomethane

Concen: 1.99 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 4959

Ion Ratio Lower Upper

94 100

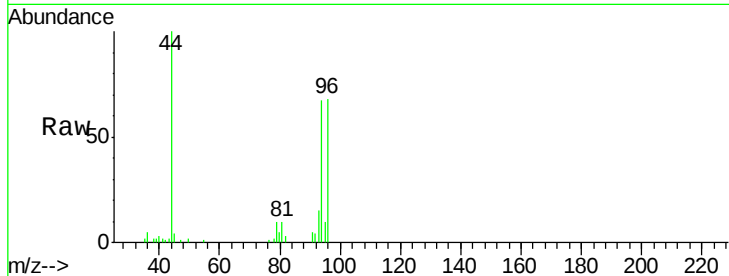
96 103.7 74.9 112.3

Manual Integrations

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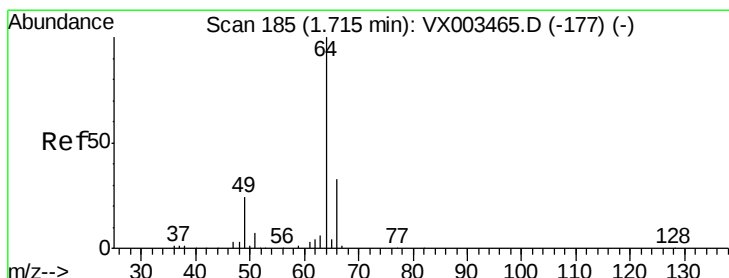
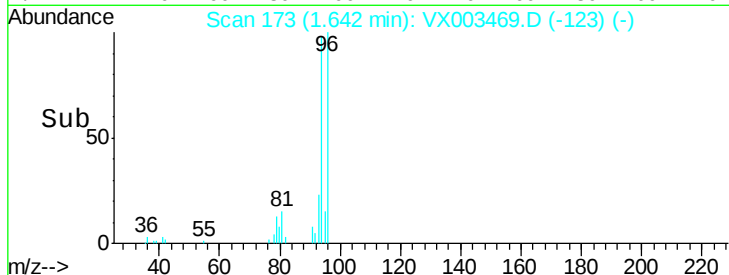
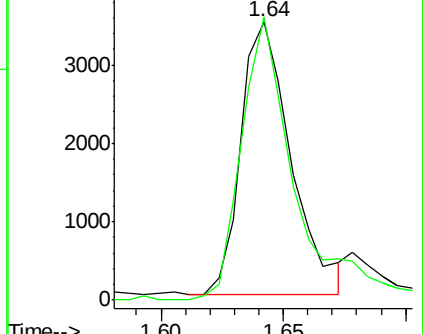
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.02 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX003469.D

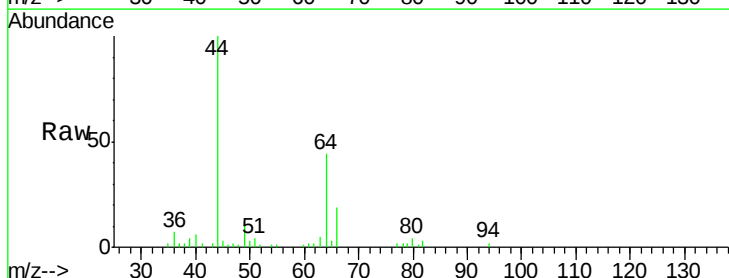
Acq: 19 Jul 2018 16:34

Tgt Ion: 64 Resp: 2769

Ion Ratio Lower Upper

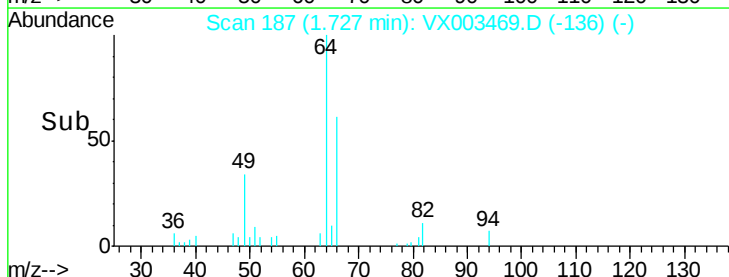
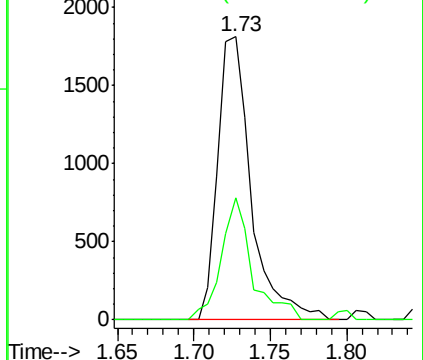
64 100

66 43.4 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 0.94 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.00 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:101 Resp: 6313

Ion Ratio Lower Upper

101 100

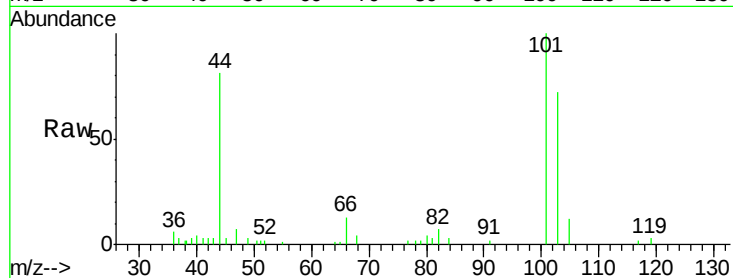
103 72.3 52.8 79.2

Manual Integrations

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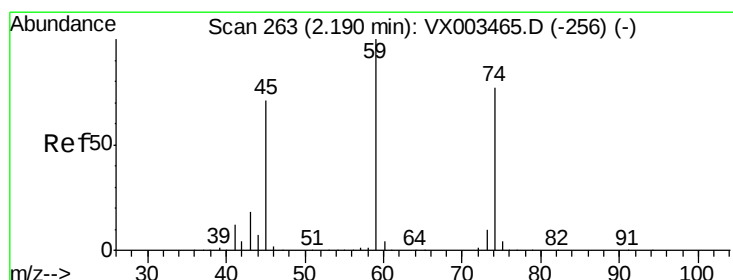
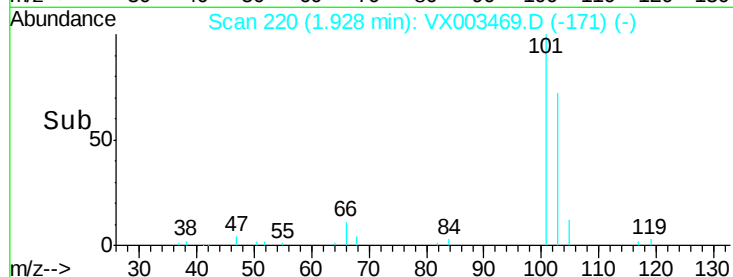
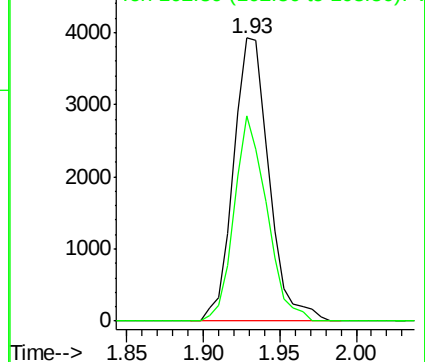
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 1.05 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX003469.D

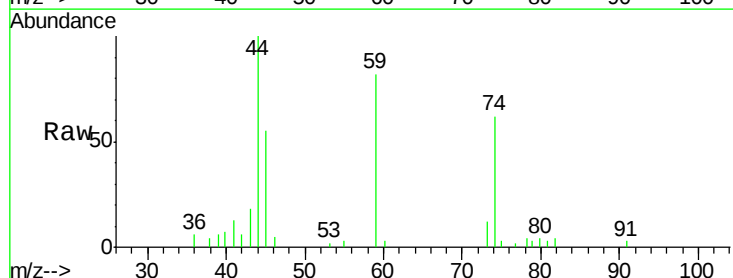
Acq: 19 Jul 2018 16:34

Tgt Ion: 74 Resp: 2680

Ion Ratio Lower Upper

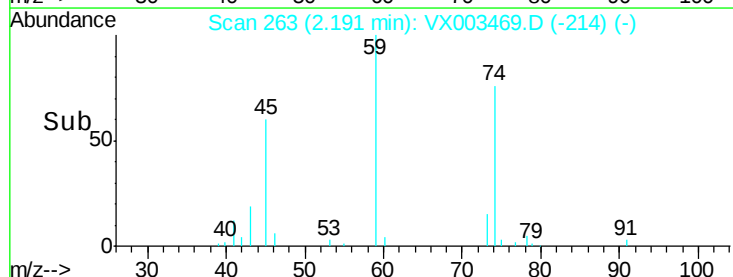
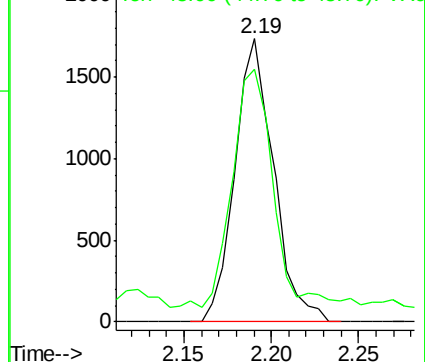
74 100

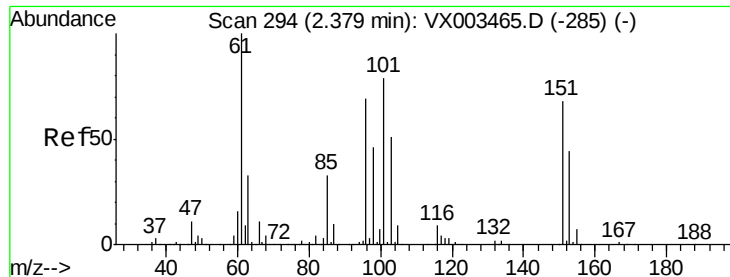
45 88.7 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.19 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003469.D

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Instrument :

MSVOA_X

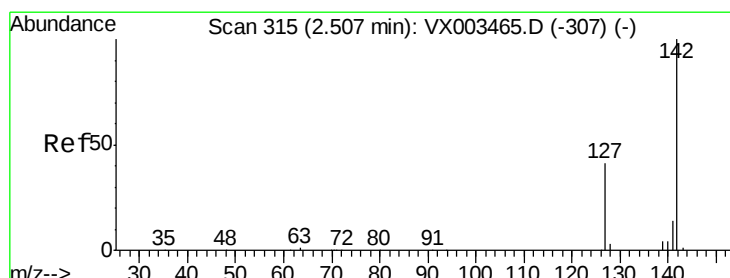
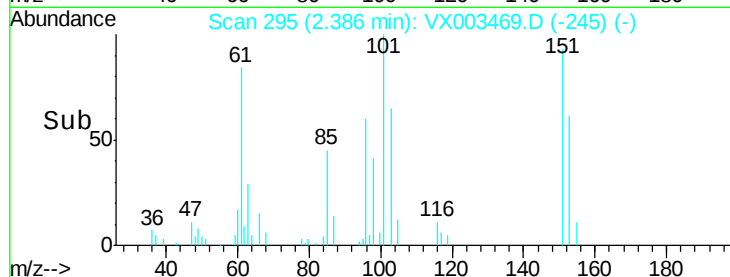
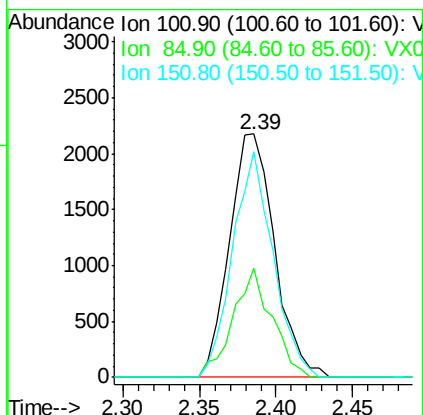
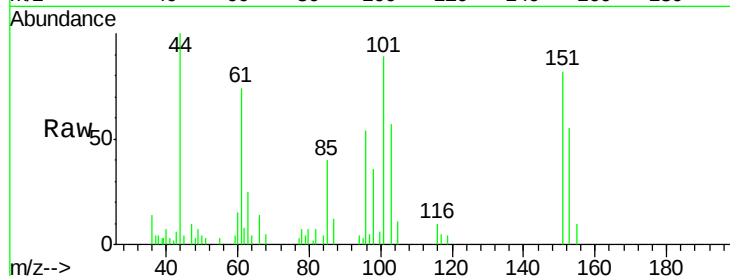
ClientSampleId :

VSTDIC001

Tot Ion:	101	Resp:	4457
Ion Ratio	Lower	Upper	
101	100		
85	38.6	36.0	54.0
151	83.1	70.9	106.3

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#10

Methyl Iodide

Concen: 0.83 ug/l

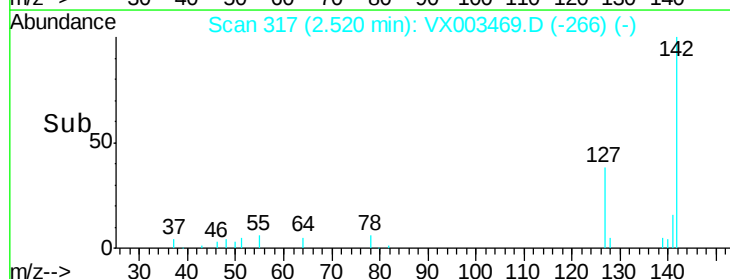
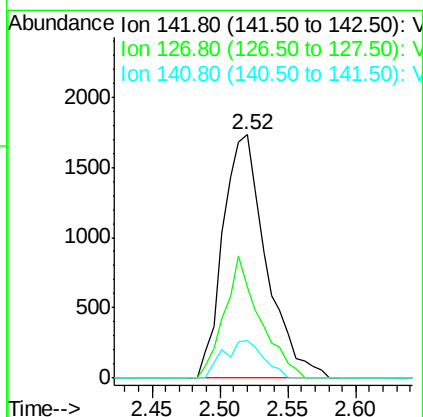
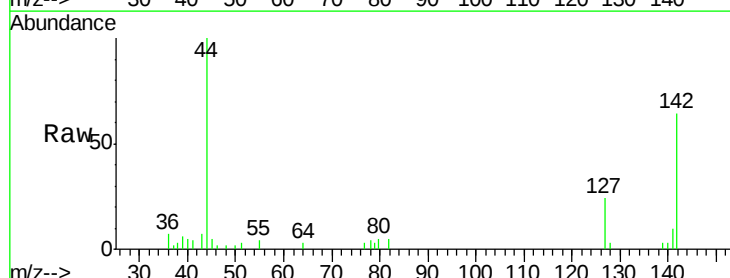
RT: 2.52 min Scan# 317

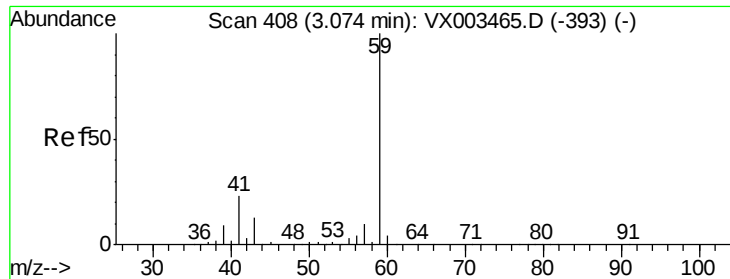
Delta R.T. 0.01 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

Tgt Ion:	142	Resp:	3819
Ion Ratio	Lower	Upper	
142	100		
127	41.3	36.6	55.0
141	14.5	11.3	16.9





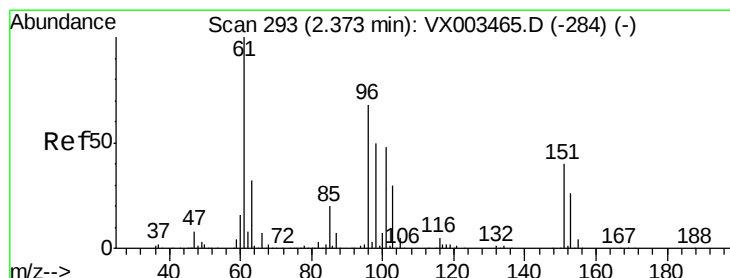
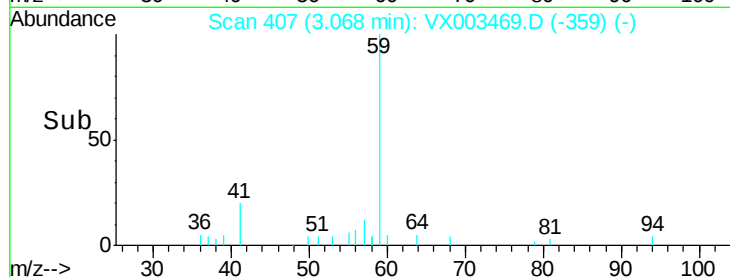
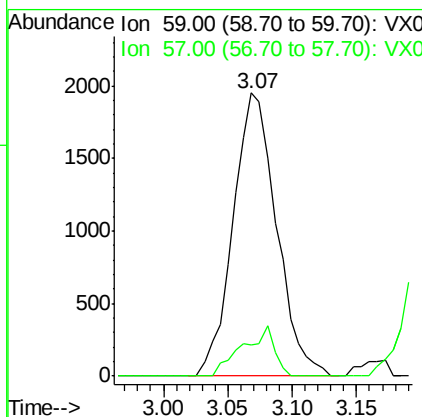
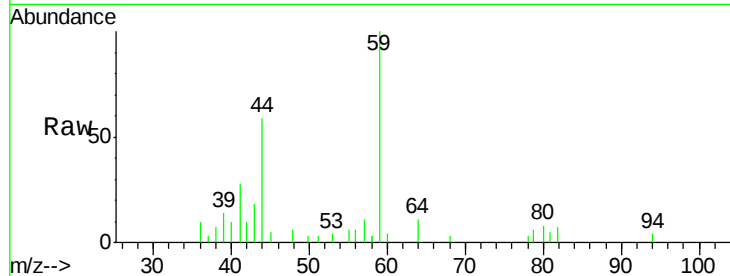
#11
Tert butyl alcohol
Concen: 4.61 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX003469.D
Acq: 19 Jul 2018 16:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 59 Resp: 4557
Ion Ratio Lower Upper
59 100
57 12.9 8.2 12.2#

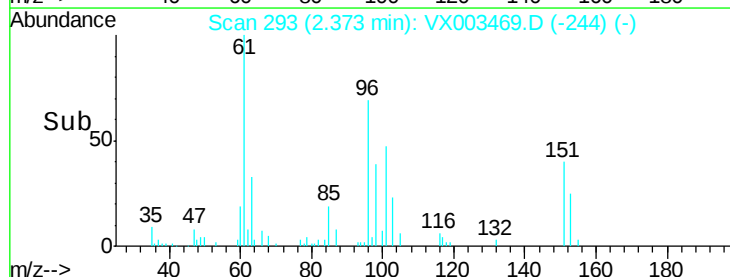
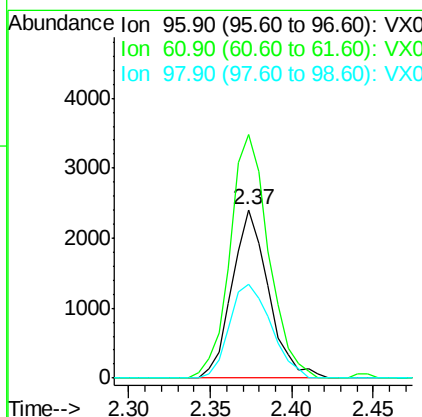
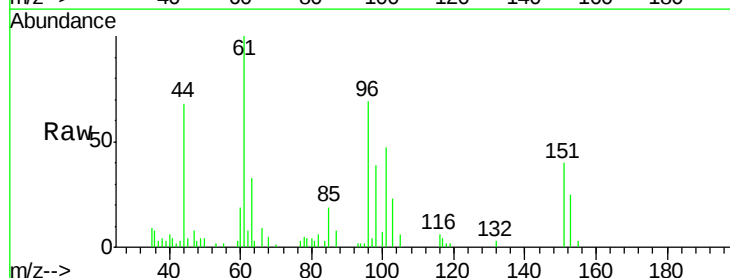
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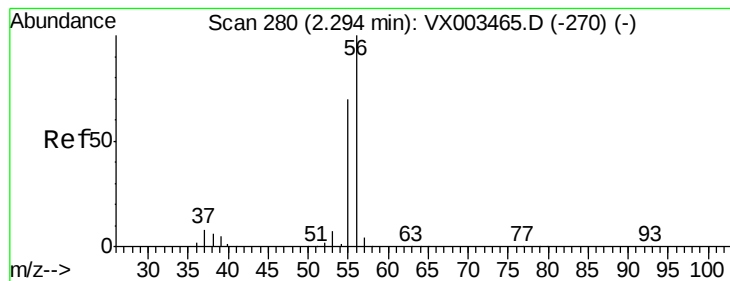
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#12
1,1-Dichloroethene
Concen: 1.07 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX003469.D
Acq: 19 Jul 2018 16:34

Tgt Ion: 96 Resp: 3749
Ion Ratio Lower Upper
96 100
61 144.7 137.9 206.9
98 55.9 51.6 77.4





#13

Acrolein

Concen: 3.91 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

Tot Ion: 56 Resp: 1964

Ion Ratio Lower Upper

56 100

55 75.3 57.0 85.4

Instrument :

MSVOA_X

ClientSampled :

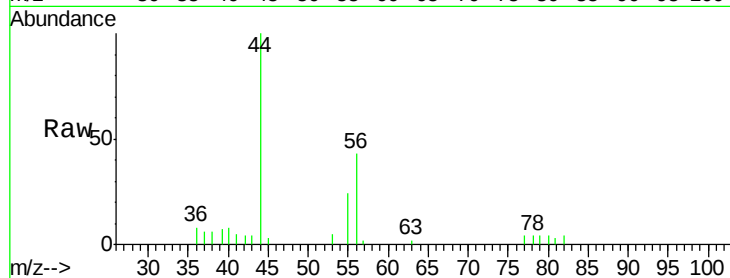
VSTDIC001

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

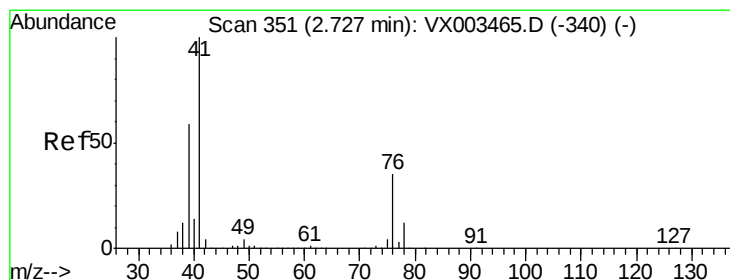
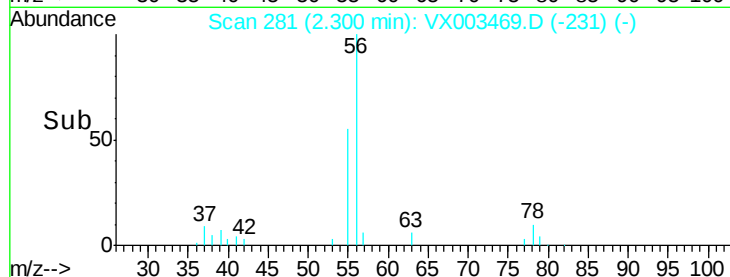
2.30

1000

500

0

Time-->



#14

Allyl chloride

Concen: 0.90 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

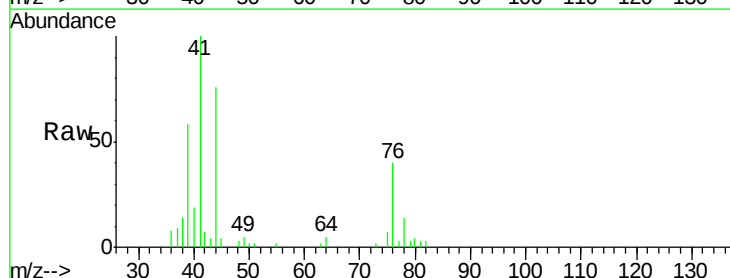
Tgt Ion: 41 Resp: 6279

Ion Ratio Lower Upper

41 100

39 66.3 56.8 85.2

76 35.5 23.8 35.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

2.73

4000

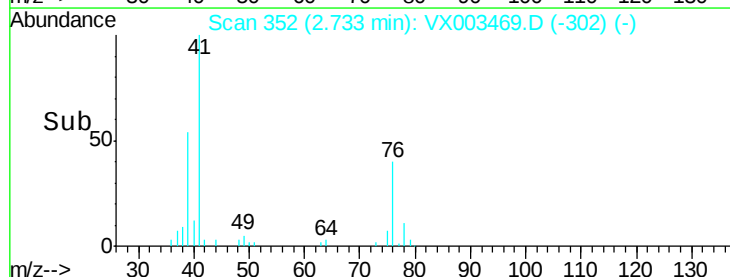
3000

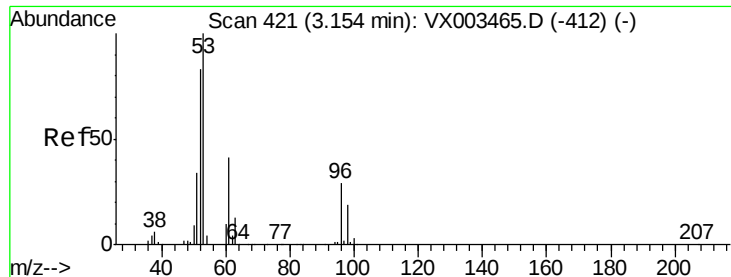
2000

1000

0

Time-->





#15

Acrylonitrile

Concen: 5.05 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

Instrument :

MSVOA_X

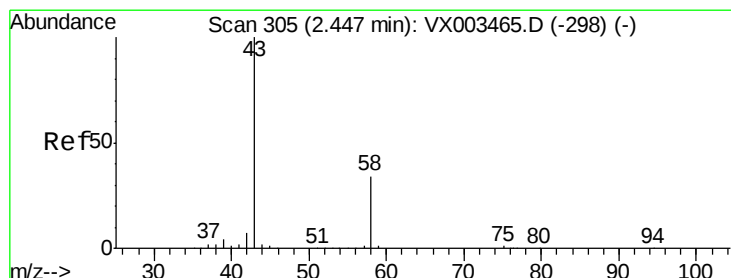
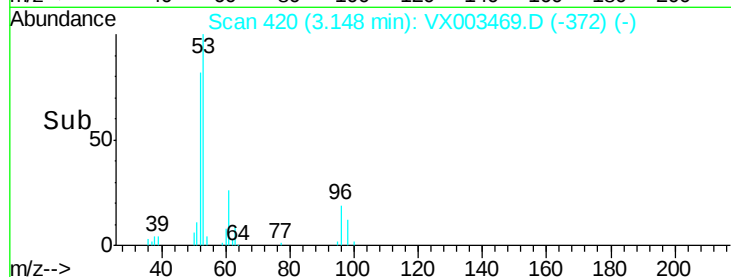
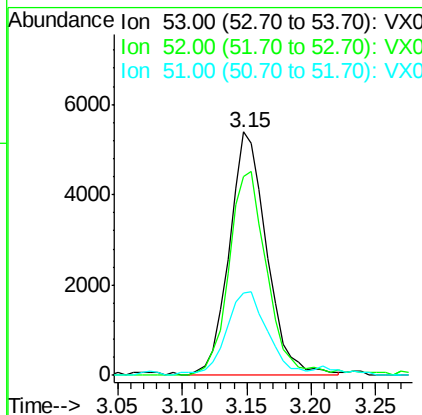
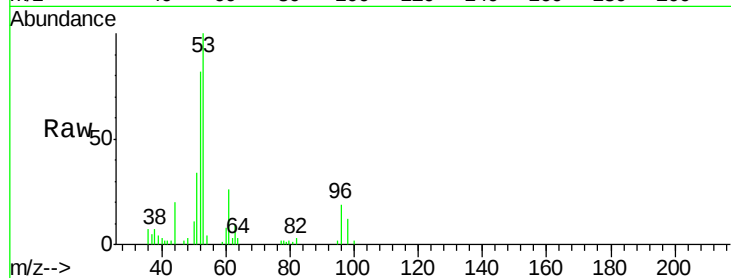
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	10905
Ion	Ratio	Lower	Upper
53	100		
52	84.6	66.7	100.1
51	37.8	29.9	44.9

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#16

Acetone

Concen: 3.91 ug/l

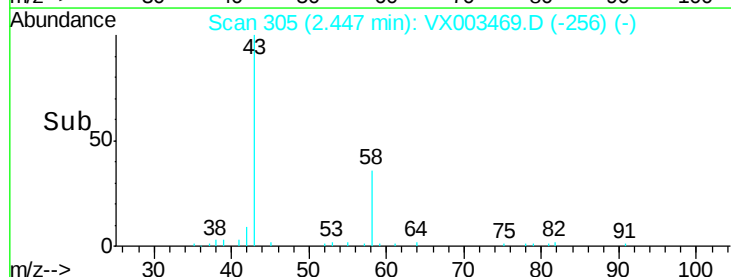
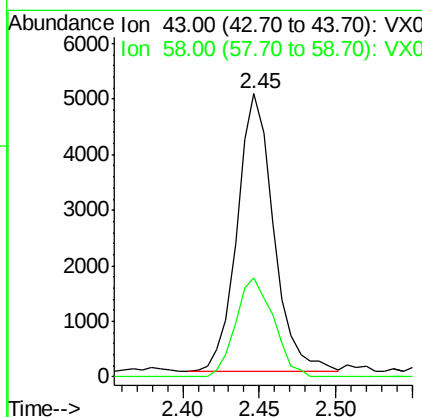
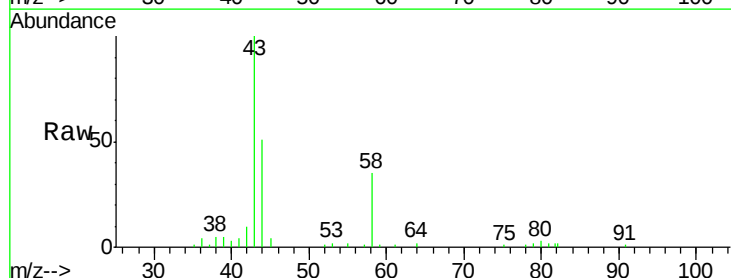
RT: 2.45 min Scan# 305

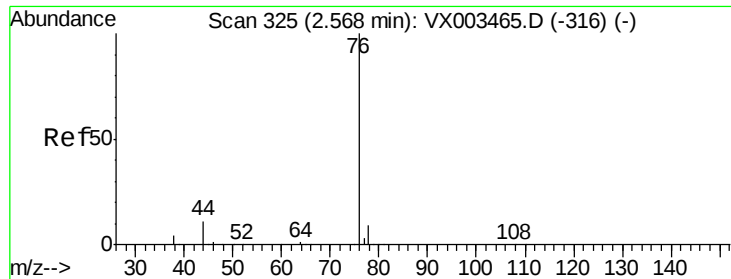
Delta R.T. 0.00 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

Tgt Ion:	43	Resp:	8255
Ion	Ratio	Lower	Upper
43	100		
58	35.7	22.1	33.1#





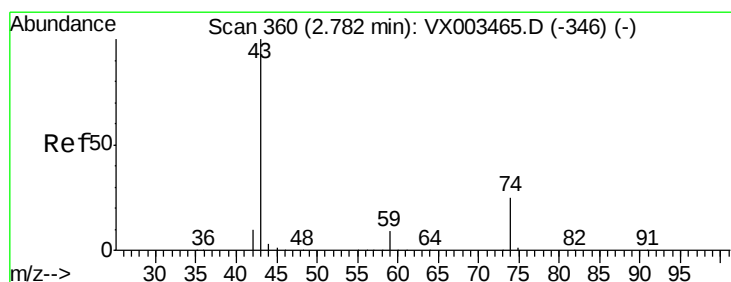
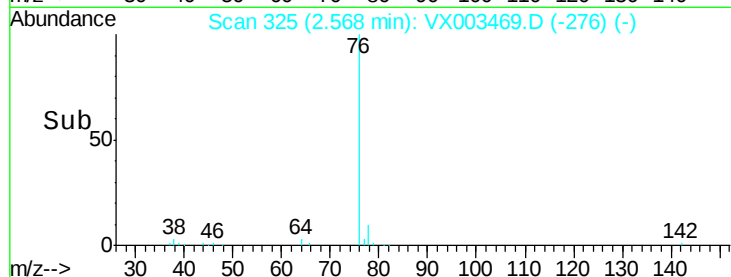
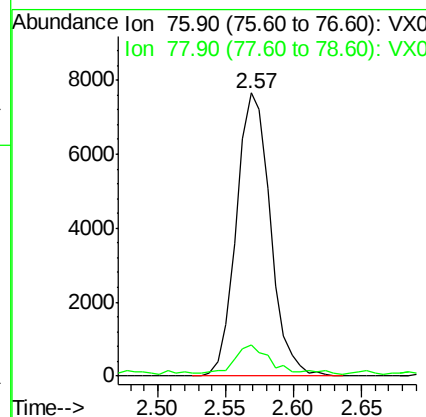
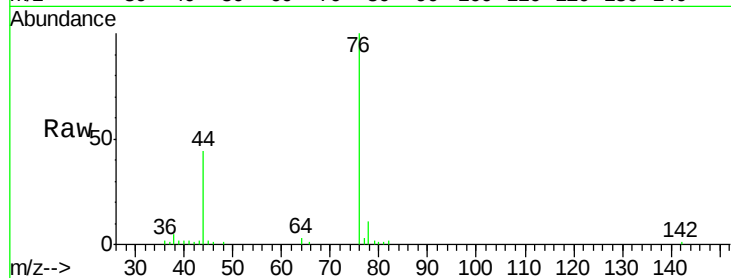
#17
Carbon Disulfide
Concen: 1.60 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003469.D
Acq: 19 Jul 2018 16:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.2	6.9	10.3

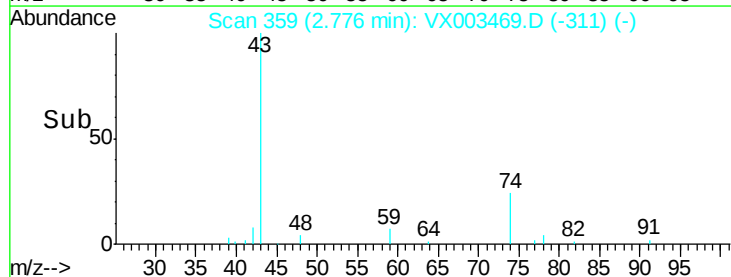
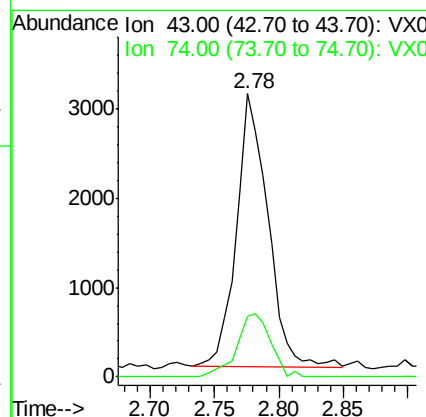
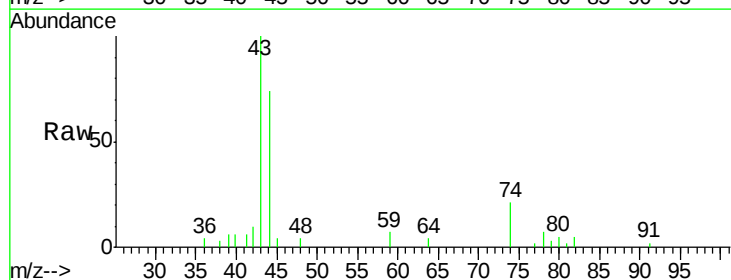
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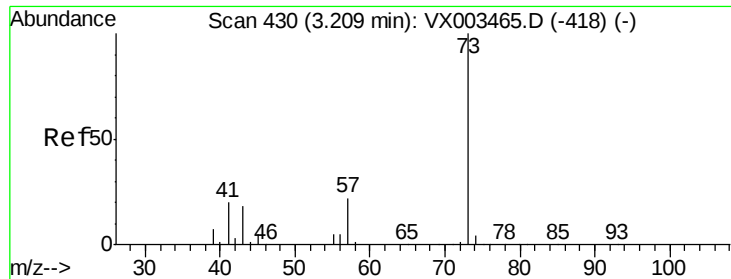
MMDadoda
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#18
Methyl Acetate
Concen: 0.93 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003469.D
Acq: 19 Jul 2018 16:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	16.7	25.1





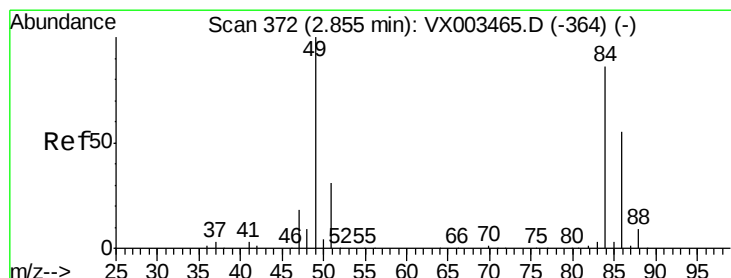
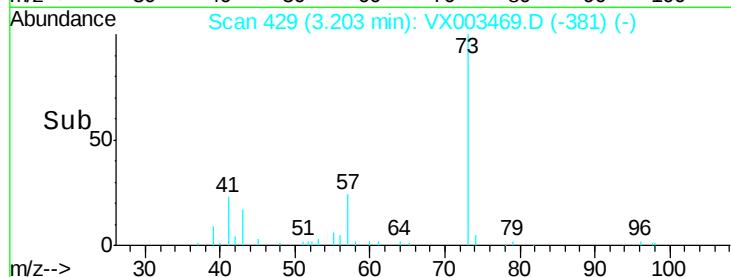
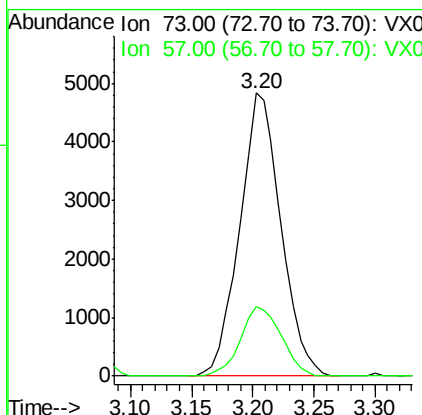
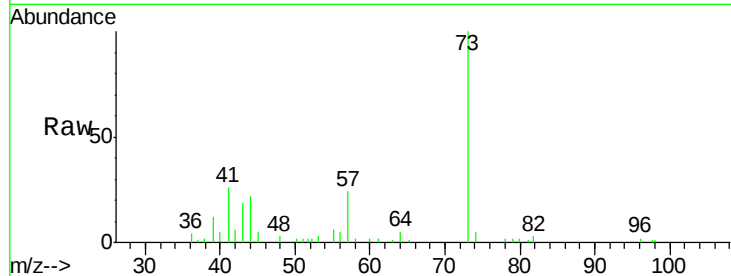
#19
Methvl tert-butvl Ether
Concen: 0.86 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX003469.D
Acq: 19 Jul 2018 16:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 73 Resp: 11306
Ion Ratio Lower Upper
73 100
57 24.5 17.7 26.5

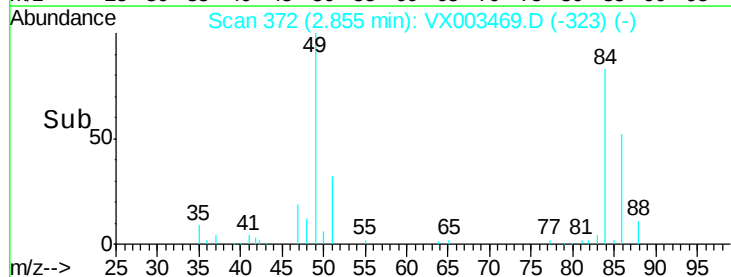
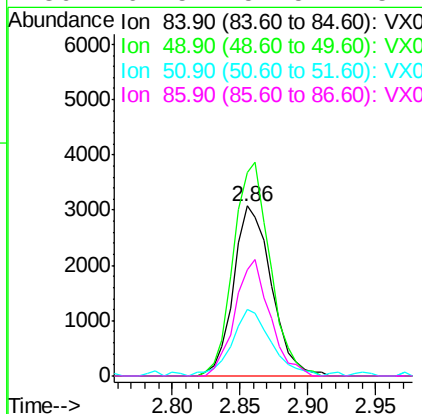
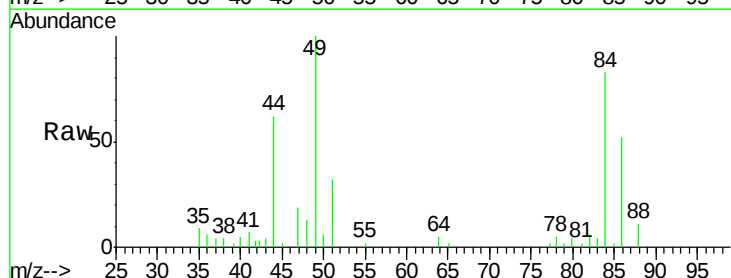
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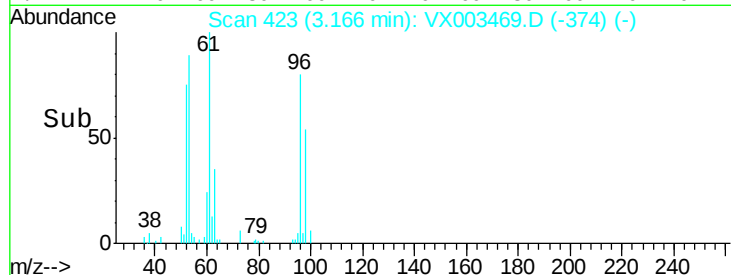
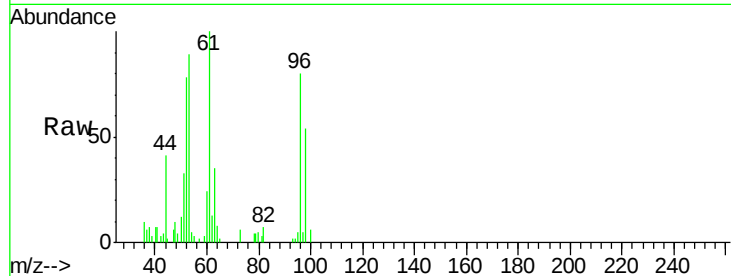
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#20
Methylene Chloride
Concen: 1.38 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003469.D
Acq: 19 Jul 2018 16:34

Tgt Ion: 84 Resp: 5978
Ion Ratio Lower Upper
84 100
49 120.2 107.8 161.6
51 39.0 32.8 49.2
86 62.5 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 1.18 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX003469.D

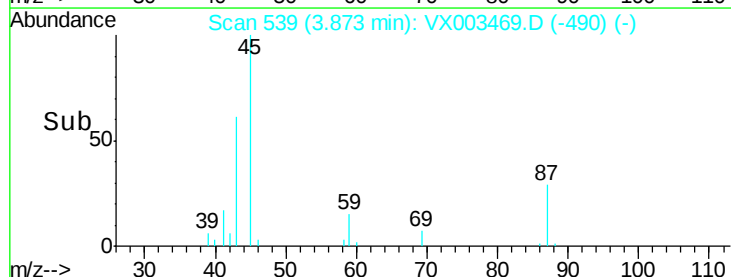
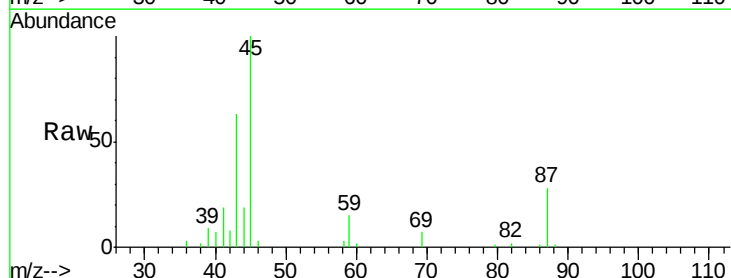
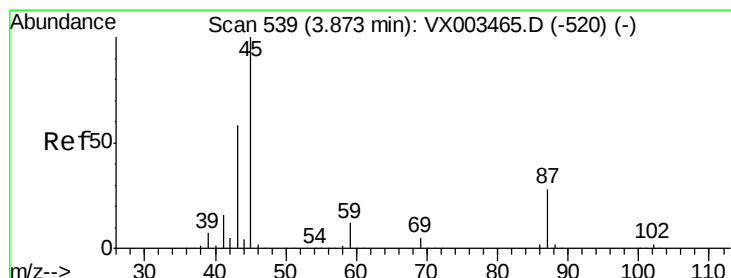
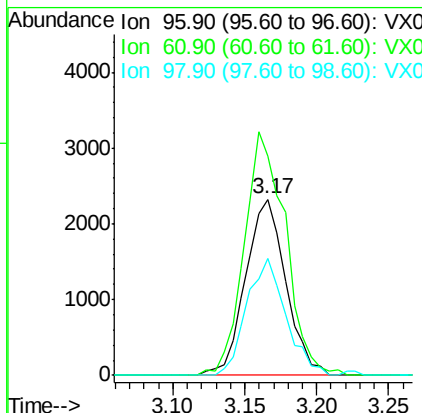
Acq: 19 Jul 2018 16:34

Tot Ion:	96	Resp:	4497
Ion	Ratio	Lower	Upper
96	100		
61	124.4	117.0	175.4
98	66.7	52.4	78.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

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#22

Diisopropyl ether

Concen: 0.92 ug/l

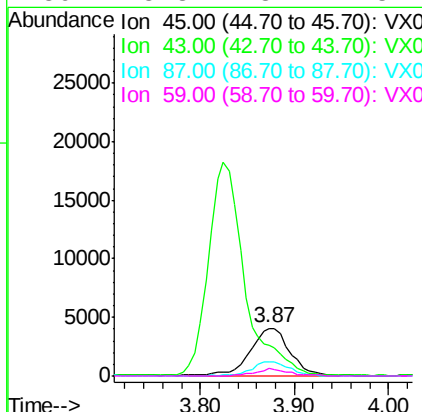
RT: 3.87 min Scan# 539

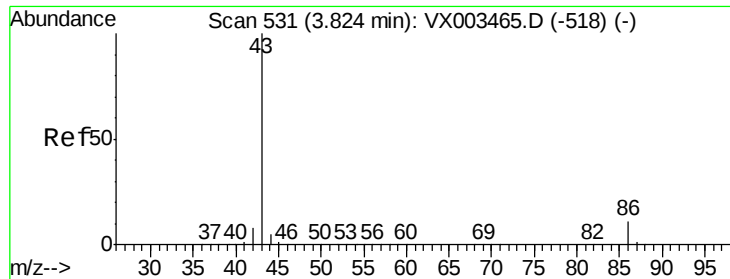
Delta R.T. 0.00 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

Tgt Ion:	45	Resp:	11653
Ion	Ratio	Lower	Upper
45	100		
43	60.8	46.8	70.2
87	28.8	20.2	30.4
59	15.3	8.7	13.1#





#23

Vinyl Acetate

Concen: 4.58 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 48478

Ion Ratio Lower Upper

43 100

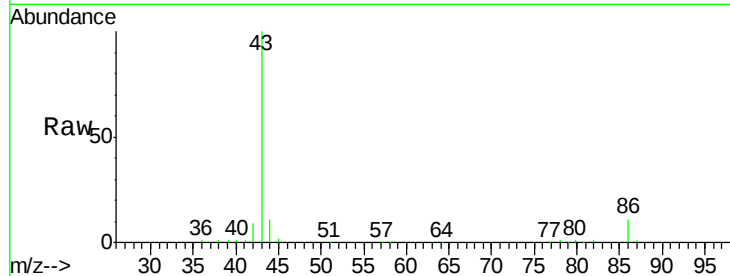
86 11.3 7.4 11.0#

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

20000

15000

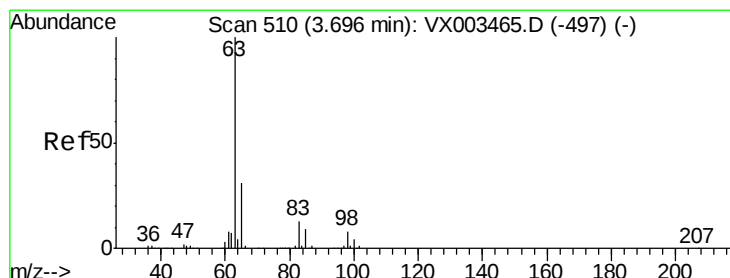
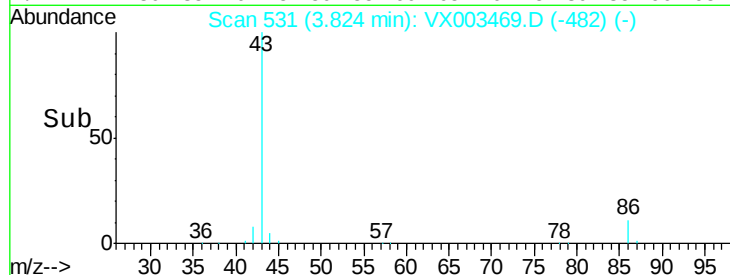
10000

5000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 1.03 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

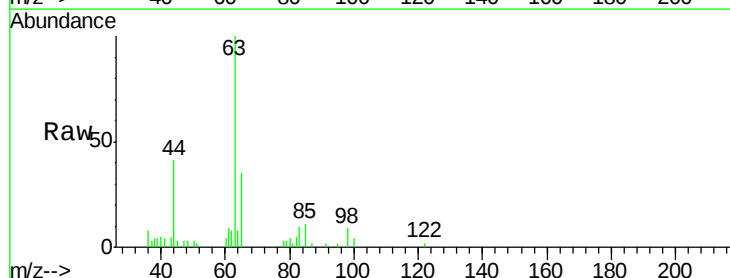
Tgt Ion: 63 Resp: 7052

Ion Ratio Lower Upper

63 100

98 9.0 3.4 10.2

100 4.2 2.0 6.0



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

4000

3000

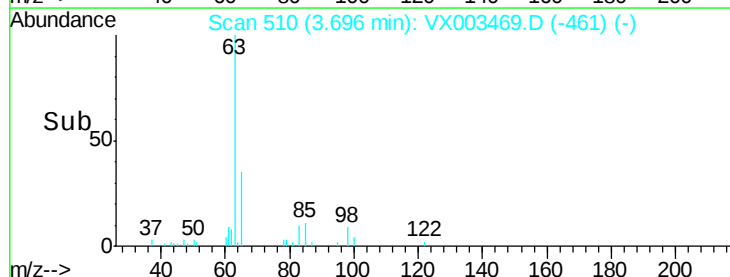
2000

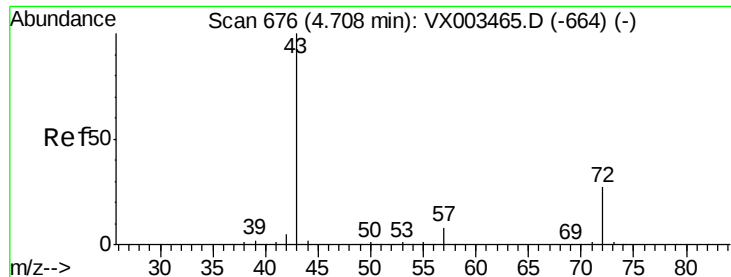
1000

0

3.60 3.65 3.70 3.75 3.80

Time-->





#25

2-Butanone

Concen: 4.86 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 13464

Ion Ratio Lower Upper

43 100

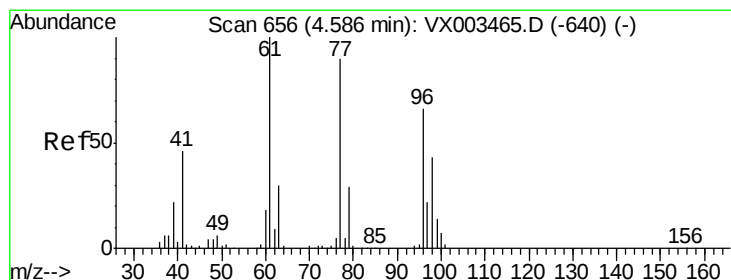
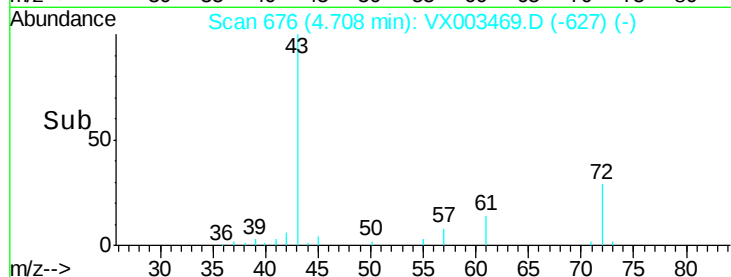
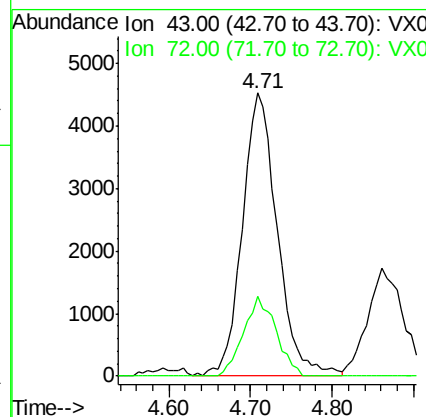
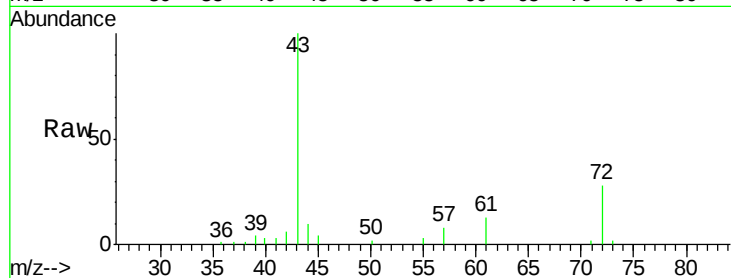
72 28.2 18.5 27.7#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 1.07 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003469.D

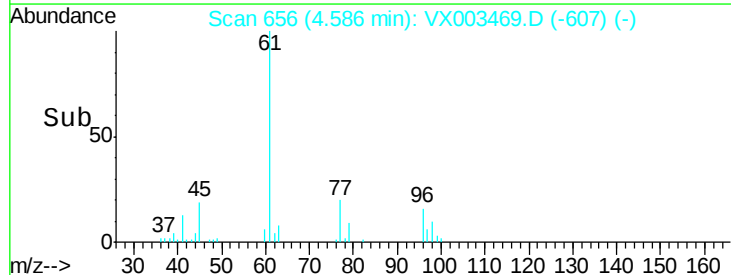
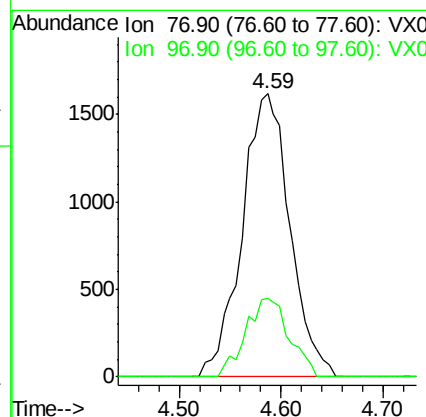
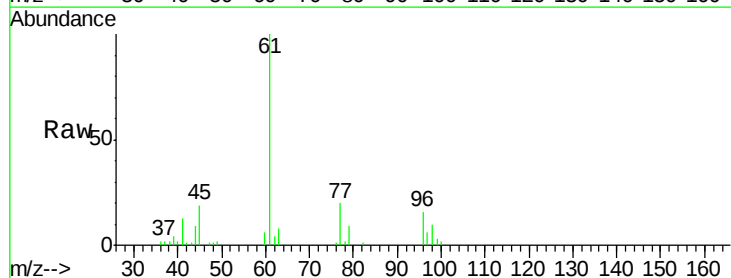
Acq: 19 Jul 2018 16:34

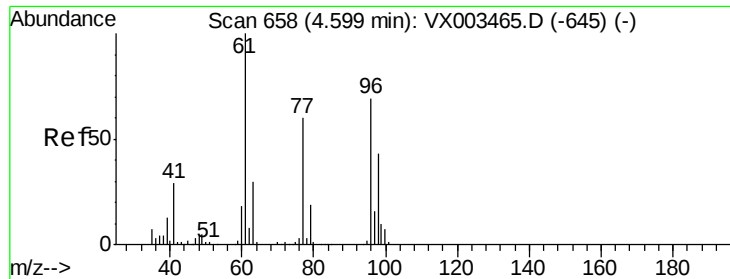
Tgt Ion: 77 Resp: 5267

Ion Ratio Lower Upper

77 100

97 25.3 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 1.21 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

Instrument :

MSVOA_X

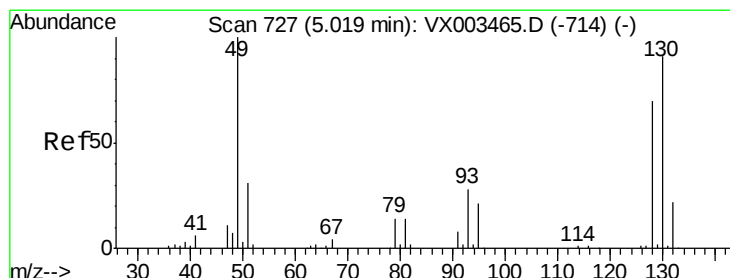
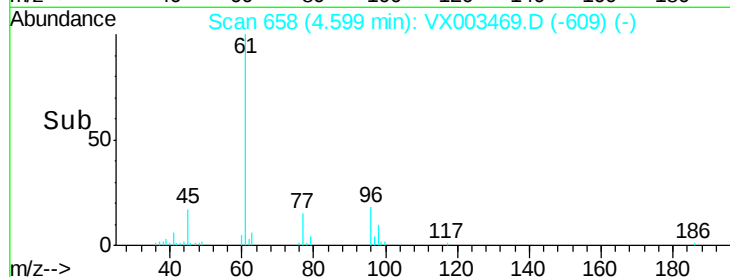
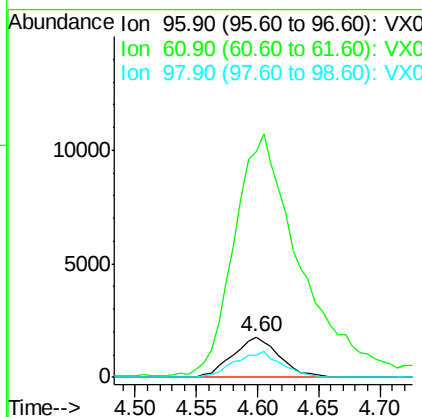
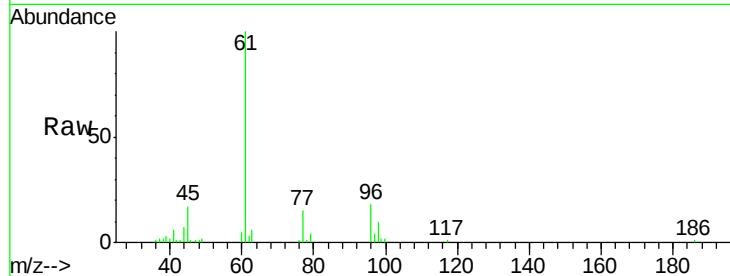
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	845.6	0.0	330.2#
98	64.0	0.0	130.2

Manual Integrations
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#28

Bromochloromethane

Concen: 1.04 ug/l

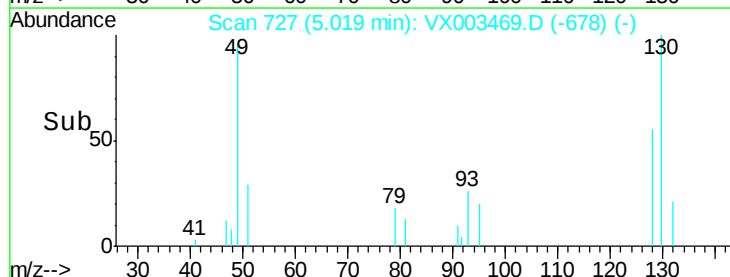
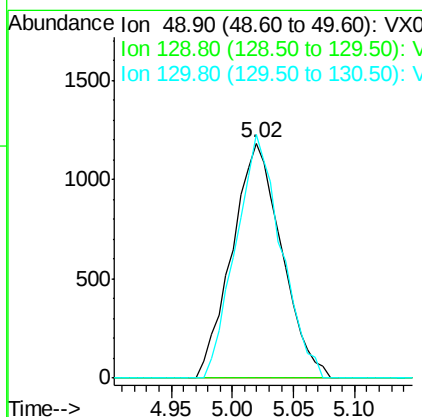
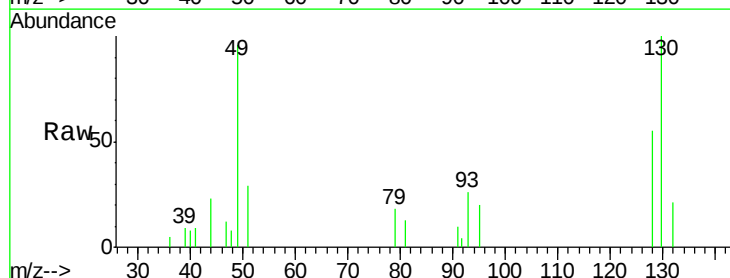
RT: 5.02 min Scan# 727

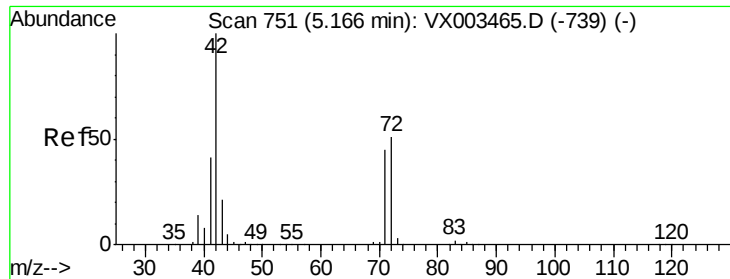
Delta R.T. 0.00 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	94.9	61.2	91.8#





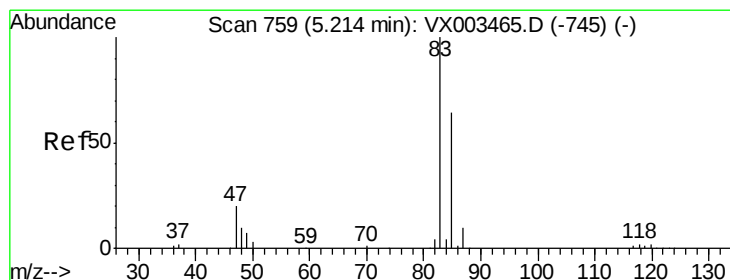
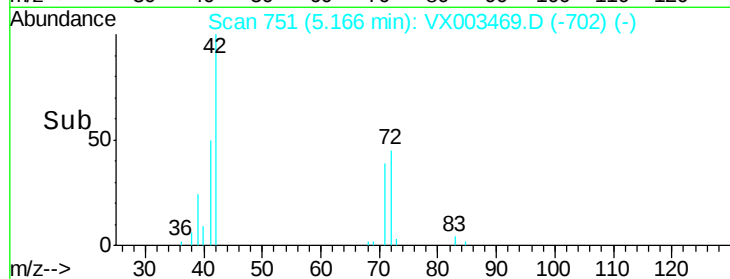
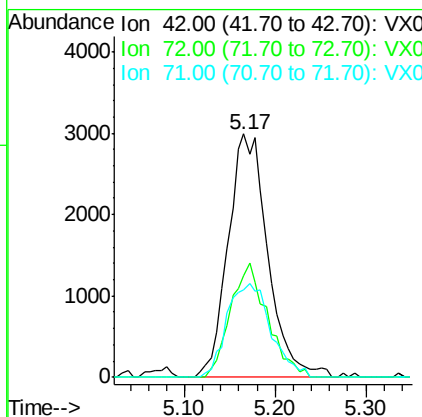
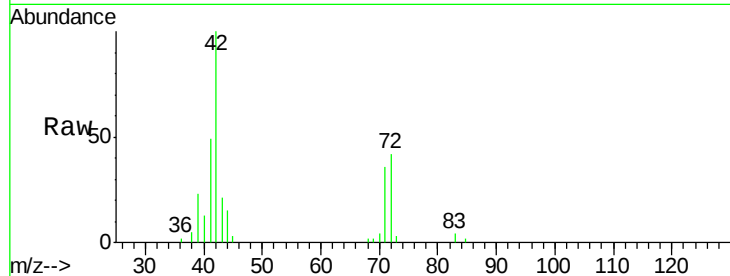
#29
Tetrahydrofuran
Concen: 5.01 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003469.D
Acq: 19 Jul 2018 16:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	32.0	48.0
71	42.3	30.1	45.1

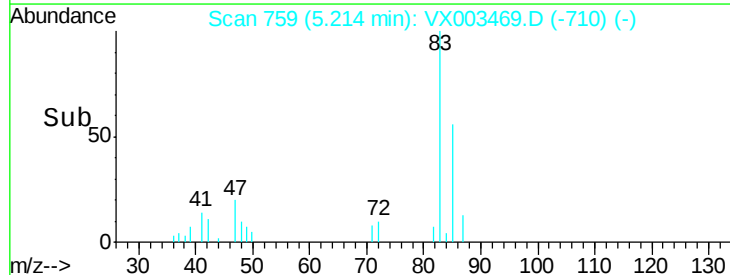
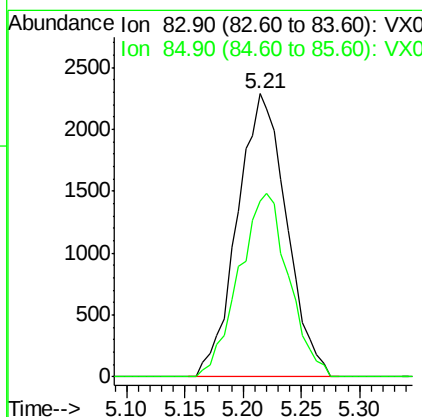
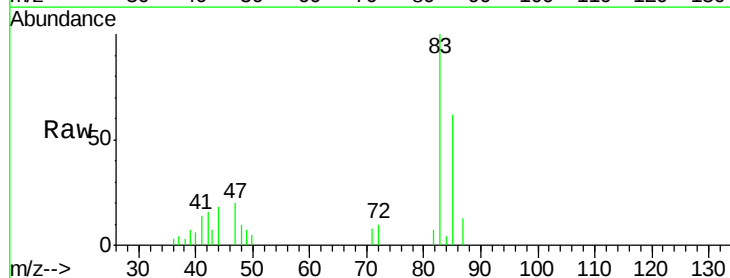
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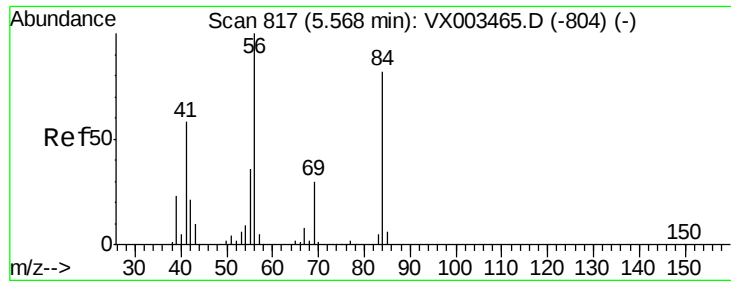
MMDadoda
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#30
Chloroform
Concen: 1.01 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX003469.D
Acq: 19 Jul 2018 16:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	50.4	75.6





#31

Cyclohexane

Concen: 1.08 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

Instrument :

MSVOA_X

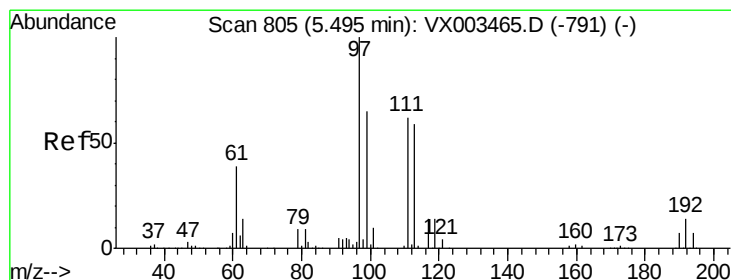
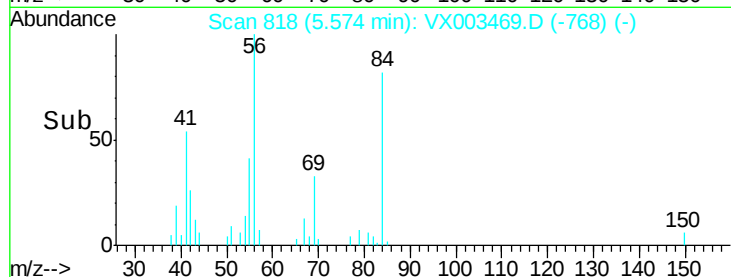
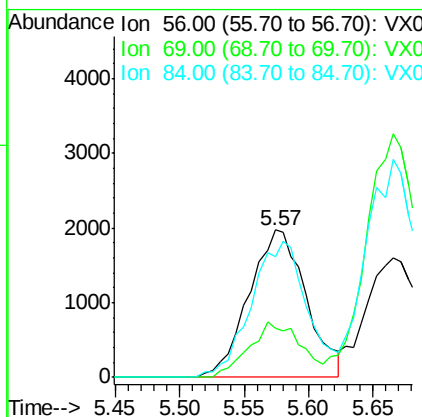
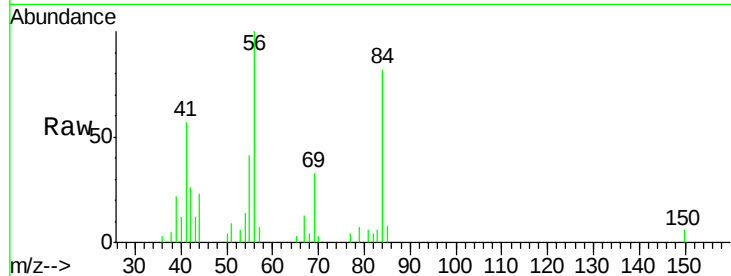
ClientSampleId :

VSTDIC001

Tot Ion:	56	Resp:	6074
Ion	Ratio	Lower	Upper
56	100		
69	33.3	23.7	35.5
84	81.6	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 1.01 ug/l

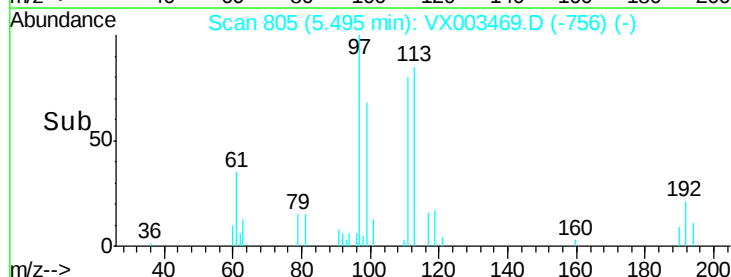
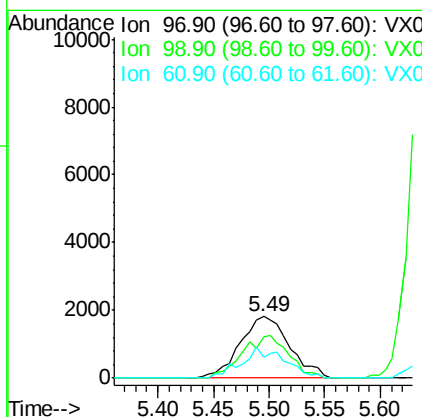
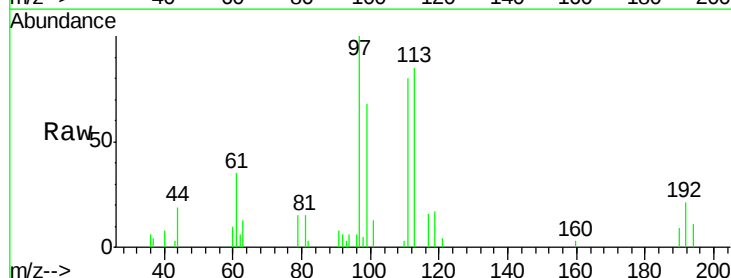
RT: 5.49 min Scan# 805

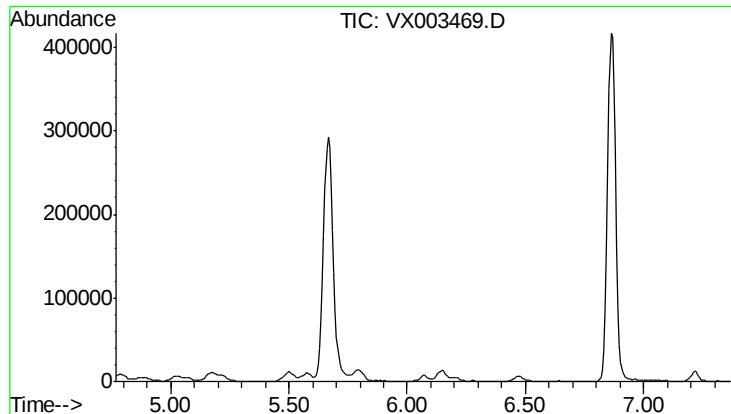
Delta R.T. 0.00 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

Tgt Ion:	97	Resp:	5576
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.6	77.4#
61	43.9	36.4	54.6





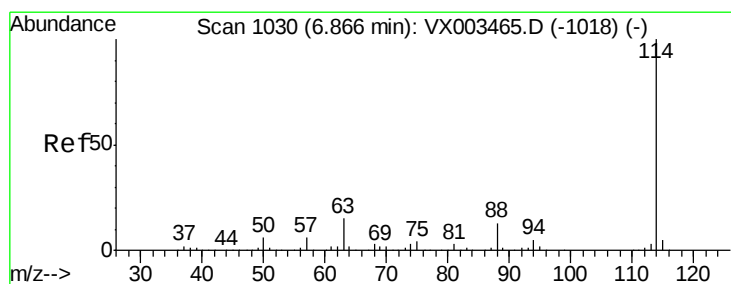
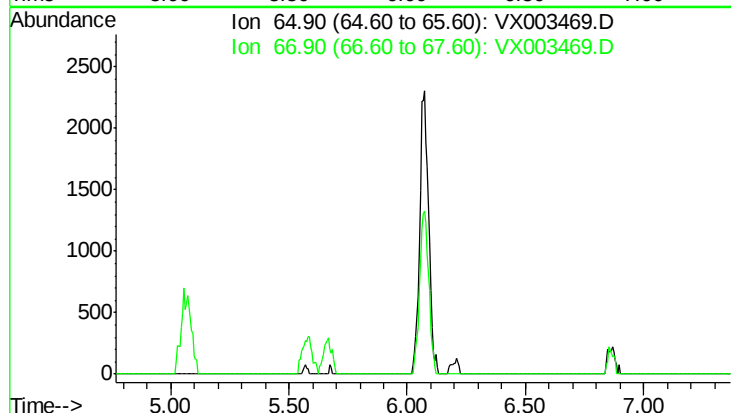
#33
 1,2-Dichloroethane-d4
 Concen: 0.00 ug/l
 Expected RT: 6.07 min
 Lab File: VX003469.D
 Acq: 19 Jul 2018 16:34

Tot Ion: 65
 Sig Exp Ratio
 65 100
 67 51.3

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

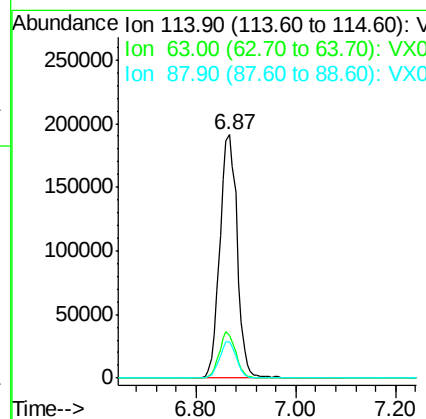
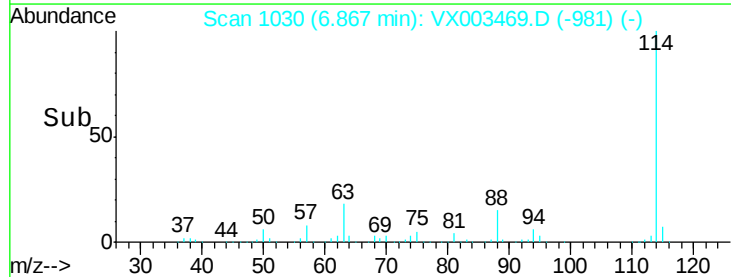
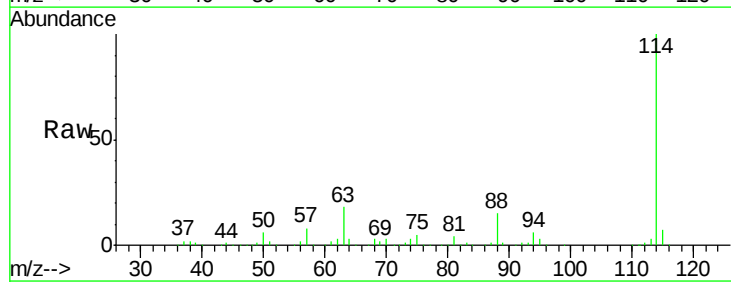
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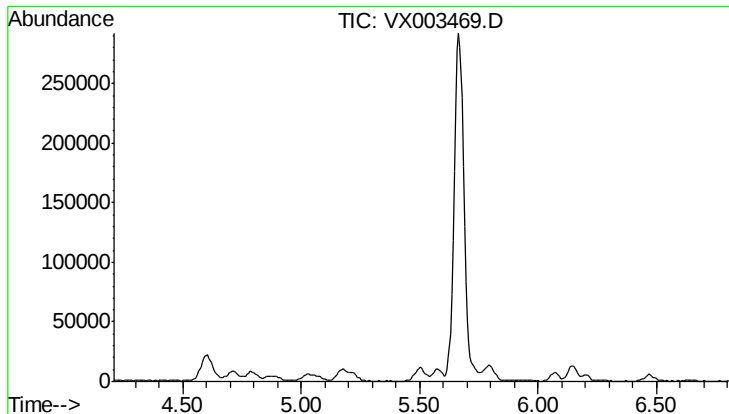
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003469.D
 Acq: 19 Jul 2018 16:34

Tgt Ion: 114 Resp: 460752
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 41.4
 88 15.0 0.0 30.0





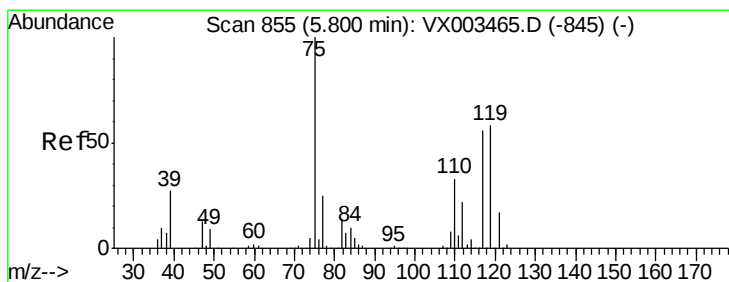
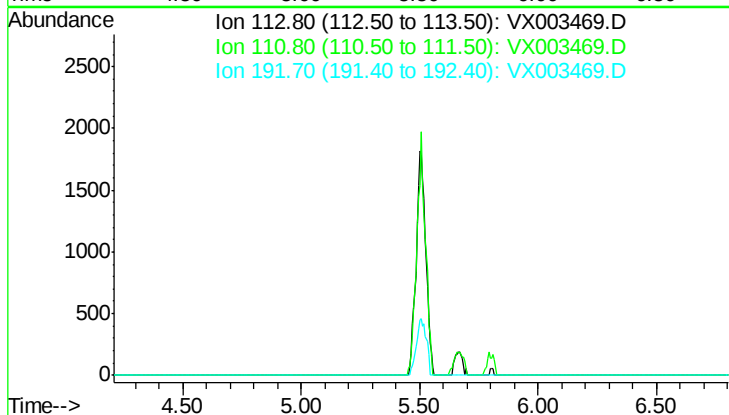
#35
 Dibromofluoromethane
 Concen: 0.00 ug/l
 Expected RT: 5.51 min
 Lab File: VX003469.D
 Acq: 19 Jul 2018 16:34

Tot Ion	113
Exp Ratio	100
111	101.7
192	23.9

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

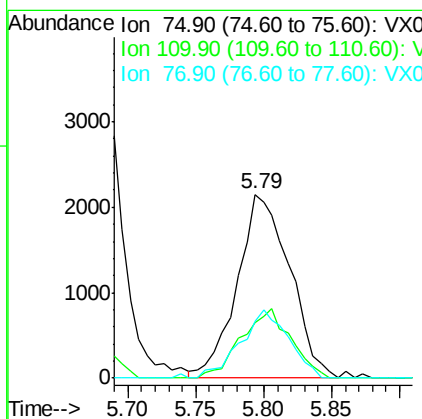
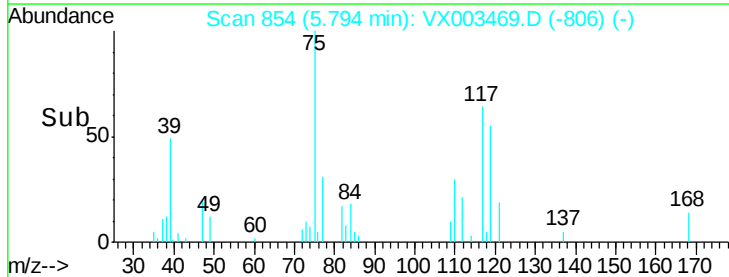
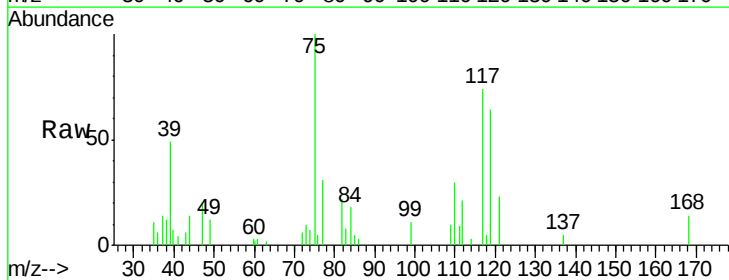
Manual Integrations
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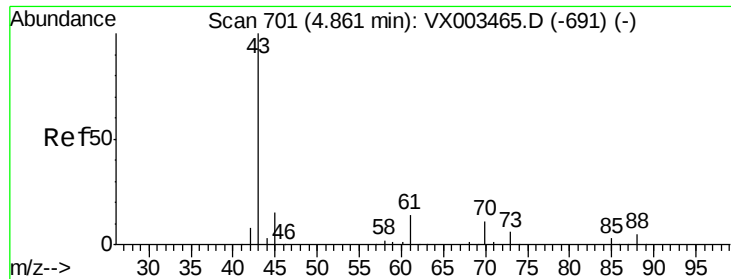
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#36
 1,1-Dichloropropene
 Concen: 1.19 ug/l
 RT: 5.79 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VX003469.D
 Acq: 19 Jul 2018 16:34

Tgt Ion	75	Resp:	5821
Ion Ratio	100		
75	100		
110	35.6	18.1	54.4
77	34.1	24.3	36.5





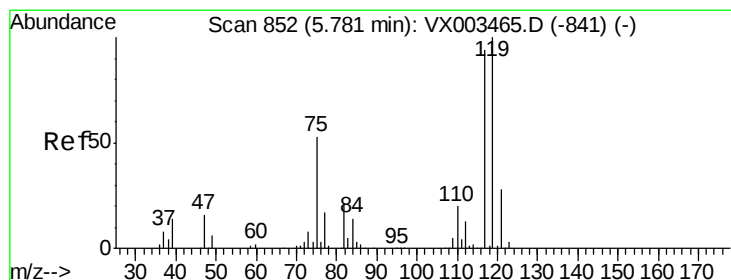
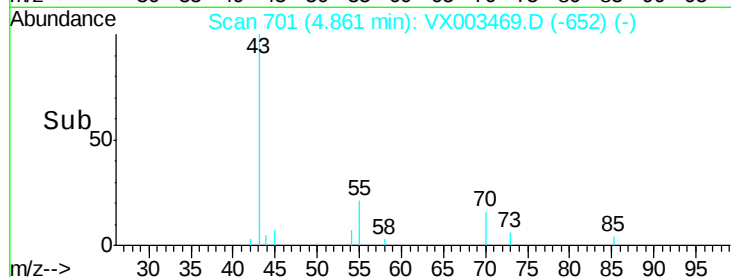
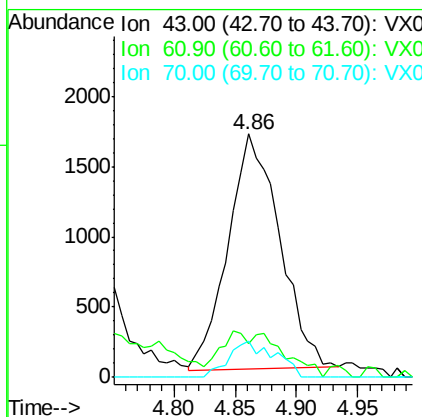
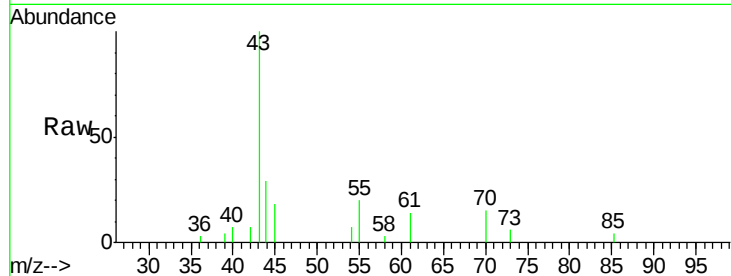
#37
Ethyl Acetate
Concen: 0.89 ug/l
RT: 4.86 min Scan# 701
Delta R.T. 0.00 min
Lab File: VX003469.D
Acq: 19 Jul 2018 16:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.4	15.6#
70	13.6	7.6	11.4#

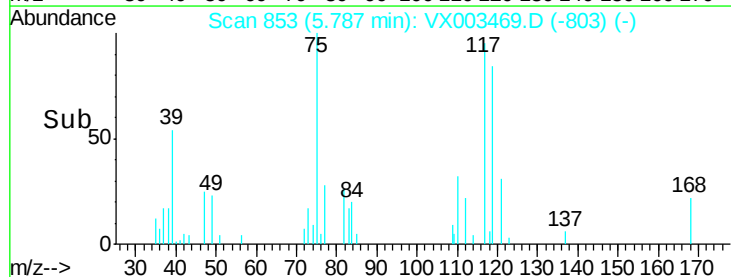
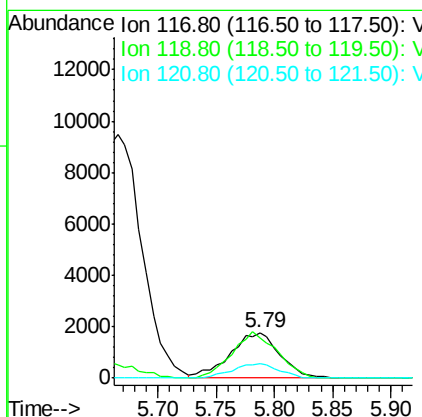
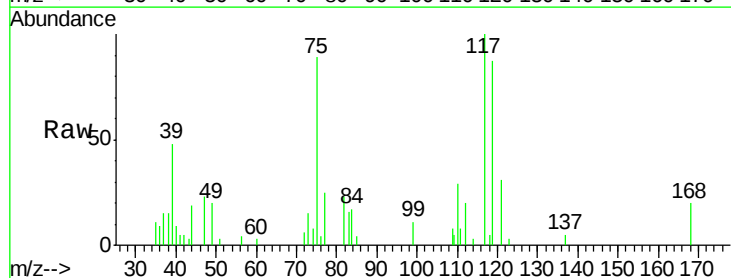
Manual Integrations
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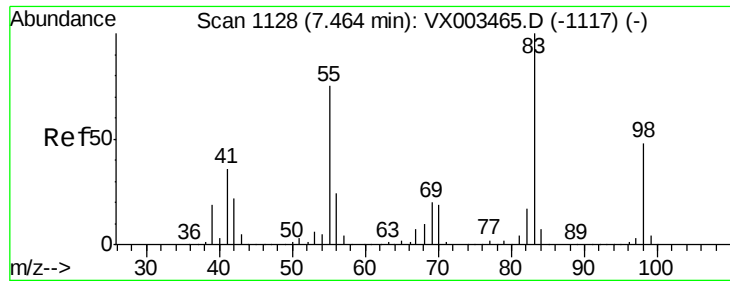
MMDadoda
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#38
Carbon Tetrachloride
Concen: 1.07 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.01 min
Lab File: VX003469.D
Acq: 19 Jul 2018 16:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.1	77.4	116.0
121	31.0	24.4	36.6





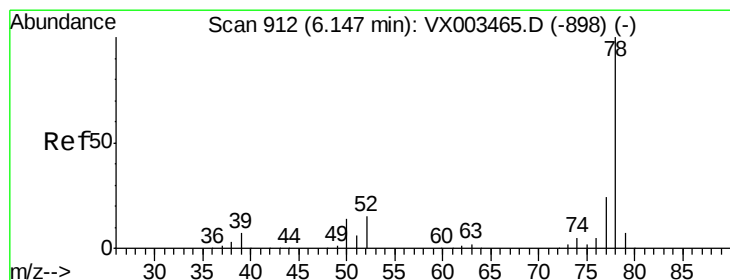
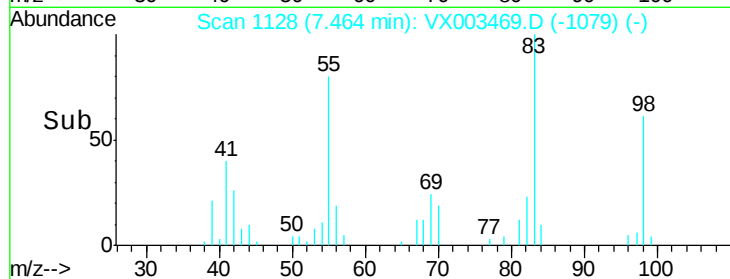
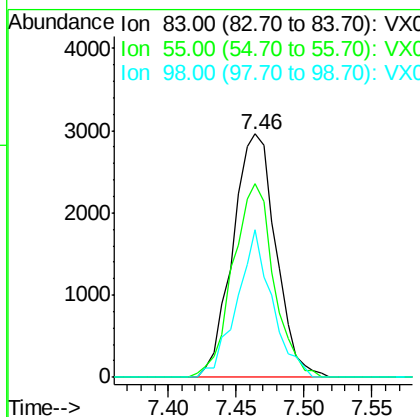
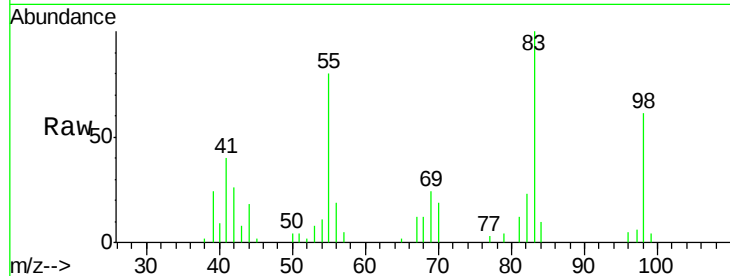
#39
Methvlcvclohexane
Concen: 1.14 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003469.D
Acq: 19 Jul 2018 16:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.6	65.4	98.0
98	60.5	37.4	56.0

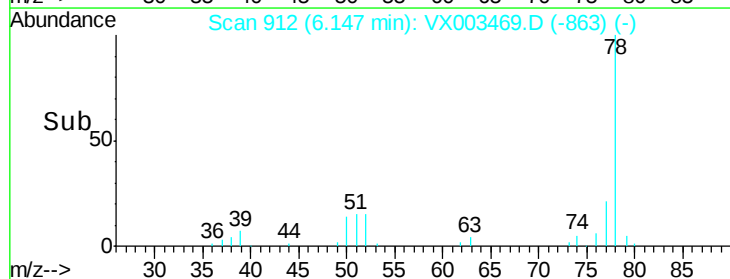
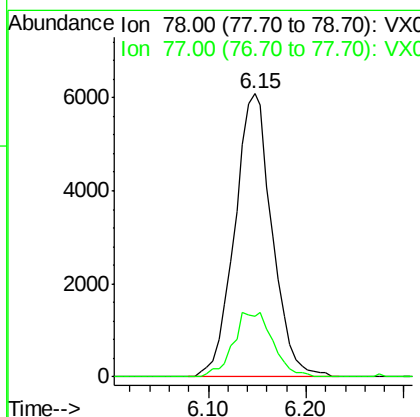
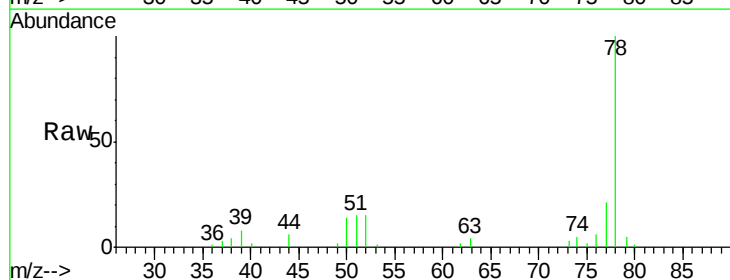
Manual Integrations
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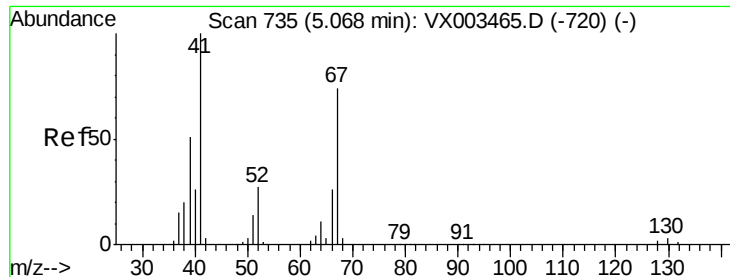
MMDadoda
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#40
Benzene
Concen: 1.10 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003469.D
Acq: 19 Jul 2018 16:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.4	19.1	28.7





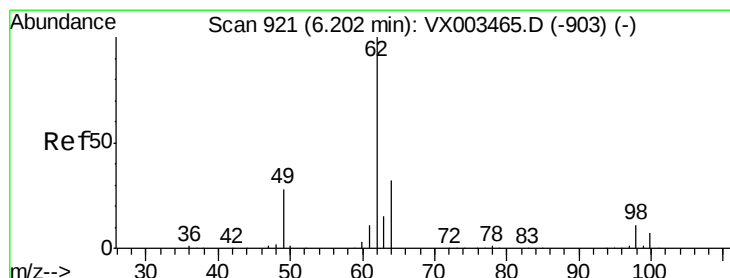
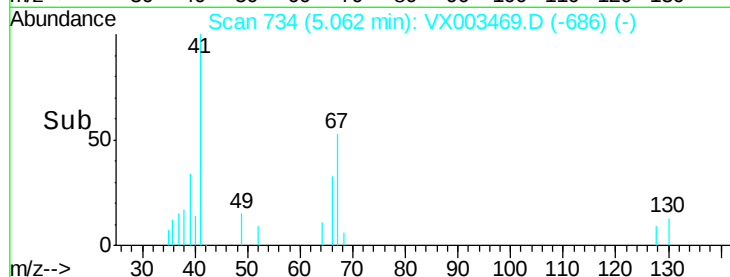
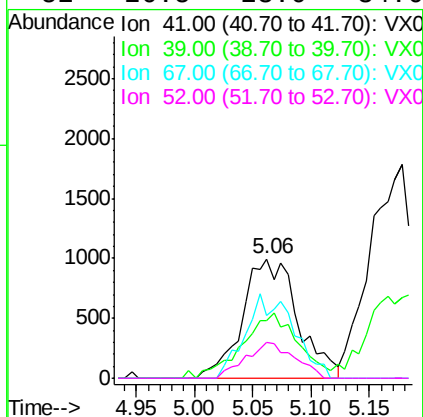
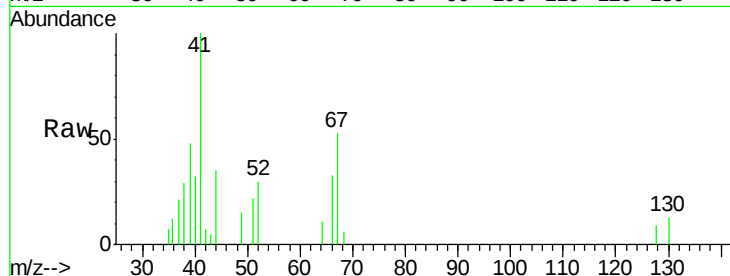
#41
Methacrylonitrile
Concen: 1.06 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003469.D
Acq: 19 Jul 2018 16:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:	41	Resp:	3302
Ion	Ratio	Lower	Upper
41	100		
39	55.4	45.8	68.6
67	60.8	51.3	76.9
52	26.5	23.0	34.6

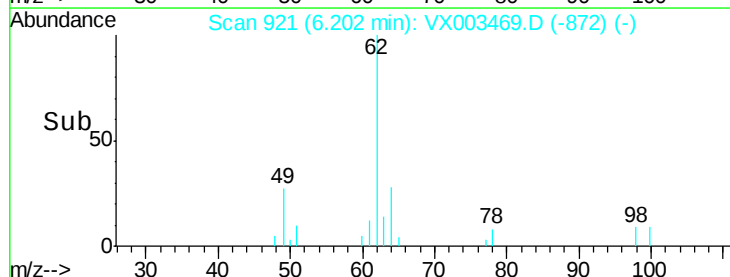
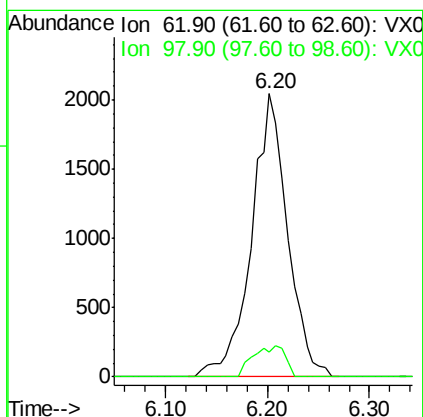
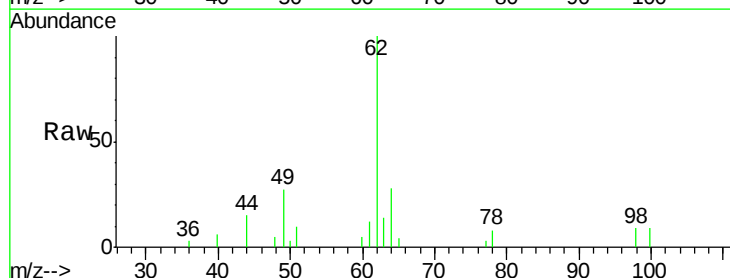
Manual Integrations
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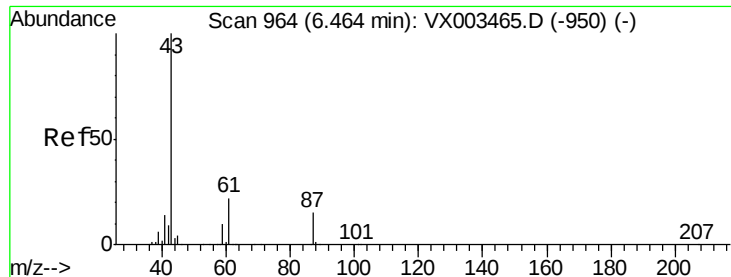
MMDadoda
7/20/2018 5:22:11 PM



#42
1,2-Dichloroethane
Concen: 0.89 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003469.D
Acq: 19 Jul 2018 16:34

Tgt Ion:	62	Resp:	5036
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	16.6





#43

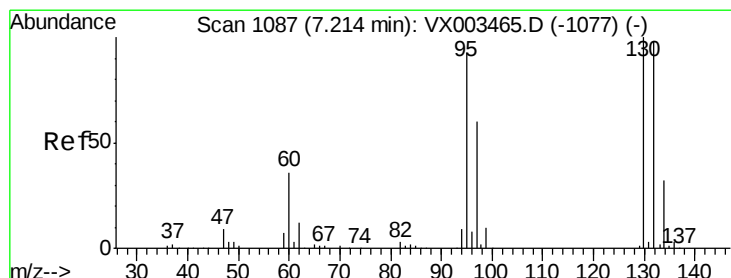
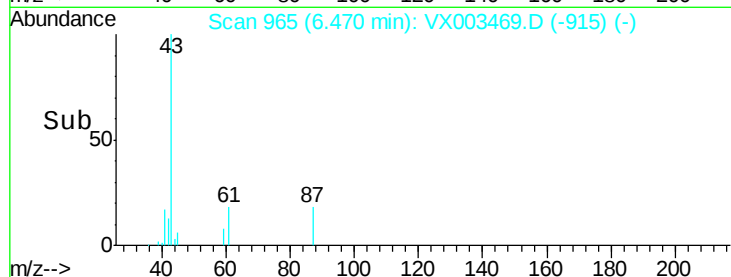
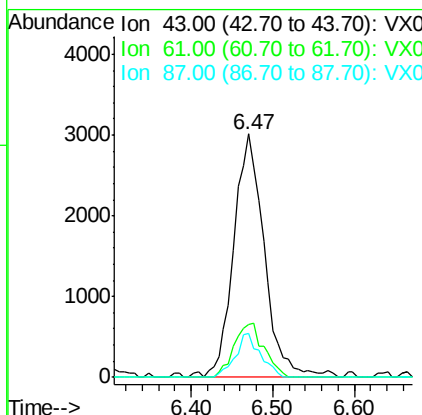
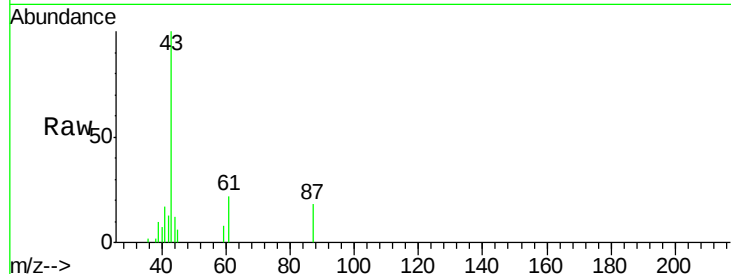
Isopropyl Acetate
 Concen: 0.86 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VX003469.D
 Acq: 19 Jul 2018 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.5	14.4	21.6
87	14.6	9.5	14.3

Manual Integrations
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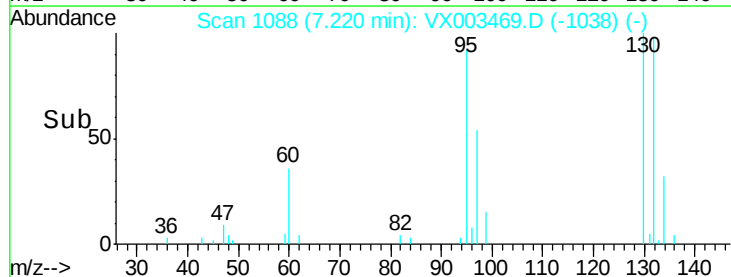
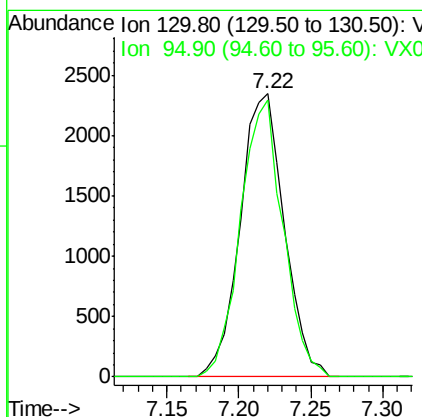
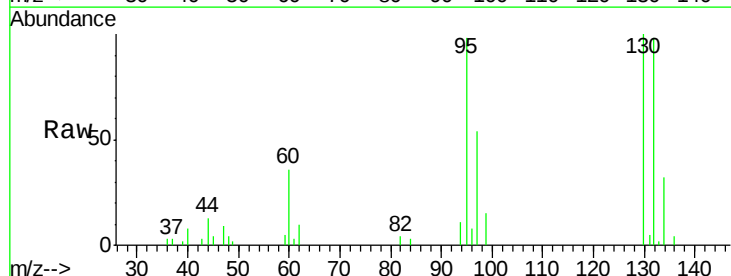
MMDadoda
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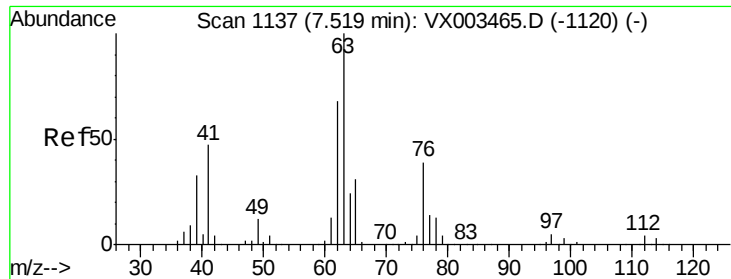


#44

Trichloroethene
 Concen: 1.18 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX003469.D
 Acq: 19 Jul 2018 16:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	185.4





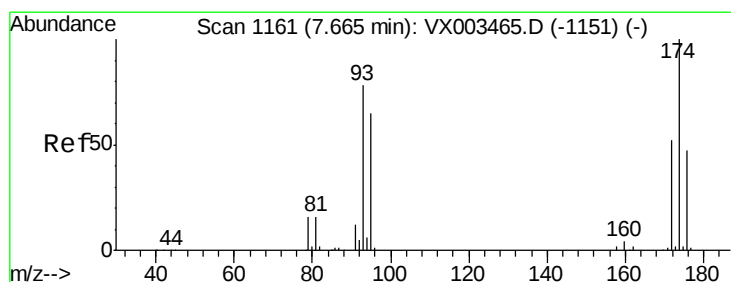
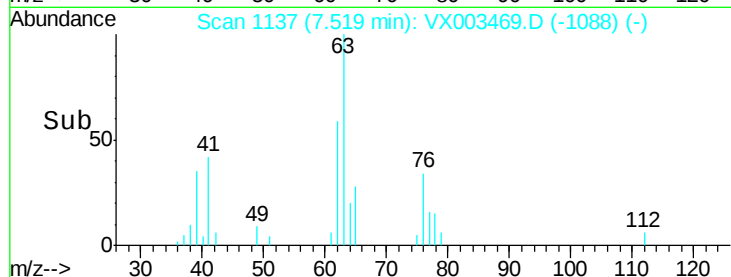
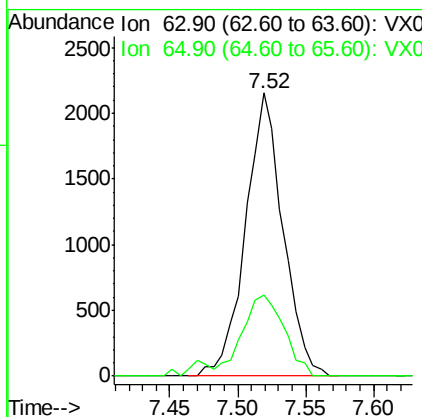
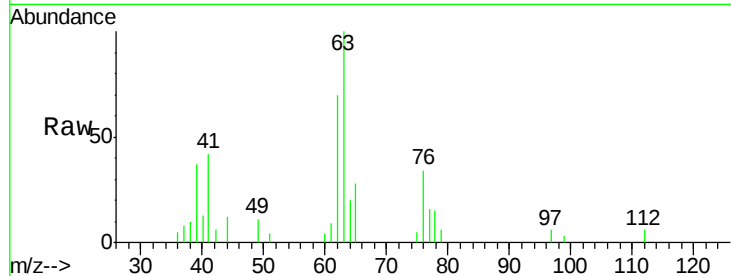
#45
 1,2-Dichloropropane
 Concen: 1.08 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003469.D
 Acq: 19 Jul 2018 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion: 63 Resp: 4153
 Ion Ratio Lower Upper
 63 100
 65 28.5 24.7 37.1

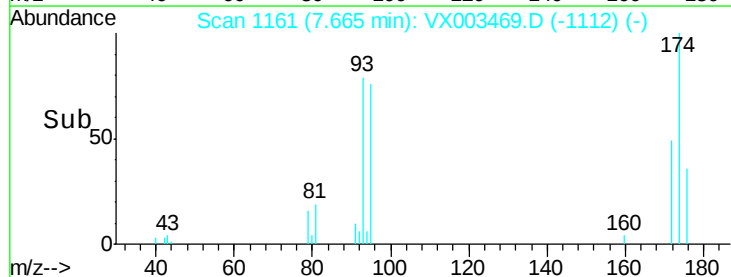
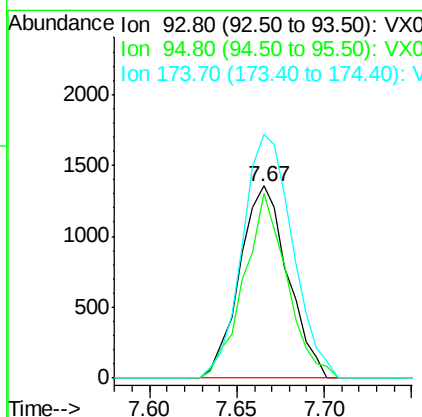
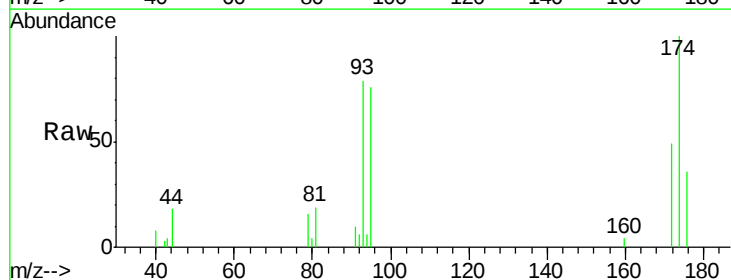
Manual Integrations
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#46
 Dibromomethane
 Concen: 1.01 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003469.D
 Acq: 19 Jul 2018 16:34

Tgt Ion: 93 Resp: 2597
 Ion Ratio Lower Upper
 93 100
 95 85.9 65.9 98.9
 174 132.1 92.4 138.6





#47

Bromodichloromethane

Concen: 0.97 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

Instrument :

MSVOA_X

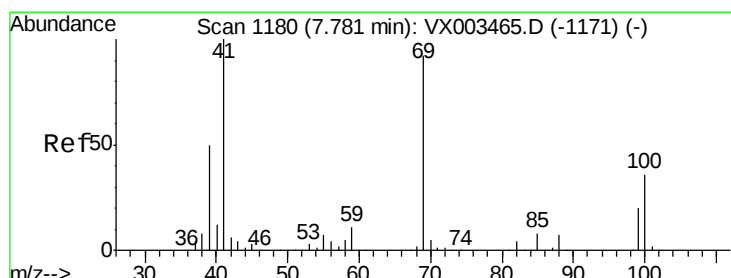
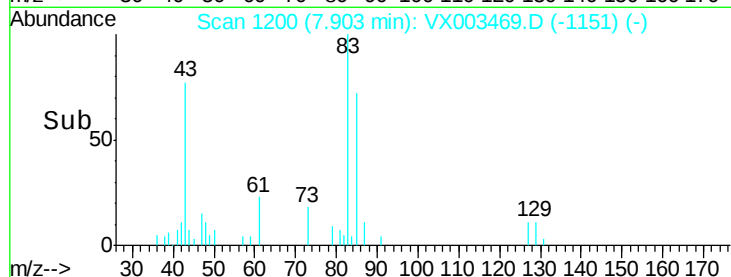
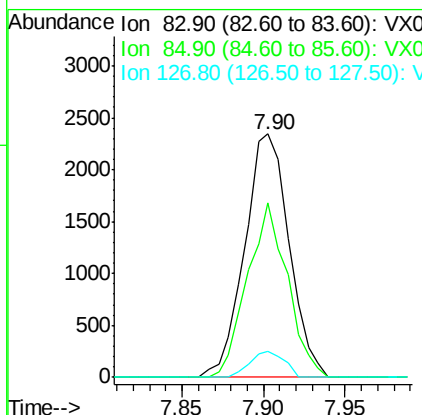
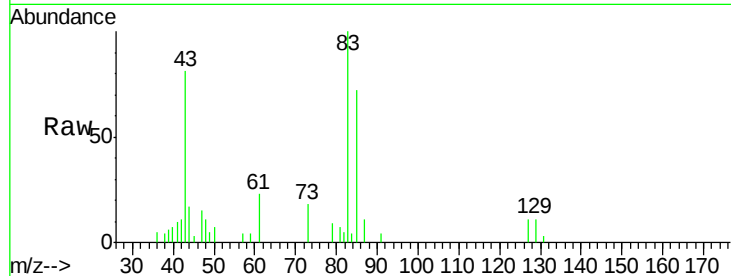
ClientSampleId :

VSTDIC001

Tot Ion:	83	Resp:	4439
Ion	Ratio	Lower	Upper
83	100		
85	71.7	50.3	75.5
127	10.7	7.0	10.4#

Manual Integrations
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#48

Methyl methacrylate

Concen: 0.81 ug/l

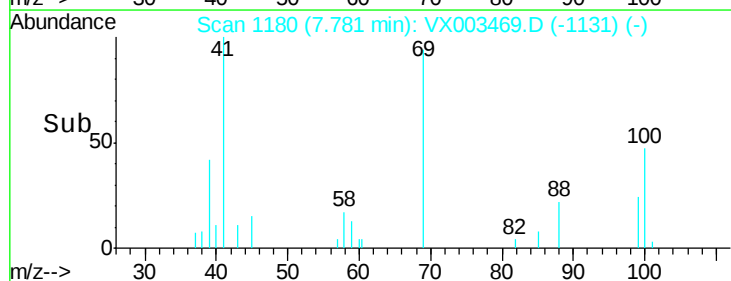
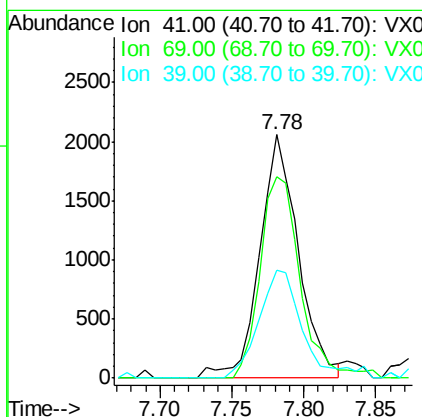
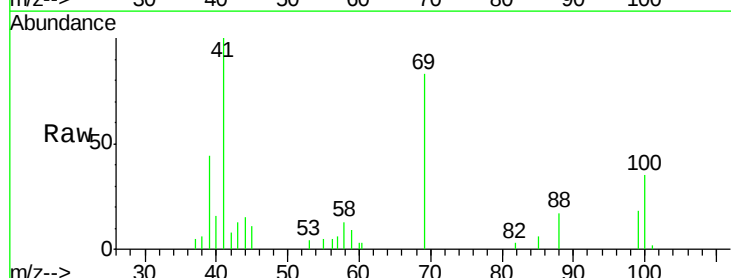
RT: 7.78 min Scan# 1180

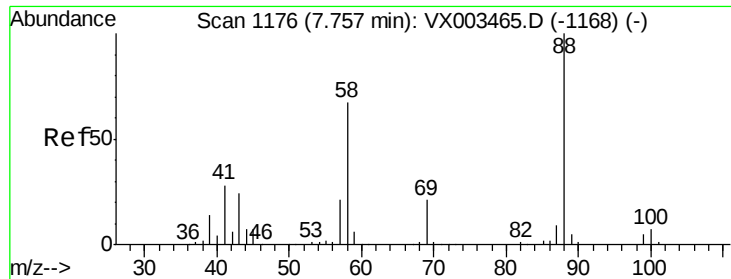
Delta R.T. 0.00 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

Tgt Ion:	41	Resp:	3821
Ion	Ratio	Lower	Upper
41	100		
69	86.3	59.1	88.7
39	50.2	48.9	73.3





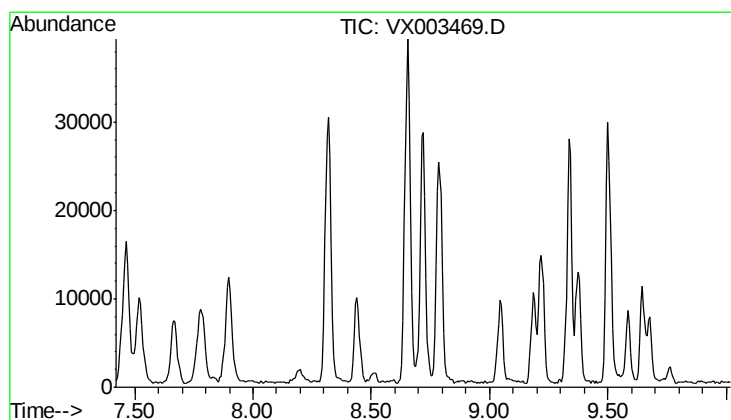
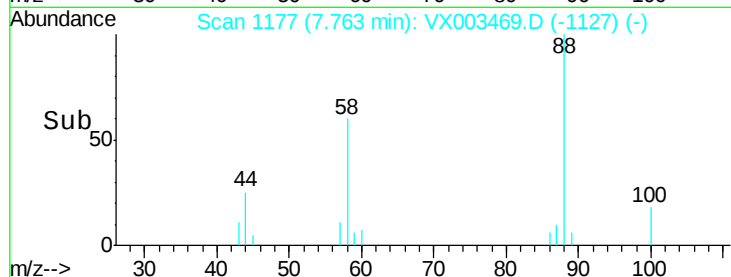
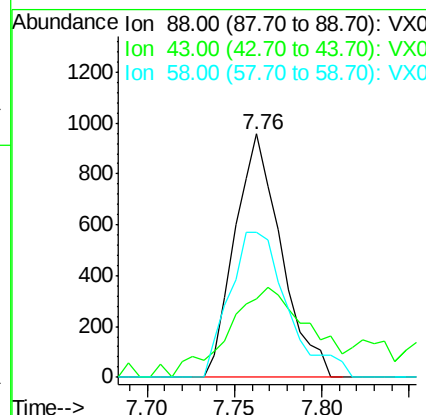
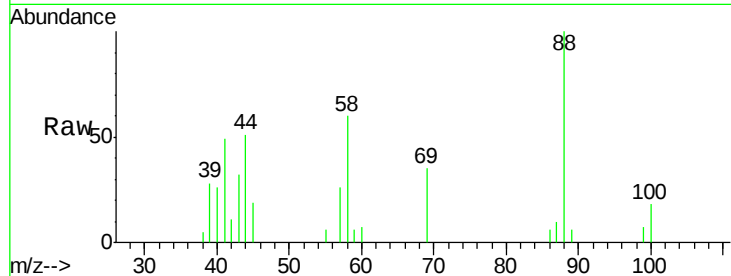
#49
1,4-Dioxane
Concen: 19.91 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX003469.D
Acq: 19 Jul 2018 16:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
88	100		
43	64.6	29.8	44.6#
58	74.5	57.1	85.7

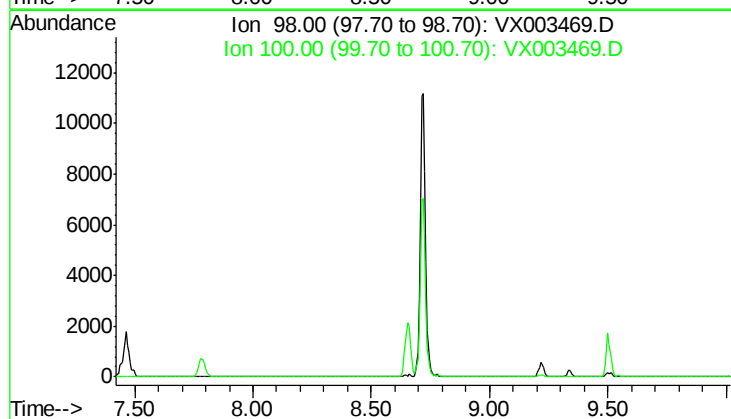
Manual Integrations
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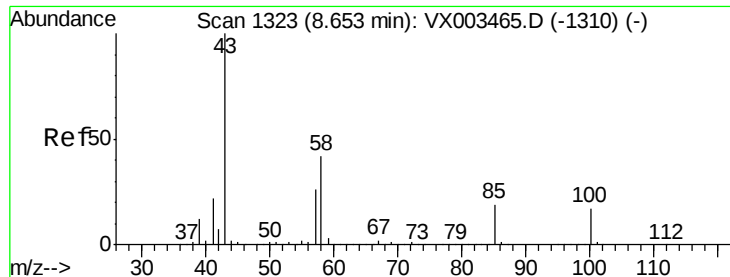
MMDadoda
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#50
Toluene-d8
Concen: 0.00 ug/l
Expected RT: 8.72 min
Lab File: VX003469.D
Acq: 19 Jul 2018 16:34

Tgt Ion	Sig	Exp Ratio
98	100	63.6
100		





#51

4-Methyl-2-Pentanone

Concen: 3.95 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 23285

Ion Ratio Lower Upper

43 100

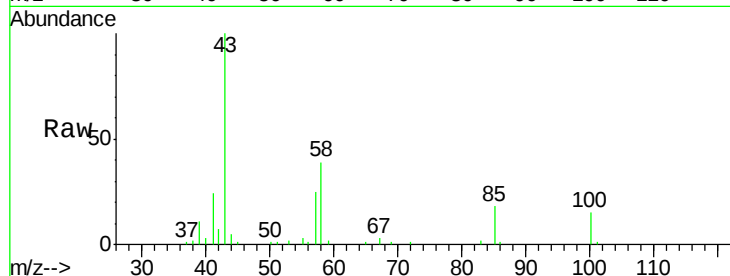
58 39.3 28.6 42.8

Manual Integrations

APPROVED

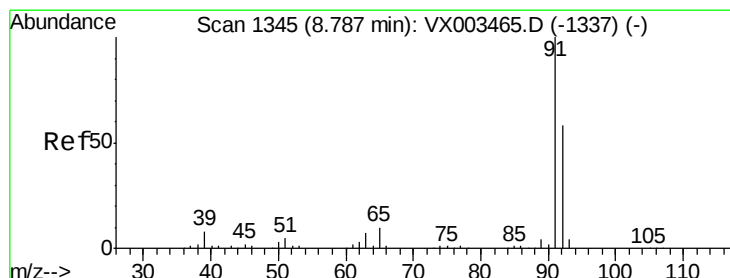
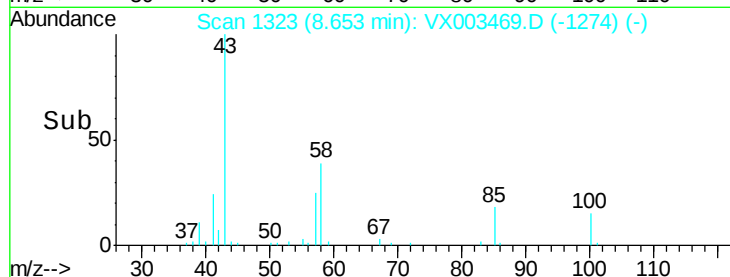
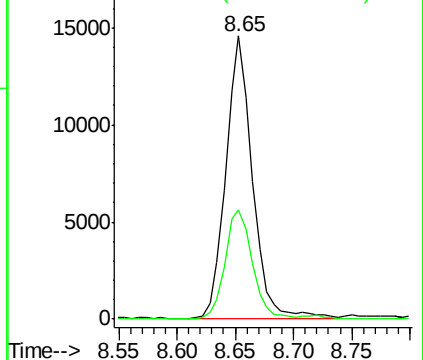
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 1.07 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003469.D

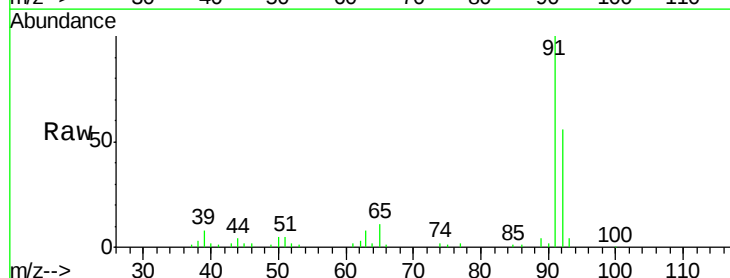
Acq: 19 Jul 2018 16:34

Tgt Ion: 92 Resp: 10056

Ion Ratio Lower Upper

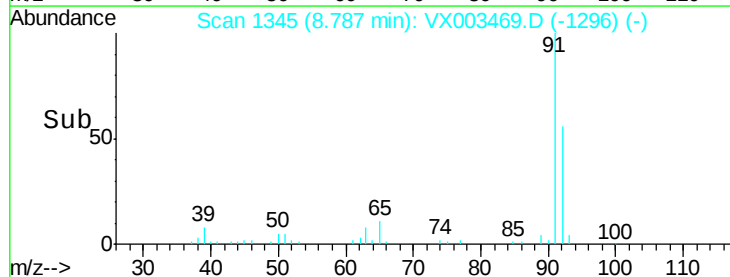
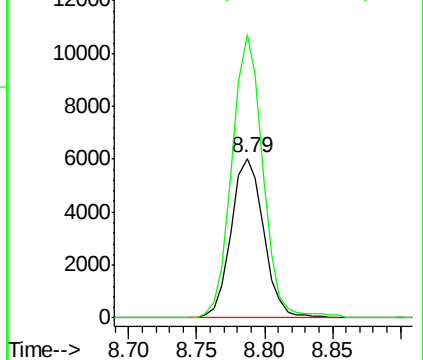
92 100

91 169.3 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





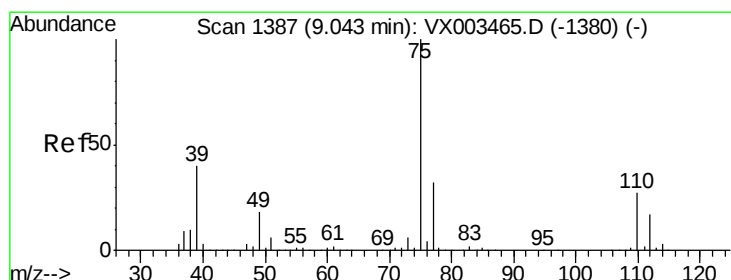
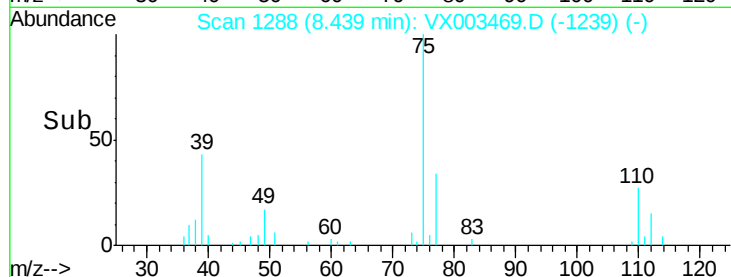
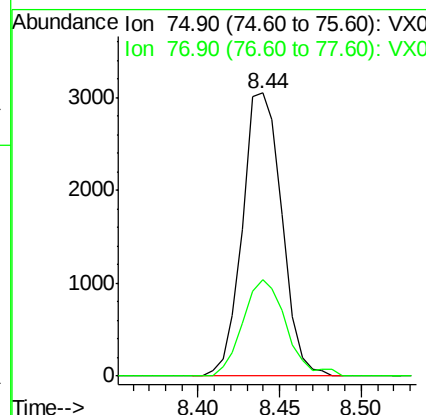
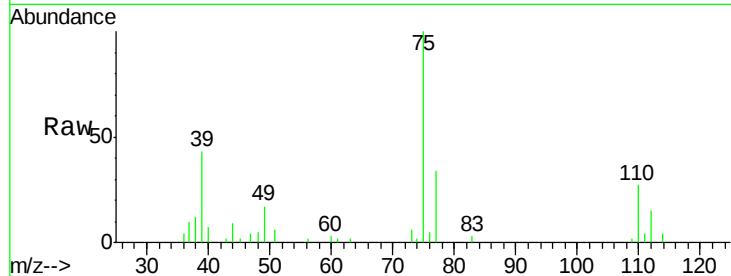
#53
 t-1,3-Dichloropropene
 Concen: 0.96 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX003469.D
 Acq: 19 Jul 2018 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion: 75 Resp: 5123
 Ion Ratio Lower Upper
 75 100
 77 34.3 25.4 38.2

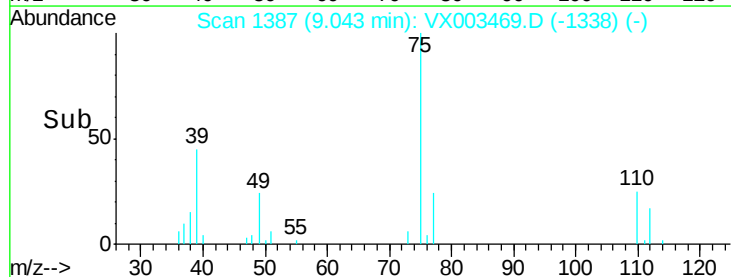
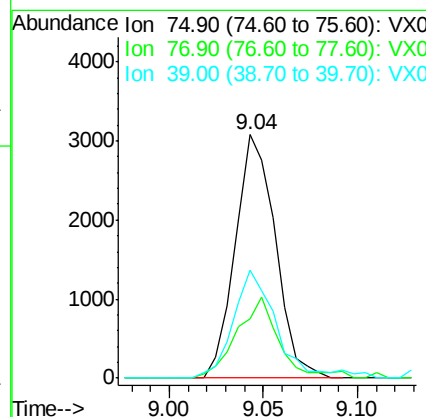
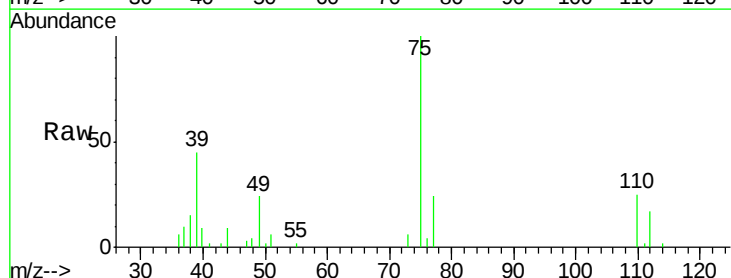
Manual Integrations
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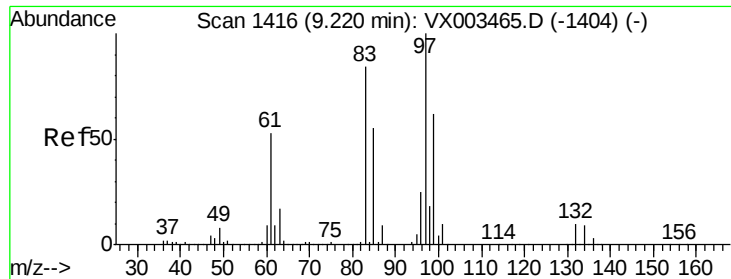
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#54
 cis-1,3-Dichloropropene
 Concen: 0.92 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX003469.D
 Acq: 19 Jul 2018 16:34

Tgt Ion: 75 Resp: 4546
 Ion Ratio Lower Upper
 75 100
 77 24.2 24.8 37.2#
 39 44.5 42.4 63.6





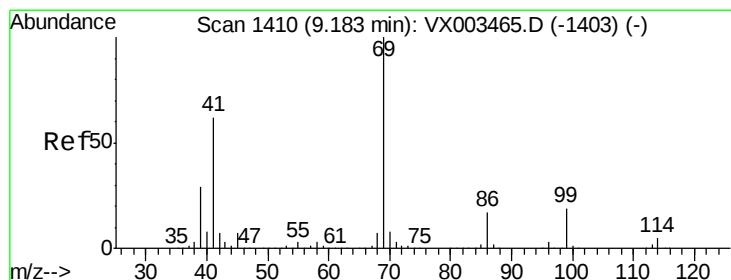
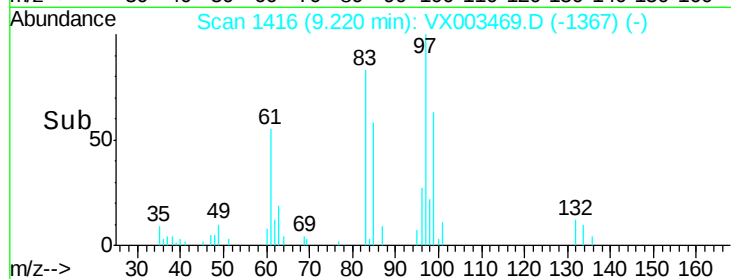
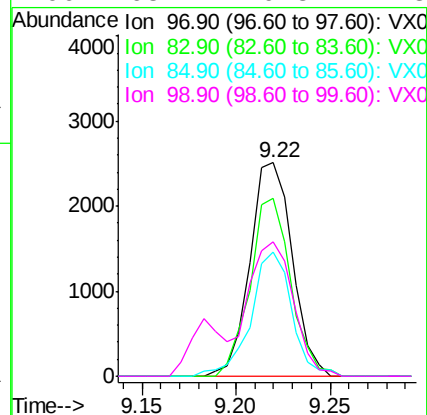
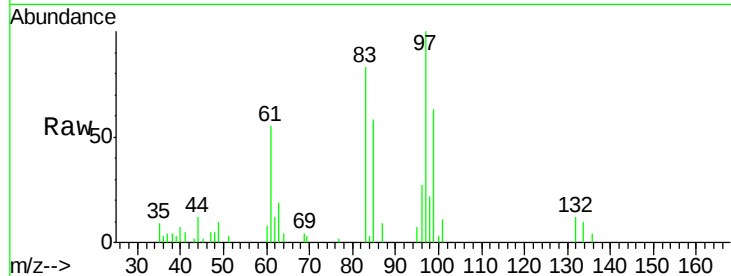
#55
 1,1,2-Trichloroethane
 Concen: 1.03 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003469.D
 Acq: 19 Jul 2018 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion:	97	Resp:	3901
Ion	Ratio	Lower	Upper
97	100		
83	83.3	70.2	105.2
85	58.1	44.9	67.3
99	63.2	49.8	74.8

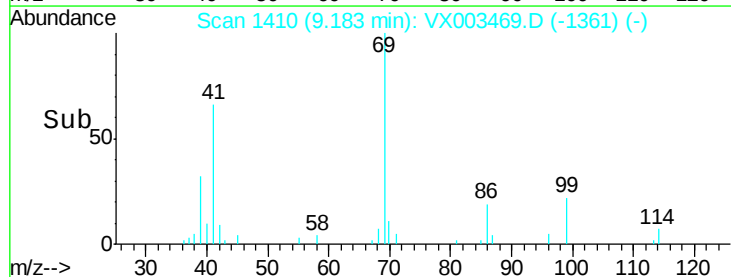
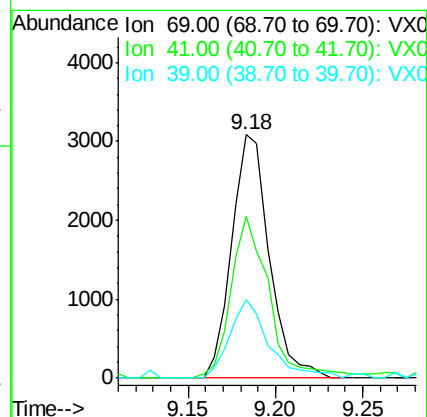
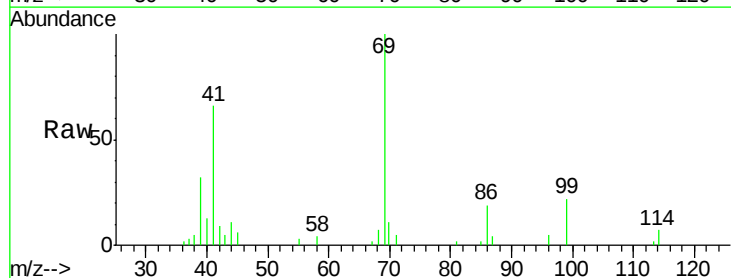
Manual Integrations
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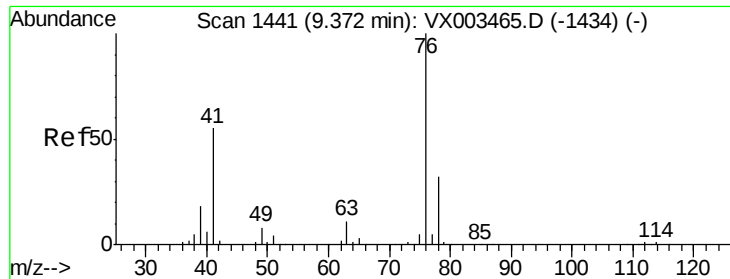
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#56
 Ethyl methacrylate
 Concen: 0.79 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003469.D
 Acq: 19 Jul 2018 16:34

Tgt Ion:	69	Resp:	4614
Ion	Ratio	Lower	Upper
69	100		
41	67.3	60.3	90.5
39	33.4	35.8	53.8#





#57

1,3-Dichloropropane

Concen: 0.97 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 76 Resp: 6186

Ion Ratio Lower Upper

76 100

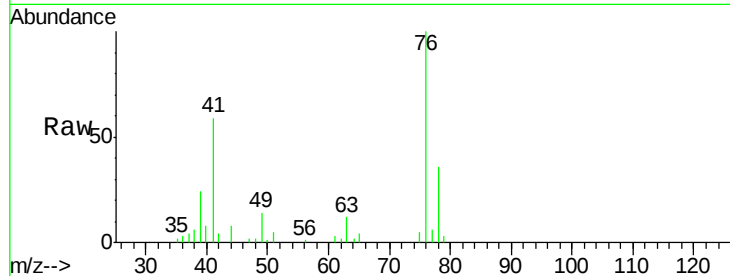
78 32.8 25.8 38.6

Manual Integrations

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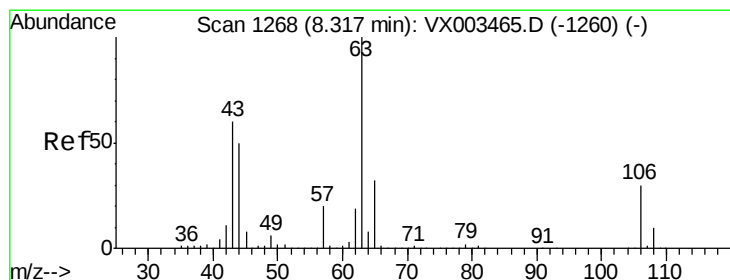
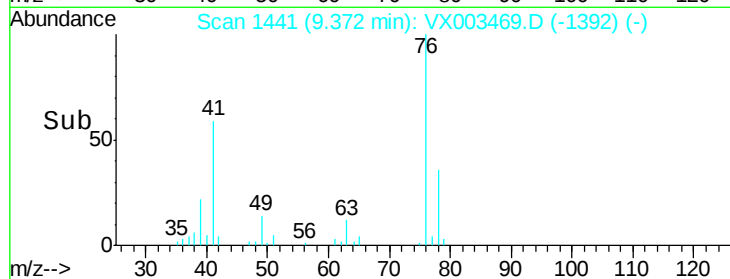
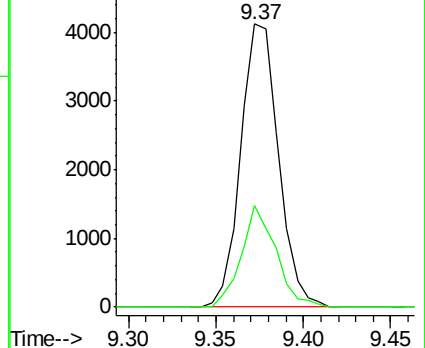
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 4.45 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003469.D

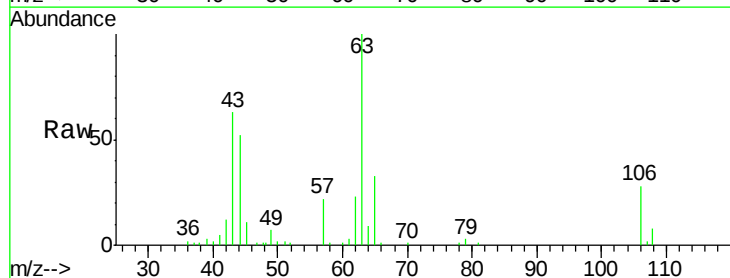
Acq: 19 Jul 2018 16:34

Tgt Ion: 63 Resp: 12538

Ion Ratio Lower Upper

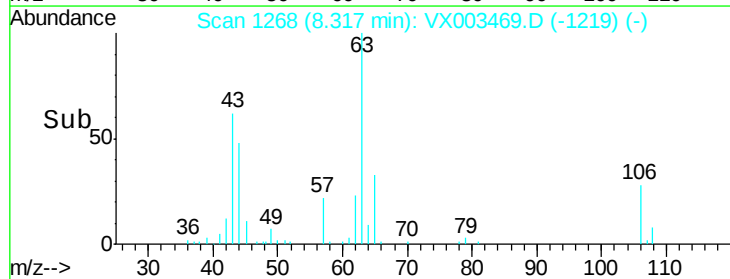
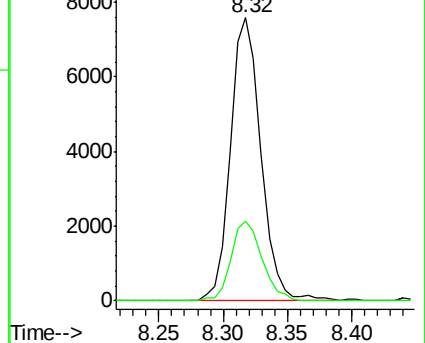
63 100

106 28.5 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





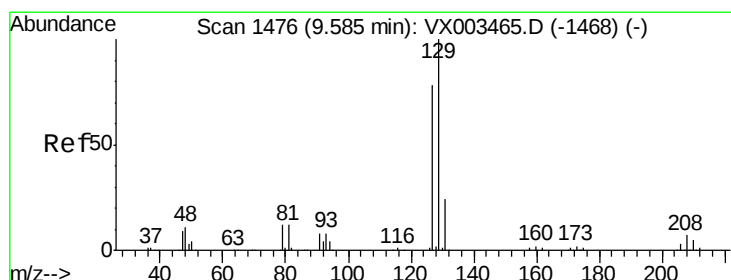
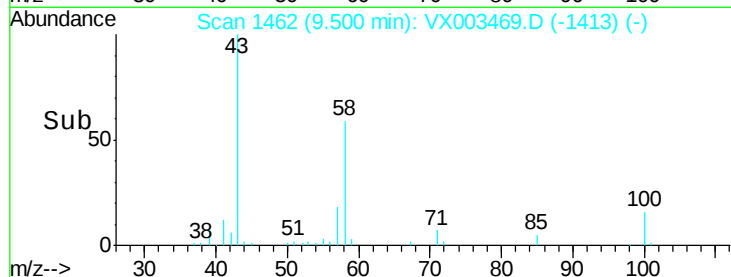
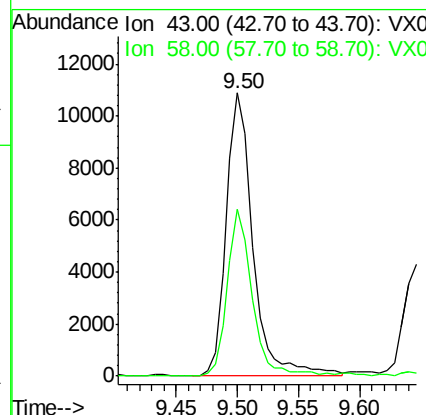
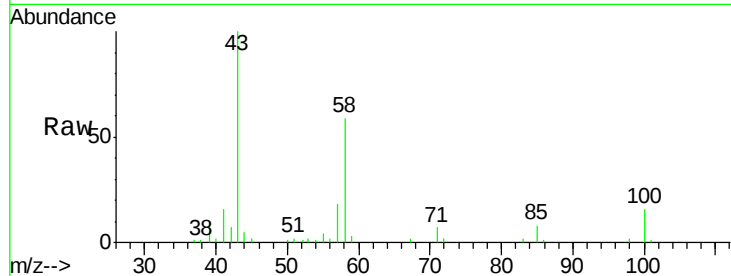
#59
2-Hexanone
Concen: 3.73 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003469.D
Acq: 19 Jul 2018 16:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 16575
Ion Ratio Lower Upper
43 100
58 54.9 24.6 73.6

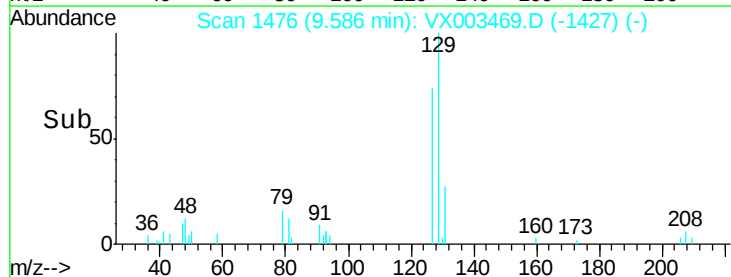
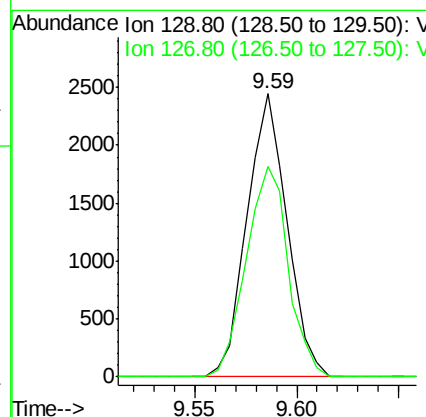
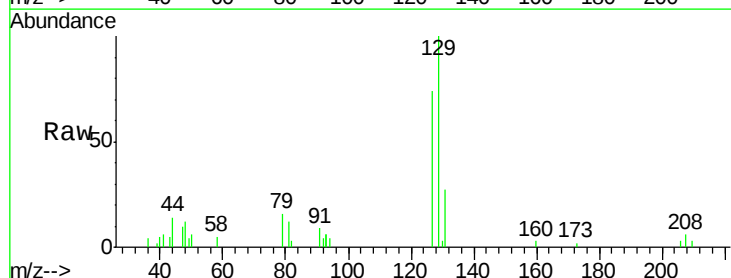
Manual Integrations
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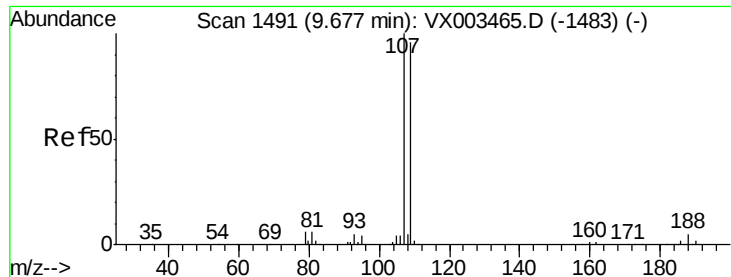
MMDadoda
7/20/2018 5:22:11 PM



#60
Dibromochloromethane
Concen: 0.91 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003469.D
Acq: 19 Jul 2018 16:34

Tgt Ion: 129 Resp: 3330
Ion Ratio Lower Upper
129 100
127 77.8 38.5 115.3





#61

1,2-Dibromoethane

Concen: 1.01 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:107 Resp: 3973

Ion Ratio Lower Upper

107 100

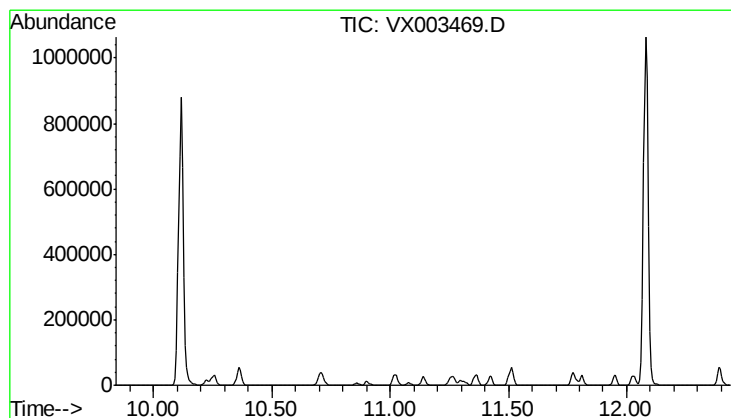
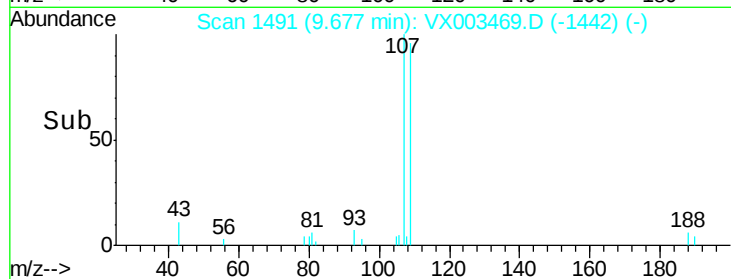
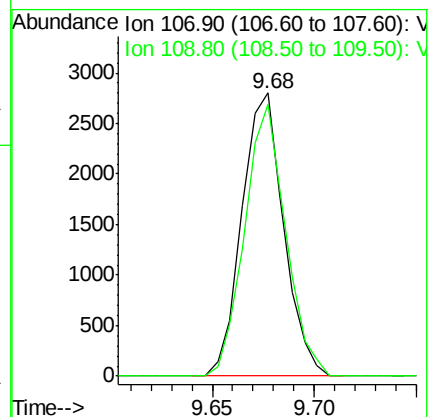
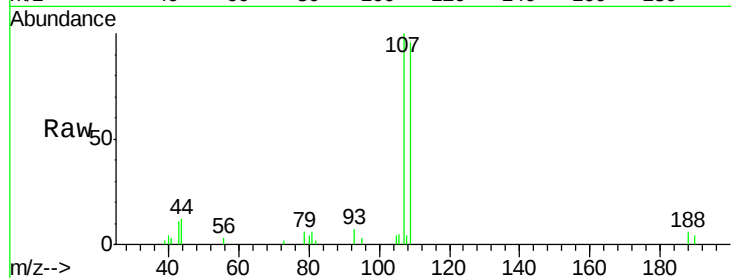
109 94.1 75.3 112.9

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#62

4-Bromofluorobenzene

Concen: 0.00 ug/l

Expected RT: 11.14 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

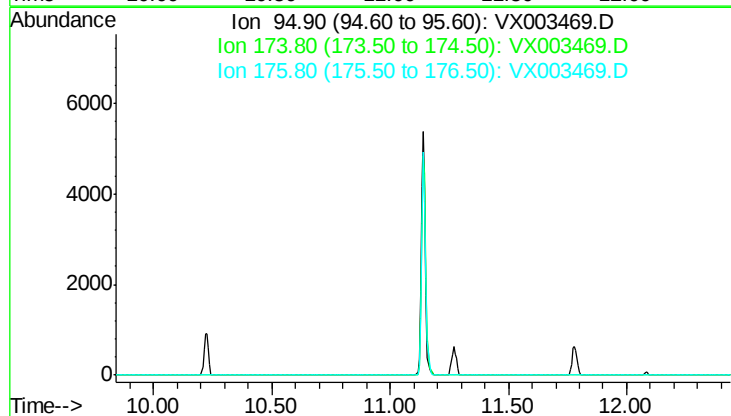
Tgt Ion: 95

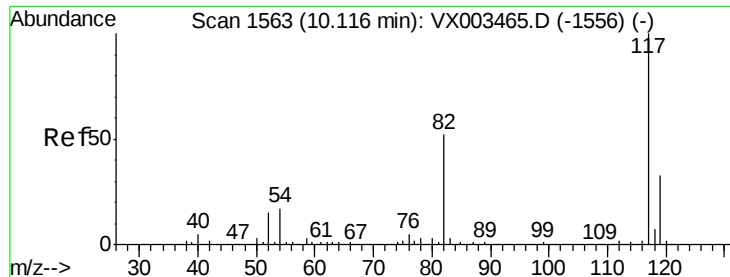
Sig Exp Ratio

95 100

174 93.7

176 90.5





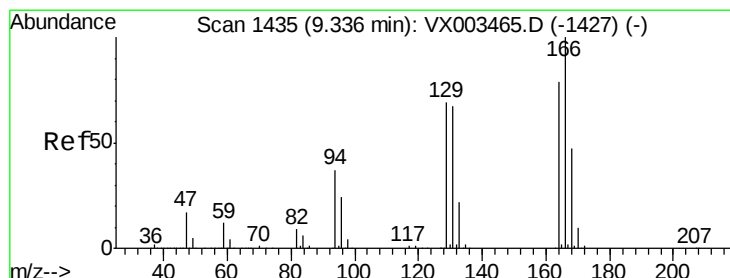
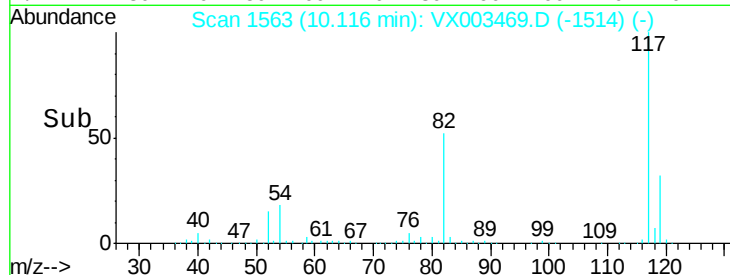
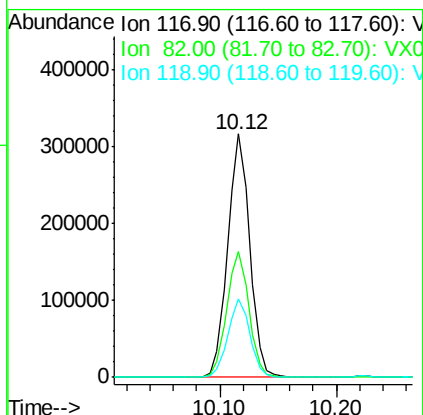
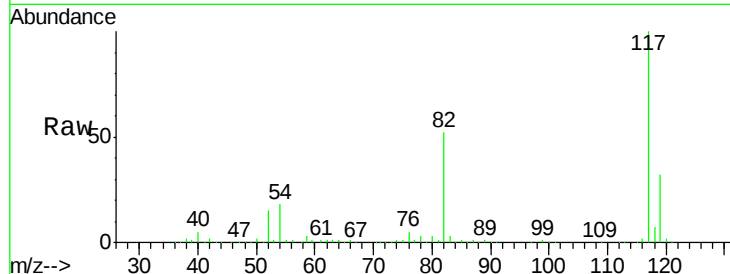
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003469.D
Acq: 19 Jul 2018 16:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	45.0	67.4
119	32.4	25.8	38.6

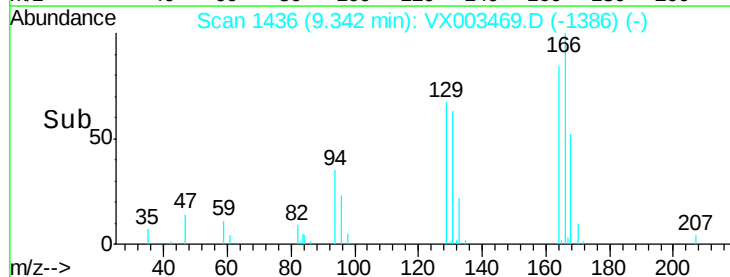
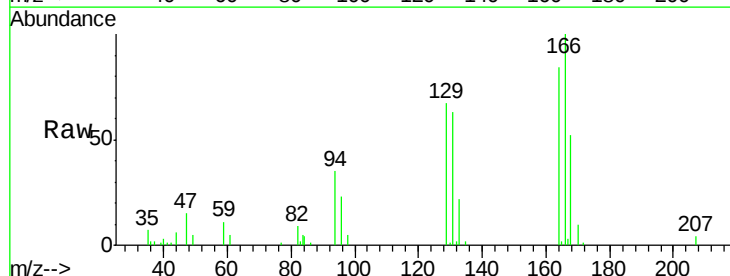
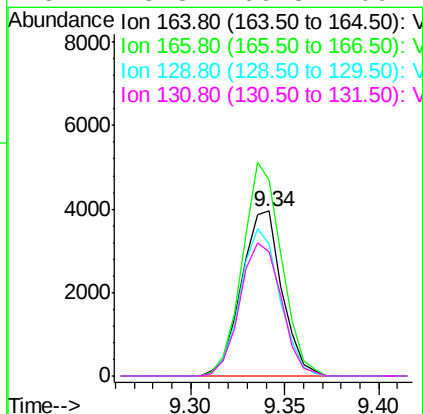
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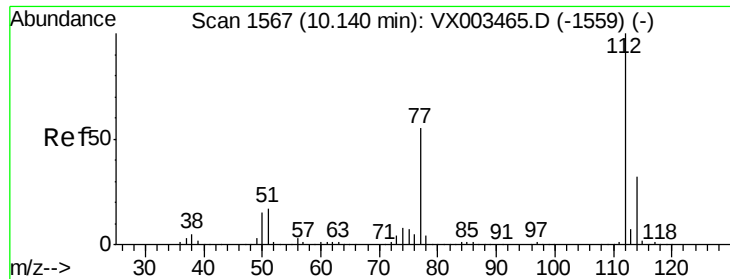
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#64
Tetrachloroethene
Concen: 1.27 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003469.D
Acq: 19 Jul 2018 16:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.0	102.9	154.3
129	79.8	68.6	102.8
131	75.3	66.8	100.2





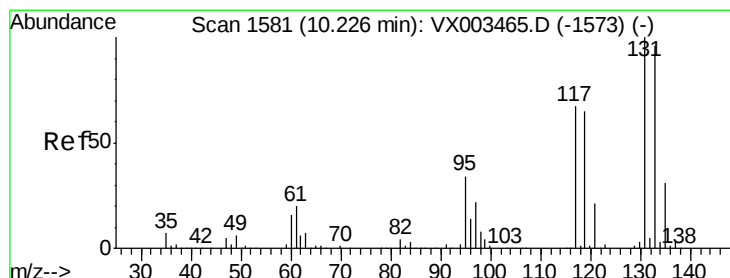
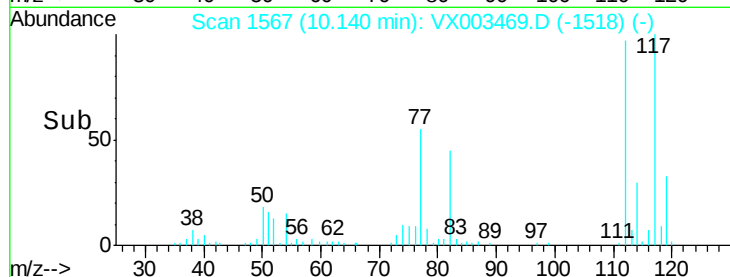
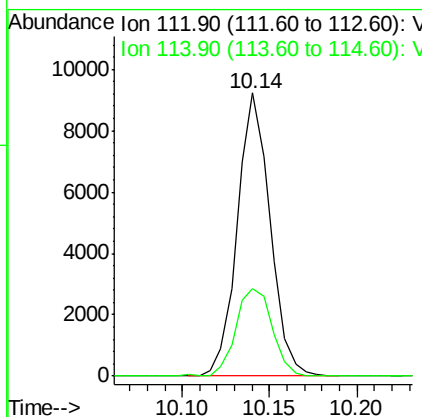
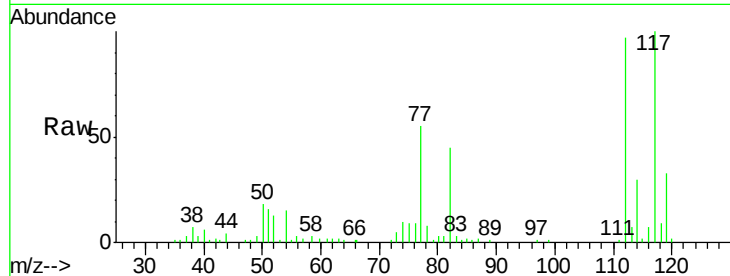
#65
Chlorobenzene
Concen: 1.17 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003469.D
Acq: 19 Jul 2018 16:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:112 Resp: 12011
Ion Ratio Lower Upper
112 100
114 31.0 25.3 37.9

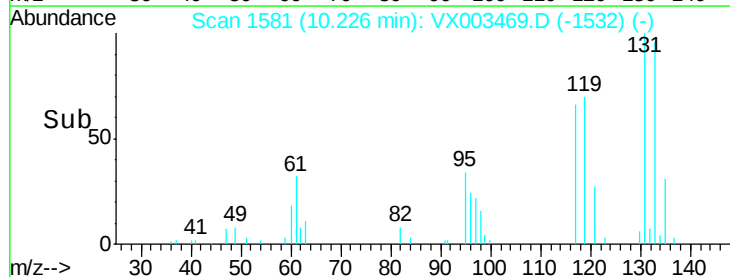
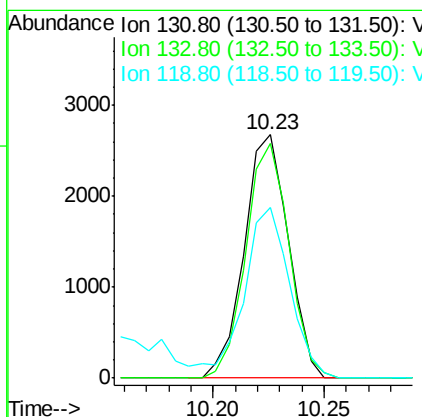
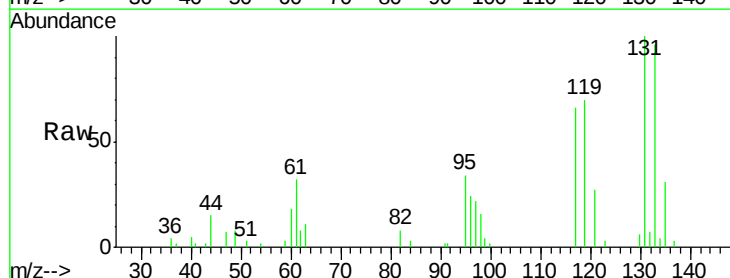
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#66
1,1,1,2-Tetrachloroethane
Concen: 1.06 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003469.D
Acq: 19 Jul 2018 16:34

Tgt Ion:131 Resp: 3696
Ion Ratio Lower Upper
131 100
133 94.2 47.9 143.6
119 0.0 31.8 95.3#





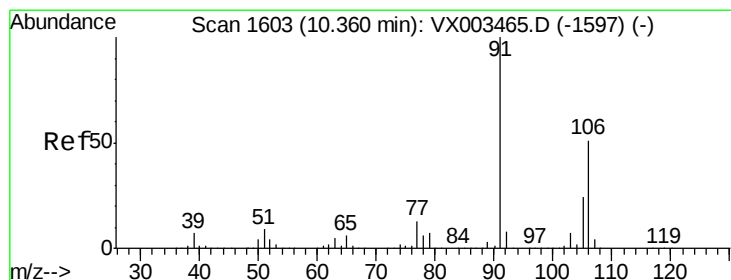
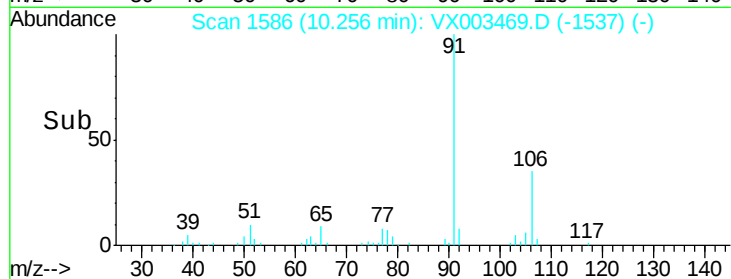
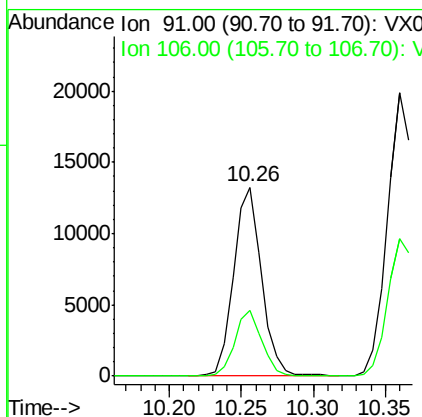
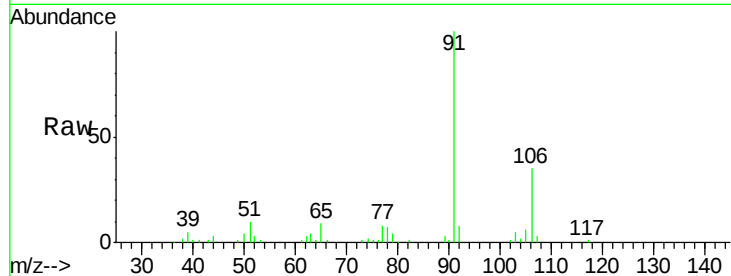
#67
Ethyl Benzene
Concen: 1.04 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003469.D
Acq: 19 Jul 2018 16:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 17951
Ion Ratio Lower Upper
91 100
106 34.8 25.5 38.3

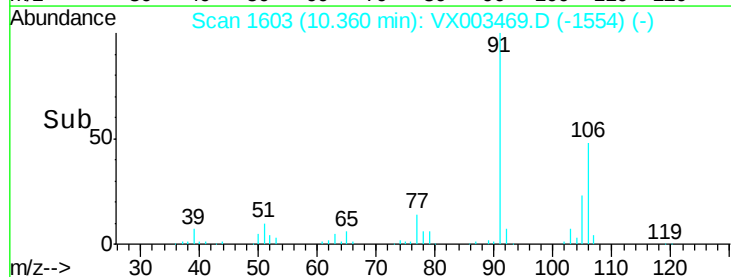
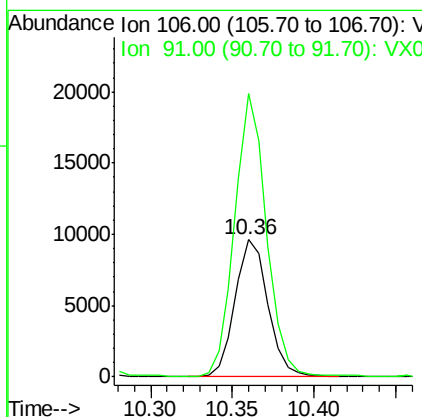
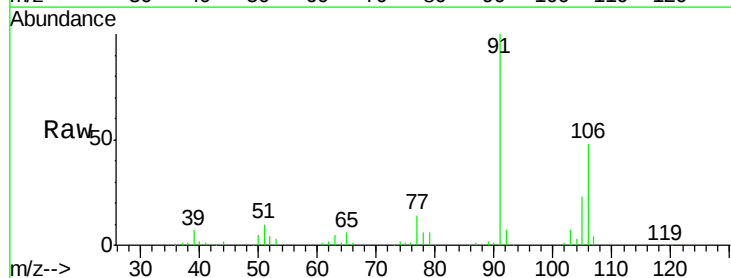
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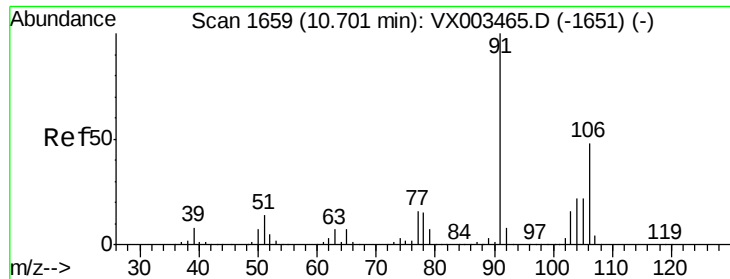
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#68
m/p-Xylenes
Concen: 2.04 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003469.D
Acq: 19 Jul 2018 16:34

Tgt Ion: 106 Resp: 13581
Ion Ratio Lower Upper
106 100
91 198.5 163.4 245.2





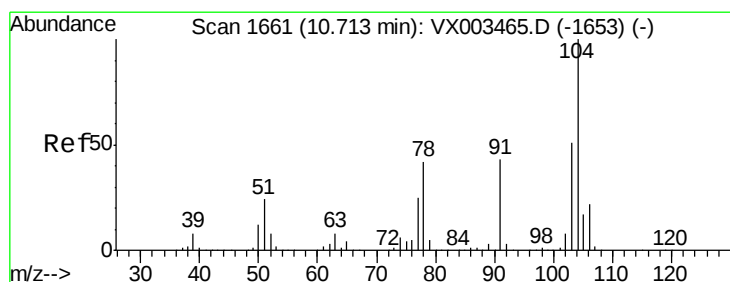
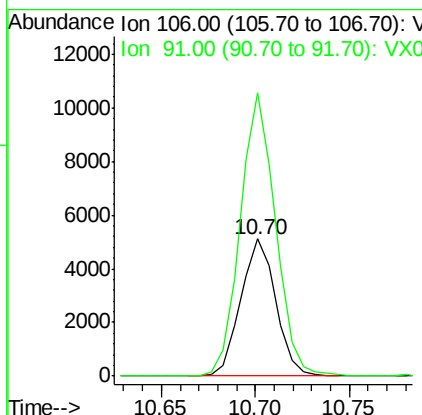
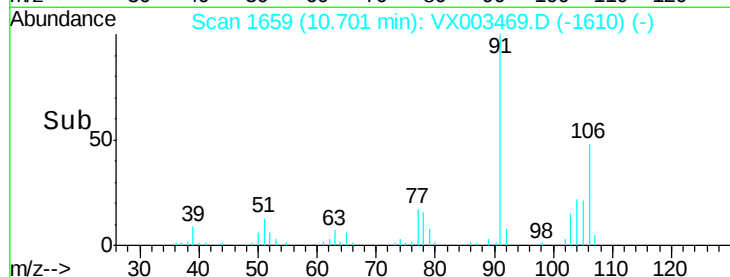
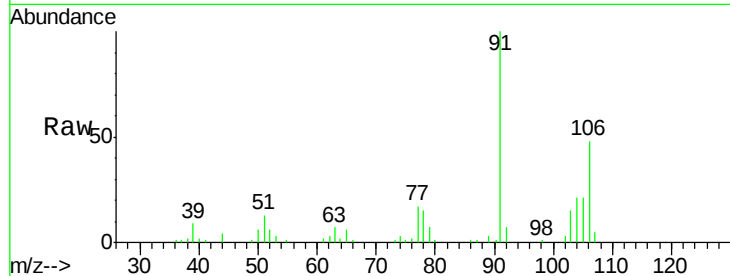
#69
o-Xylene
Concen: 1.01 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003469.D
Acq: 19 Jul 2018 16:34

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion:106 Resp: 6619
Ion Ratio Lower Upper
106 100
91 206.1 108.2 324.6

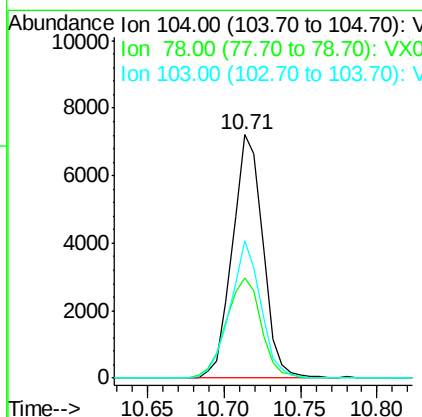
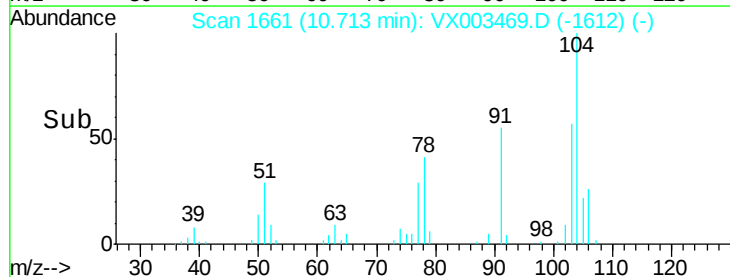
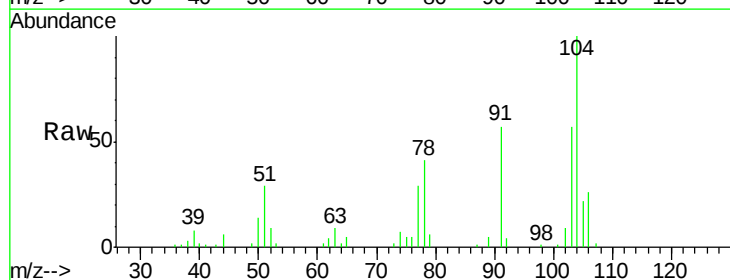
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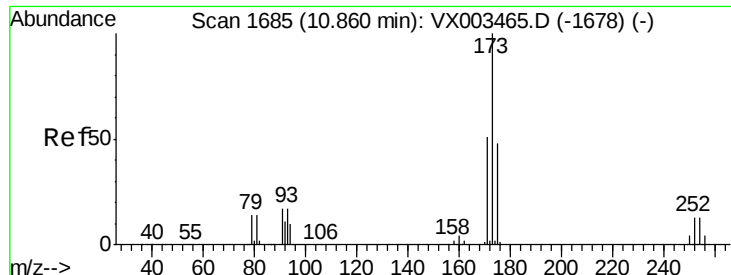
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#70
Styrene
Concen: 0.93 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003469.D
Acq: 19 Jul 2018 16:34

Tgt Ion:104 Resp: 9987
Ion Ratio Lower Upper
104 100
78 47.0 41.0 61.6
103 56.8 44.2 66.4





#71

Bromoform

Concen: 0.93 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:173 Resp: 2440

Ion Ratio Lower Upper

173 100

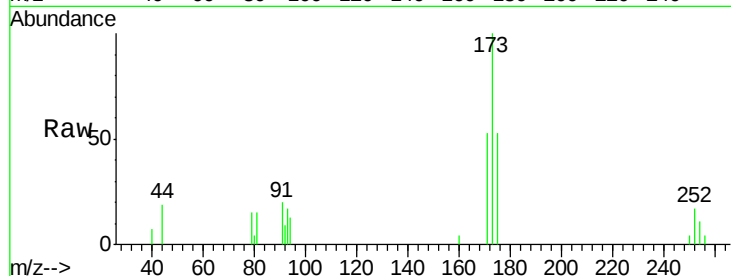
175 53.9 24.7 74.1

254 0.0 0.2 0.2#

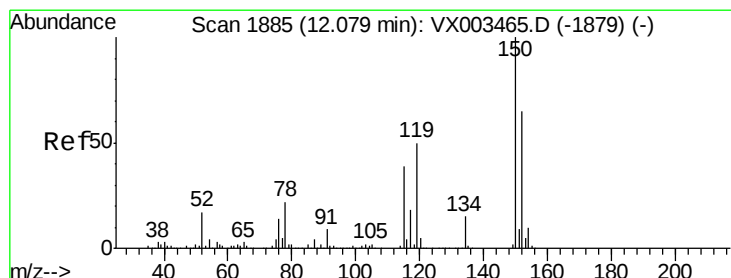
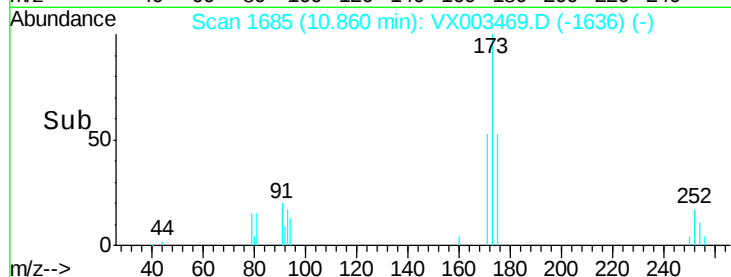
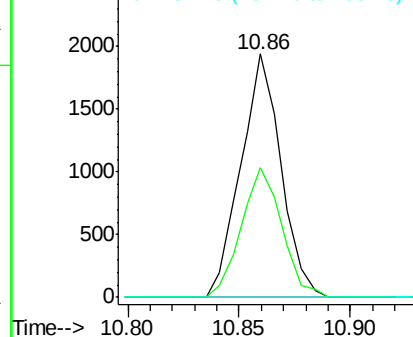
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

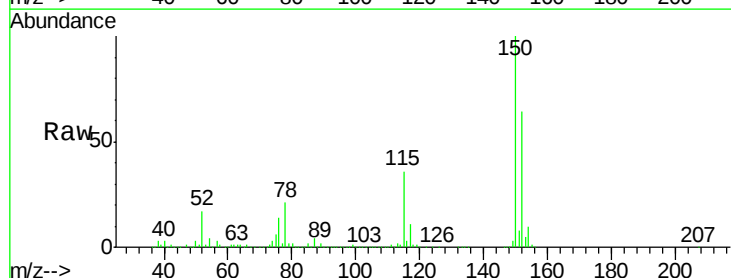
Tgt Ion:152 Resp: 234943

Ion Ratio Lower Upper

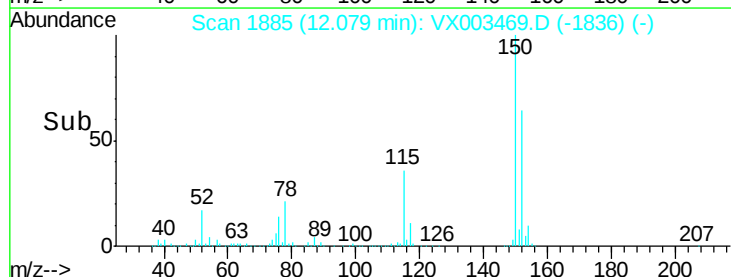
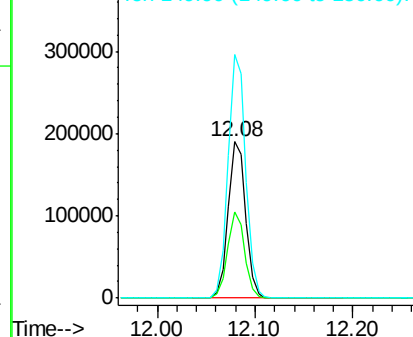
152 100

115 54.3 40.1 120.2

150 157.1 0.0 347.2



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





#73

Isopropylbenzene

Concen: 1.07 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.01 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 16765

Ion Ratio Lower Upper

105 100

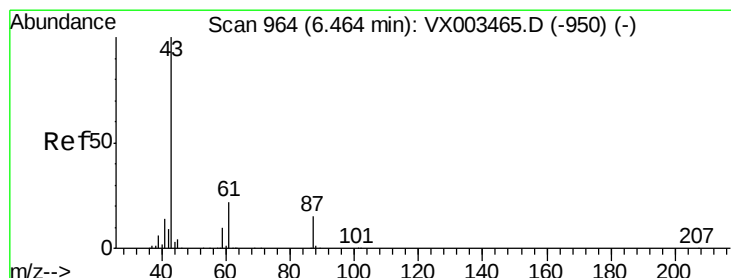
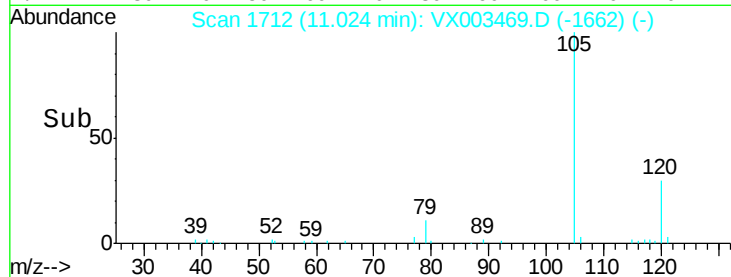
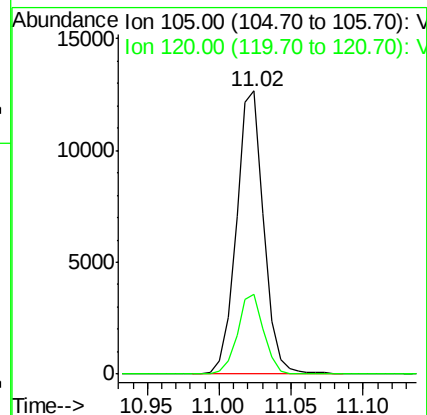
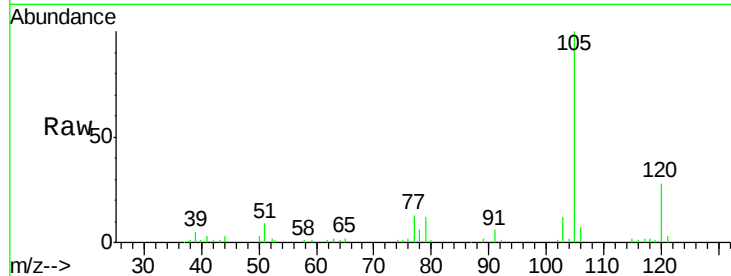
120 26.9 13.5 40.4

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#74

N-ethyl acetate

Concen: 1.01 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

Tgt Ion: 43 Resp: 7864

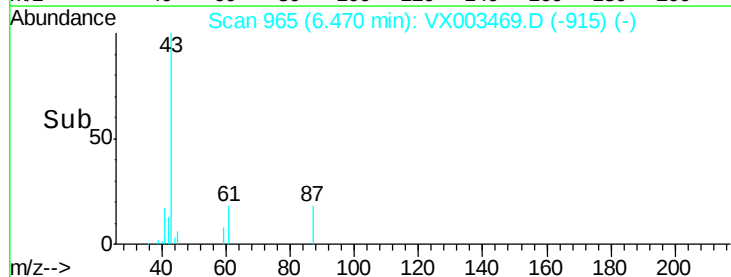
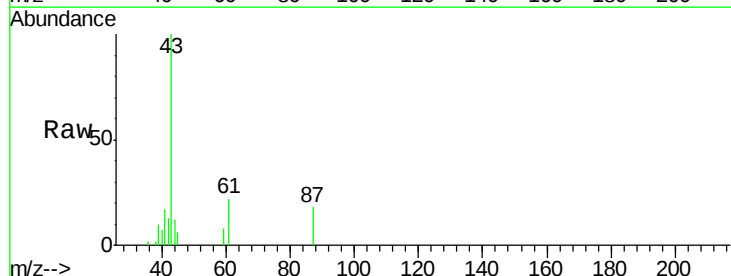
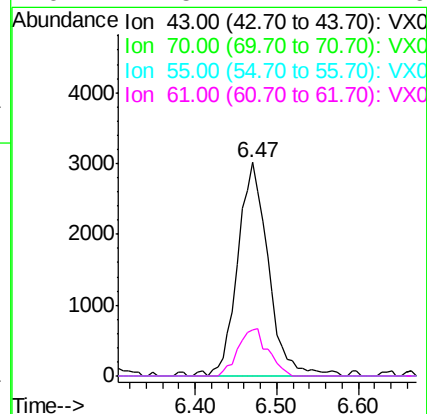
Ion Ratio Lower Upper

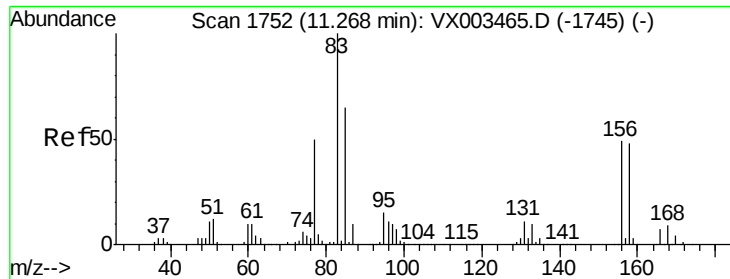
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 21.5 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 1.11 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

Instrument :

MSVOA_X

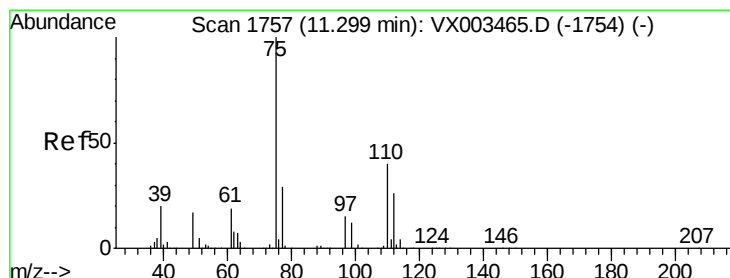
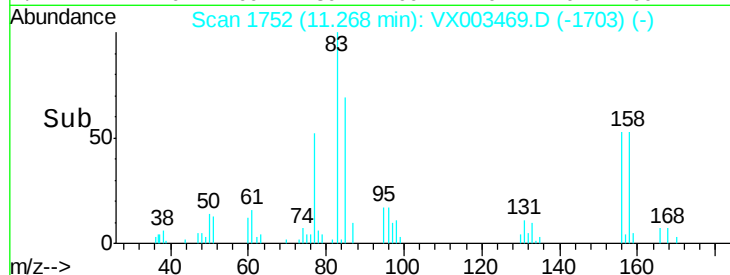
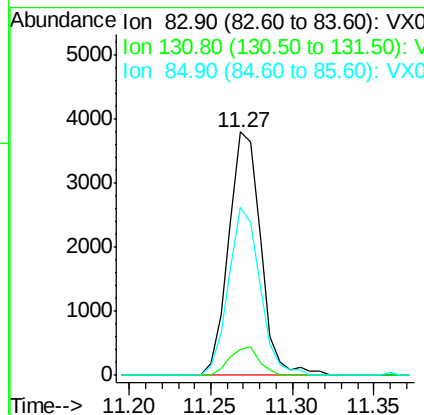
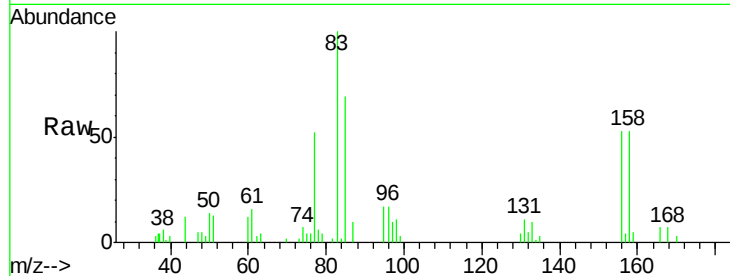
ClientSampleId :

VSTDIC001

Tot Ion:	83	Resp:	5166
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.6	16.8
85	67.8	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 1.03 ug/l m

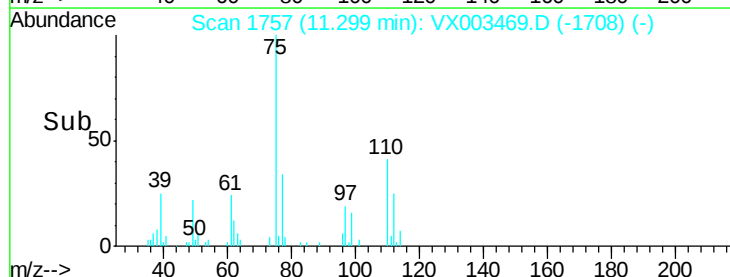
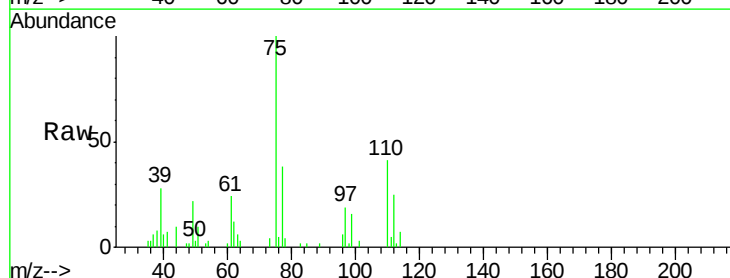
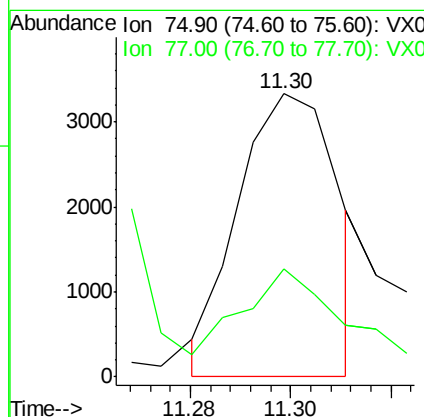
RT: 11.30 min Scan# 1757

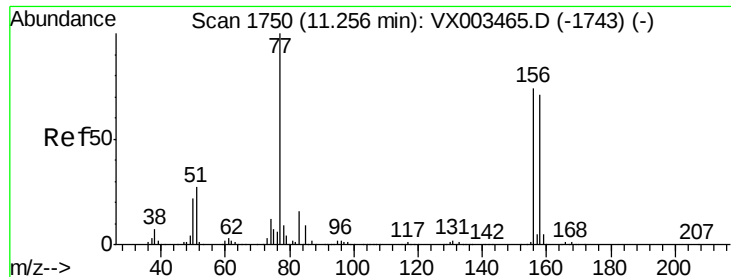
Delta R.T. 0.00 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

Tgt Ion:	75	Resp:	4574
Ion	Ratio	Lower	Upper
75	100		
77	43.7	22.8	68.3





#77

Bromobenzene

Concen: 1.20 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

Instrument :

MSVOA_X

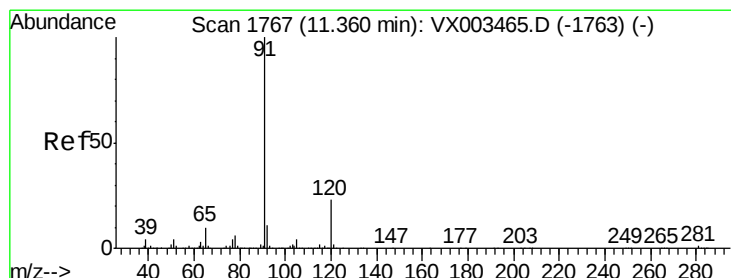
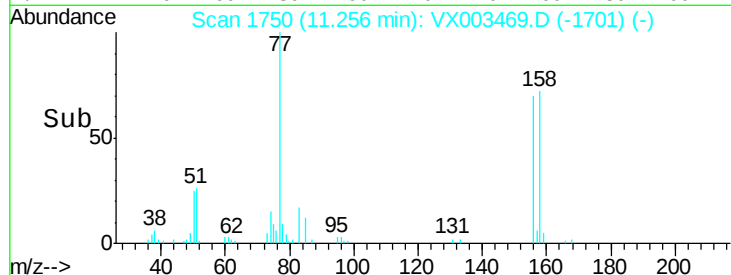
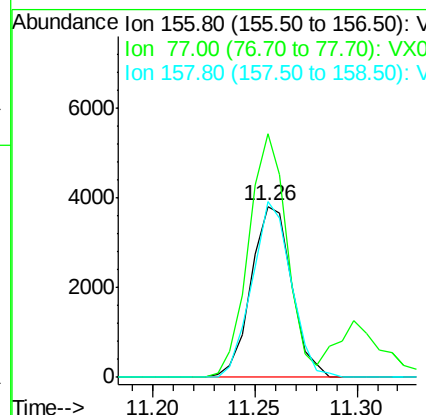
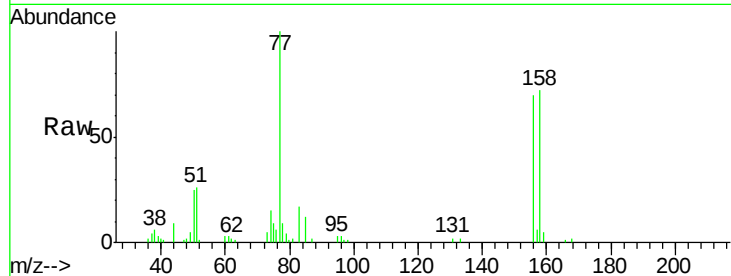
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
156	100		
77	135.5	71.4	214.2
158	99.2	48.9	146.6

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#78

n-propylbenzene

Concen: 1.02 ug/l

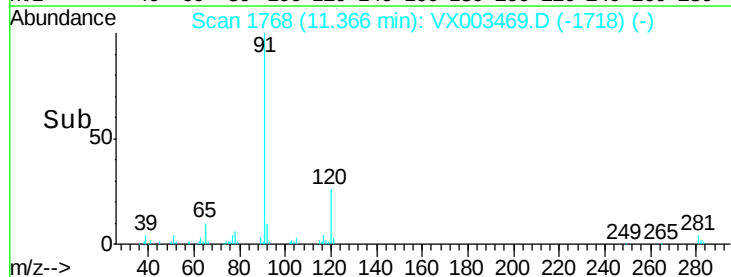
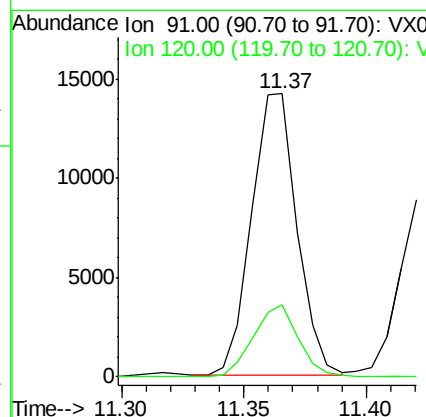
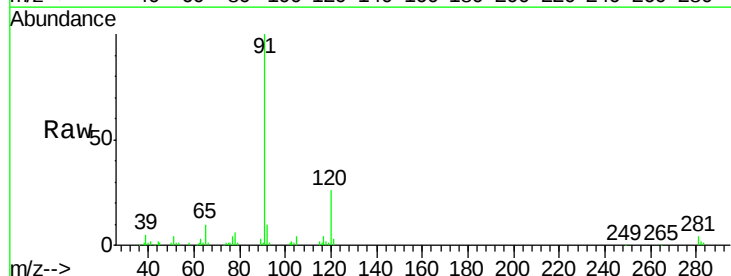
RT: 11.37 min Scan# 1768

Delta R.T. 0.01 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.2	11.8	35.4





#79

2-Chlorotoluene

Concen: 1.11 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.01 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 11950

Ion Ratio Lower Upper

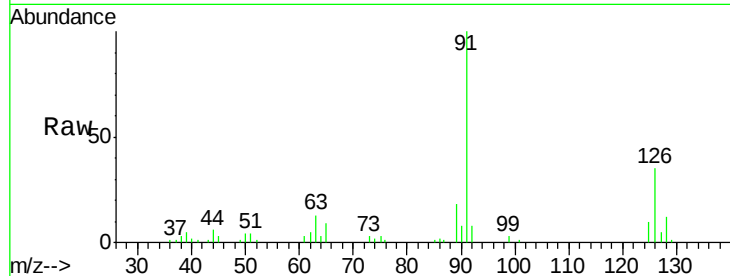
91 100

126 36.6 17.7 53.1

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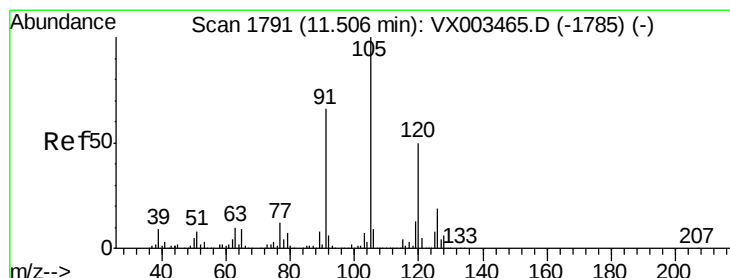
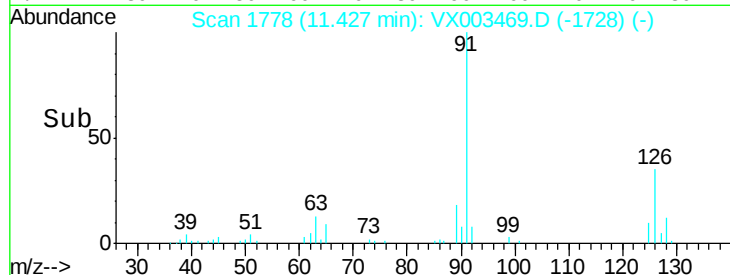
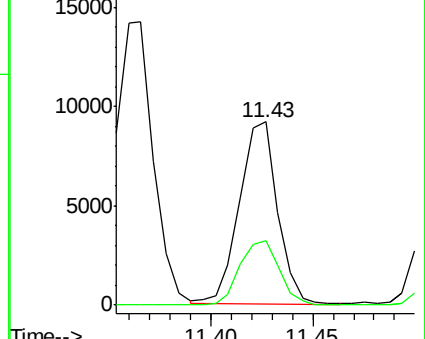
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Abundance Ion 91.00 (90.70 to 91.70): VX003469.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX003469.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.98 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003469.D

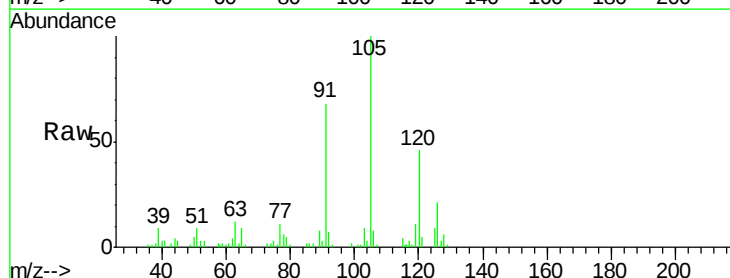
Acq: 19 Jul 2018 16:34

Tgt Ion: 105 Resp: 13030

Ion Ratio Lower Upper

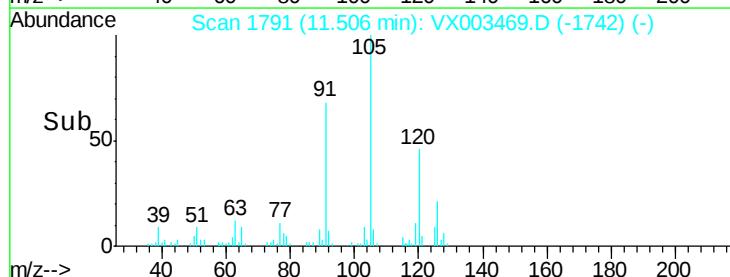
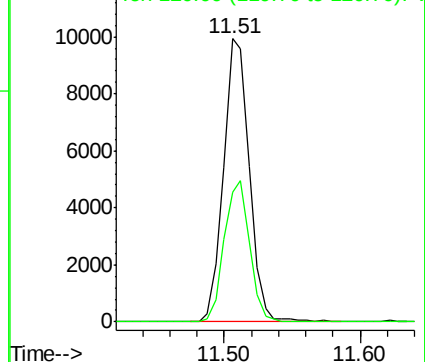
105 100

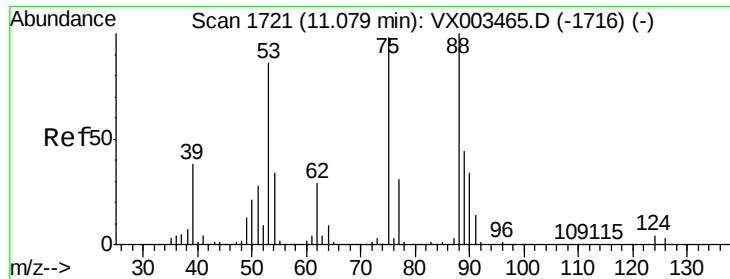
120 48.8 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX003469.D (-1742) (-)

Ion 120.00 (119.70 to 120.70): VX003469.D (-1742) (-)





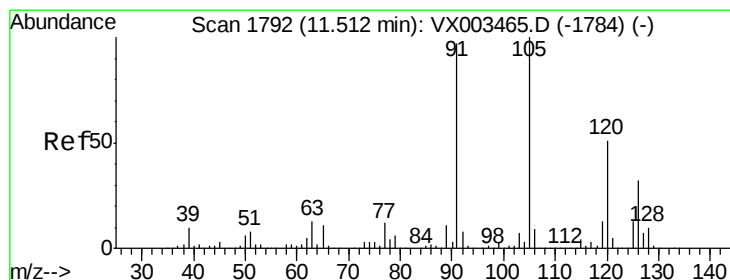
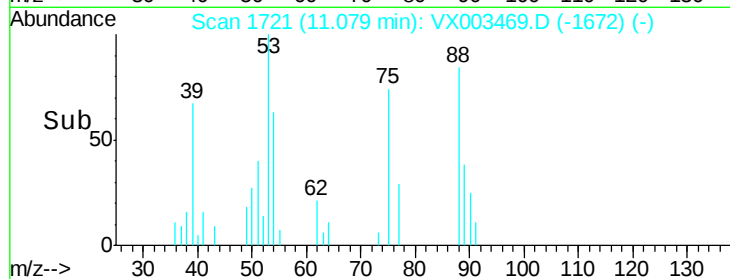
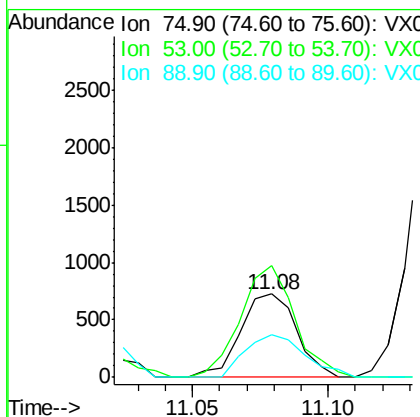
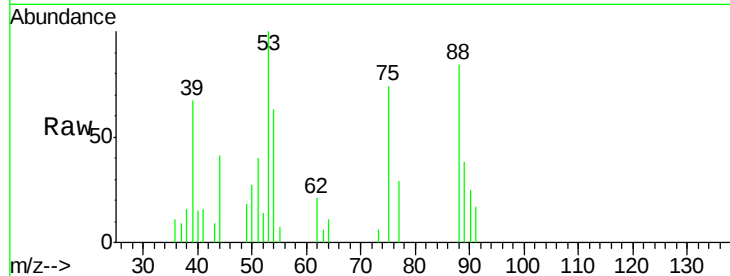
#81
trans-1,4-Dichloro-2-butene
Concen: 0.88 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003469.D
Acq: 19 Jul 2018 16:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 75 Resp: 1033
Ion Ratio Lower Upper
75 100
53 130.5 86.8 130.2#
89 54.6 38.2 57.2

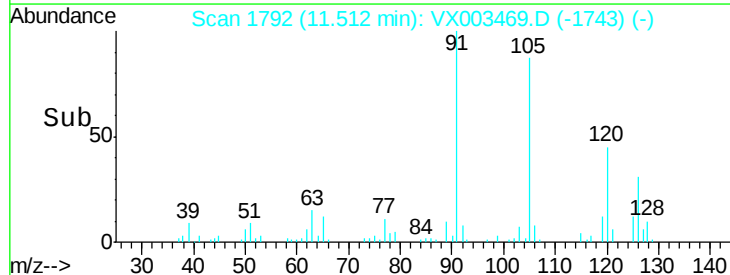
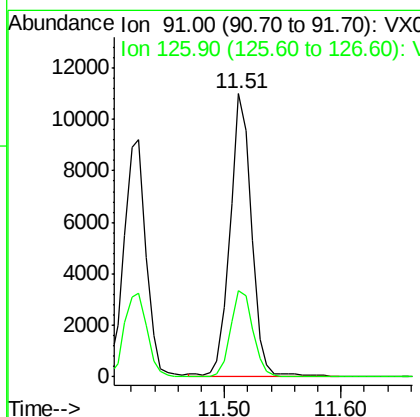
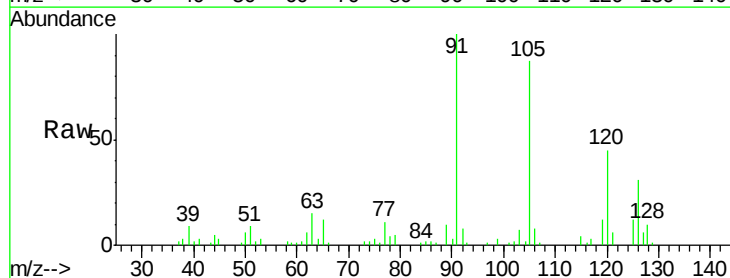
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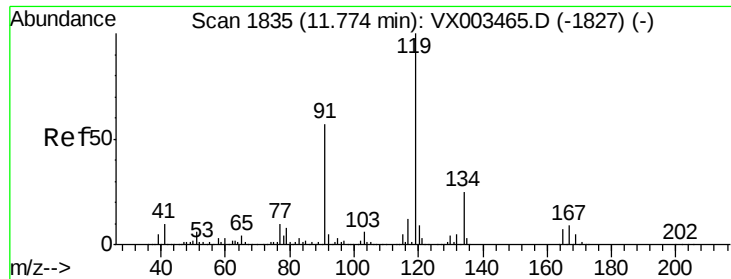
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#82
4-Chlorotoluene
Concen: 1.12 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003469.D
Acq: 19 Jul 2018 16:34

Tgt Ion: 91 Resp: 14227
Ion Ratio Lower Upper
91 100
126 31.4 15.4 46.4





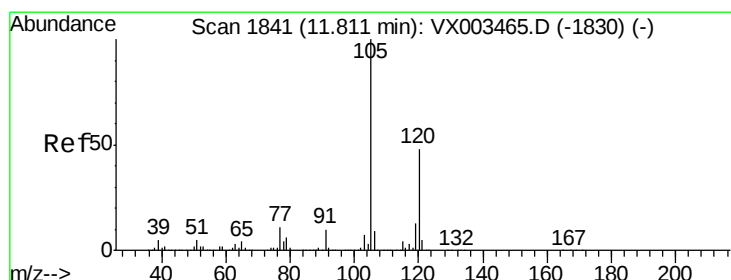
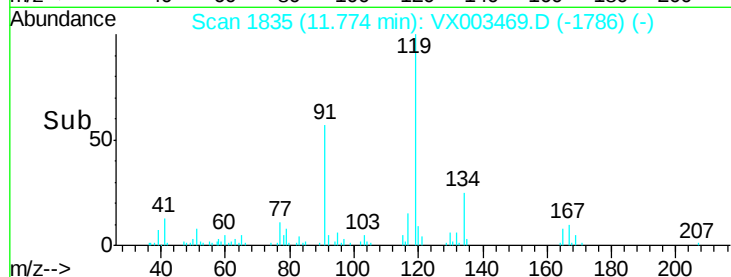
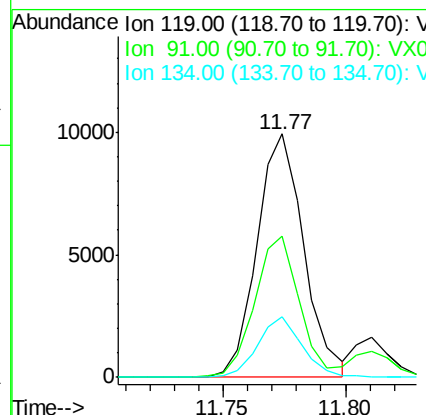
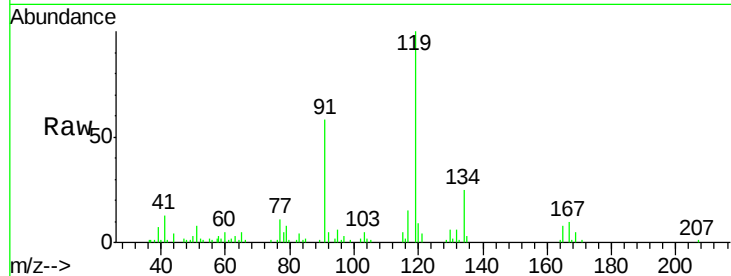
#83
 tert-Butylbenzene
 Concen: 1.04 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003469.D
 Acq: 19 Jul 2018 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.3	30.3	90.9
134	23.4	11.7	35.1

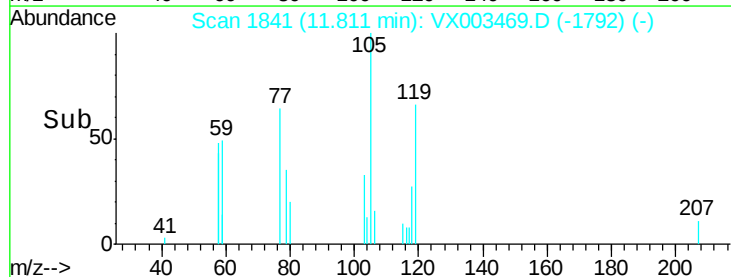
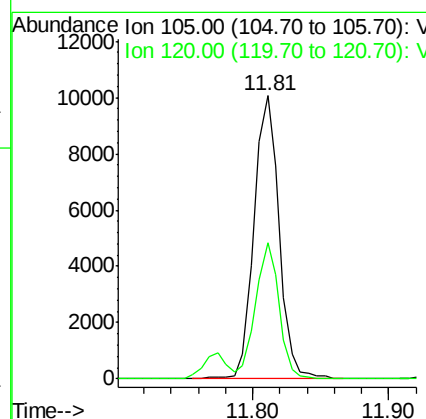
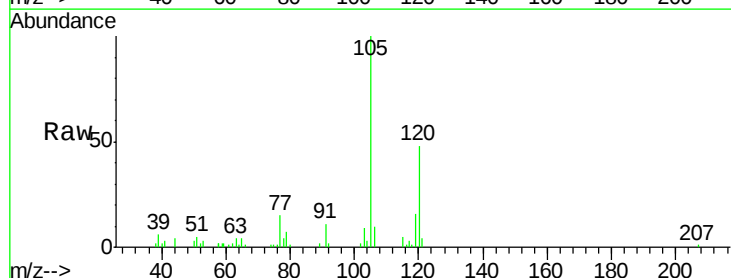
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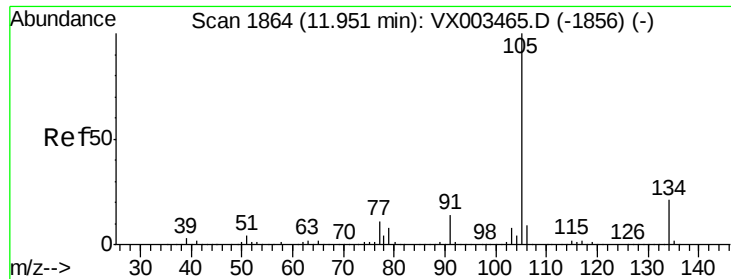
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#84
 1,2,4-Trimethylbenzene
 Concen: 0.96 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003469.D
 Acq: 19 Jul 2018 16:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.3	66.8





#85

sec-Butylbenzene

Concen: 1.01 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.01 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion:105 Resp: 16142

Ion Ratio Lower Upper

105 100

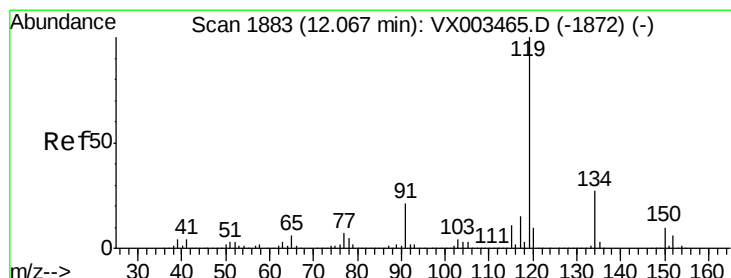
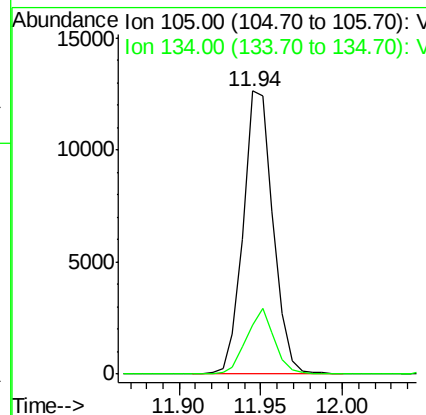
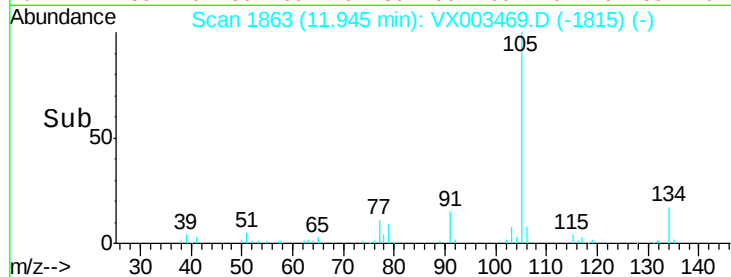
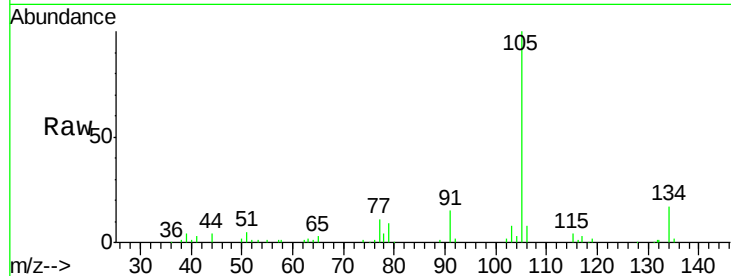
134 21.5 10.4 31.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 0.97 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003469.D

Acq: 19 Jul 2018 16:34

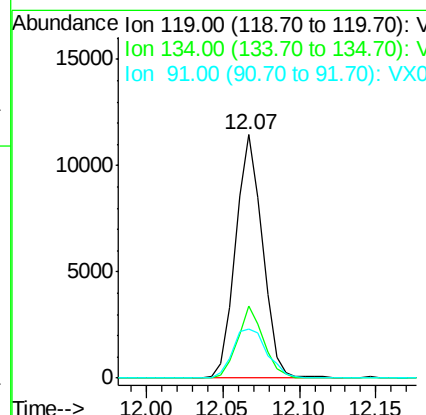
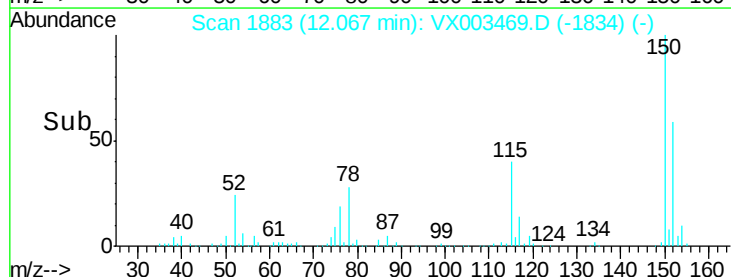
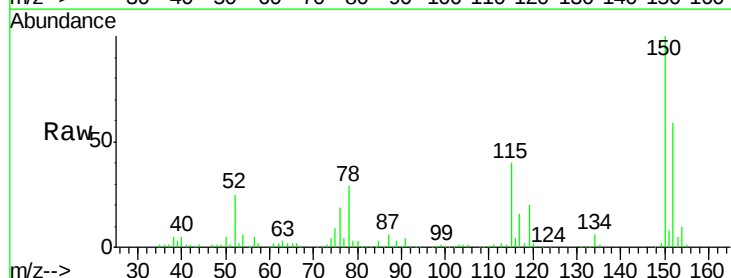
Tgt Ion:119 Resp: 13988

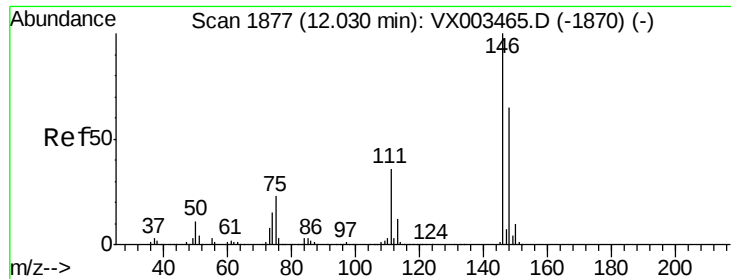
Ion Ratio Lower Upper

119 100

134 28.2 13.4 40.1

91 25.7 11.9 35.7





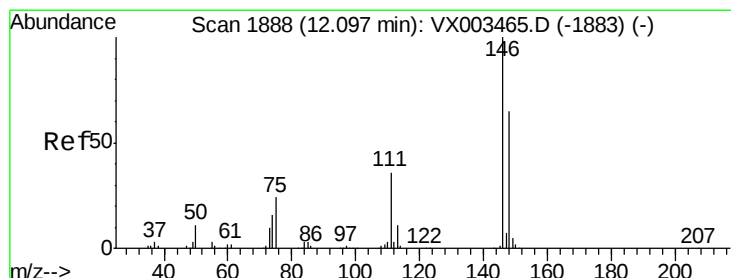
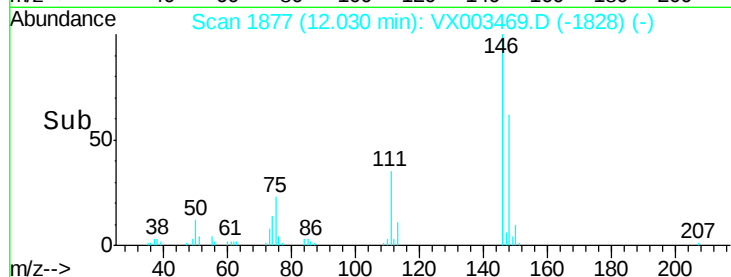
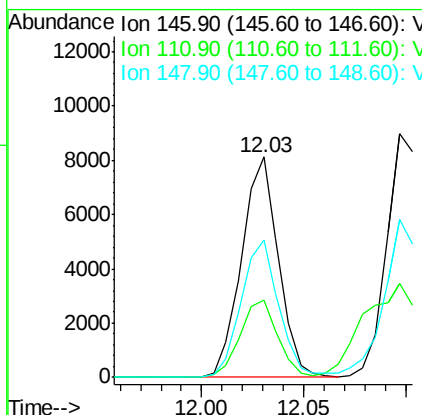
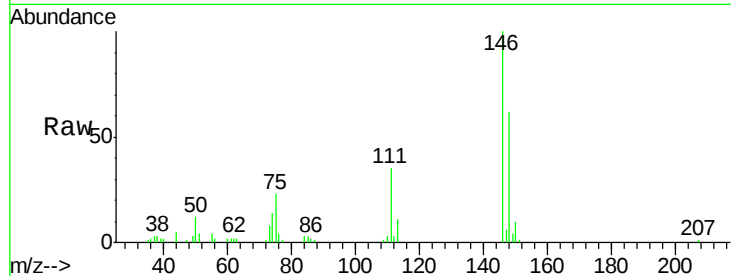
#87
 1,3-Dichlorobenzene
 Concen: 1.27 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003469.D
 Acq: 19 Jul 2018 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.6	18.9	56.7
148	63.7	32.1	96.3

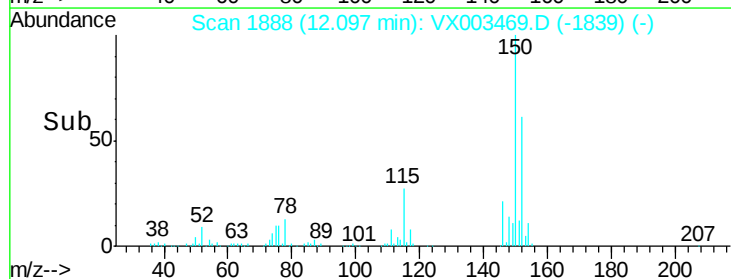
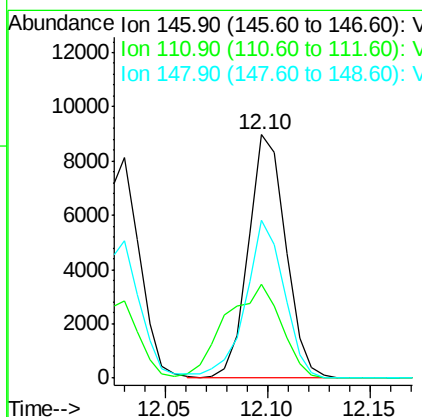
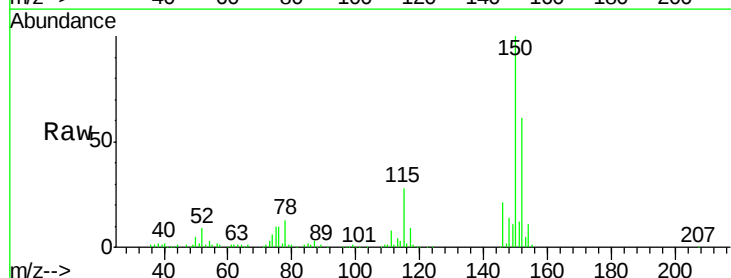
Manual Integrations
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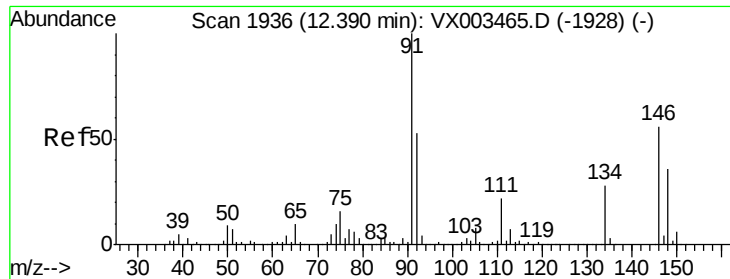
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#88
 1,4-Dichlorobenzene
 Concen: 1.40 ug/l m
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003469.D
 Acq: 19 Jul 2018 16:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	31.8	18.7	56.1
148	56.9	32.4	97.0





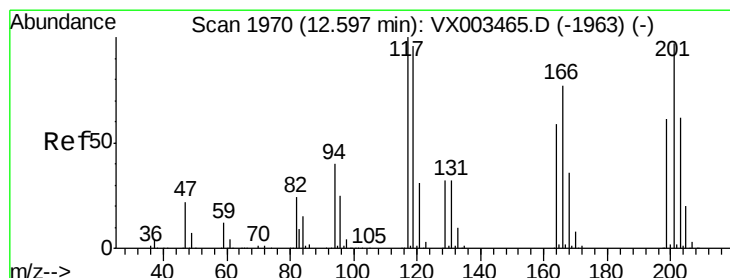
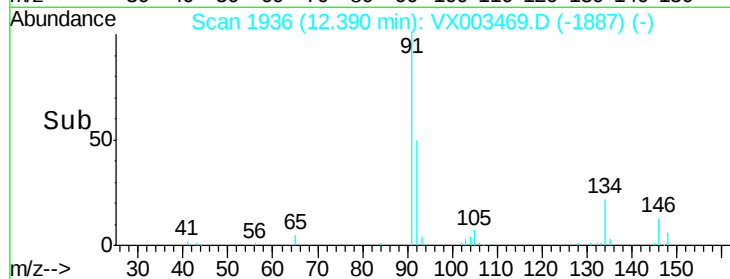
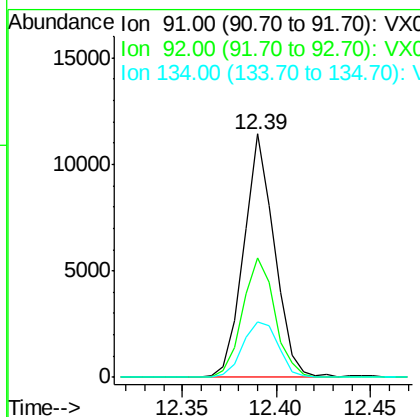
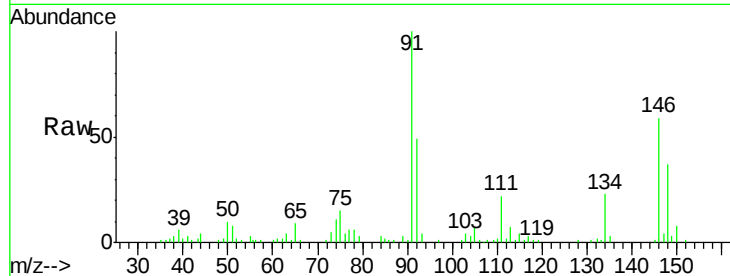
#89
n-Butylbenzene
Concen: 1.01 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003469.D
Acq: 19 Jul 2018 16:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.0	78.0
134	26.5	13.5	40.5

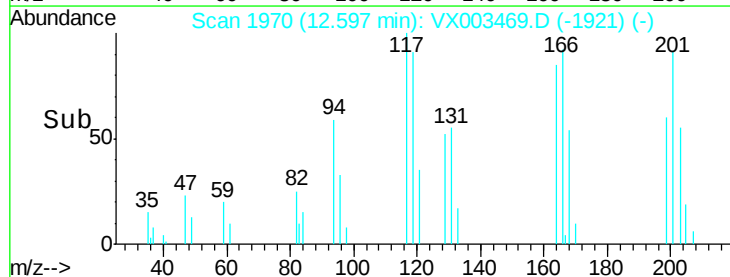
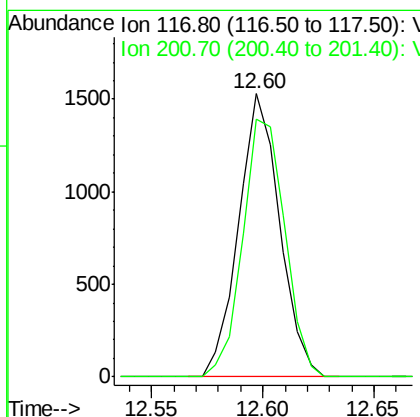
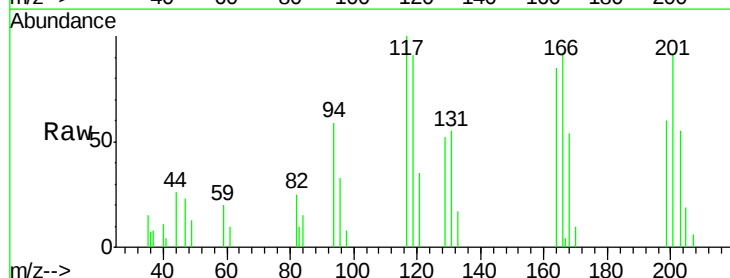
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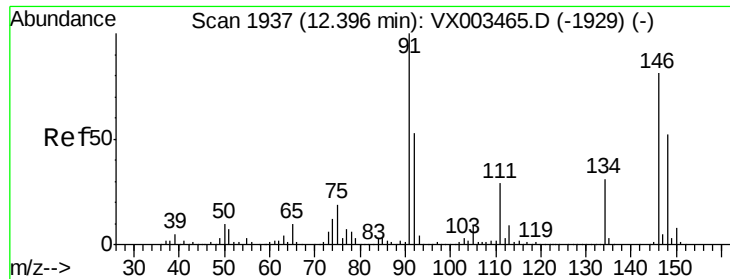
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#90
Hexachloroethane
Concen: 0.99 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003469.D
Acq: 19 Jul 2018 16:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.5	49.0	147.0





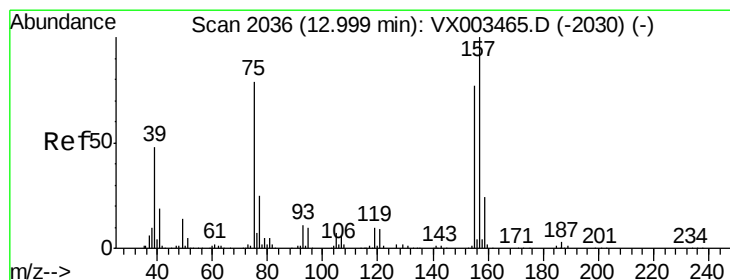
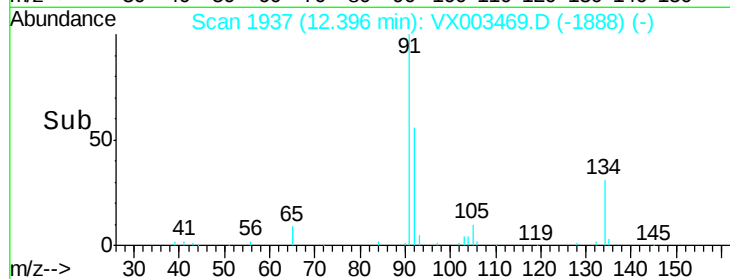
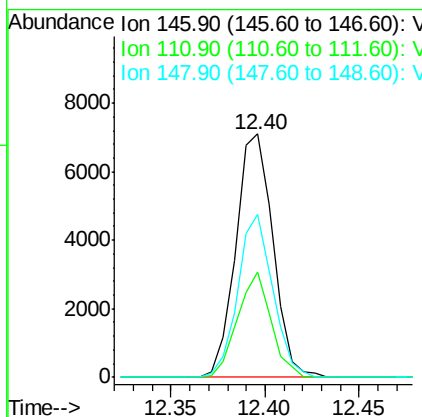
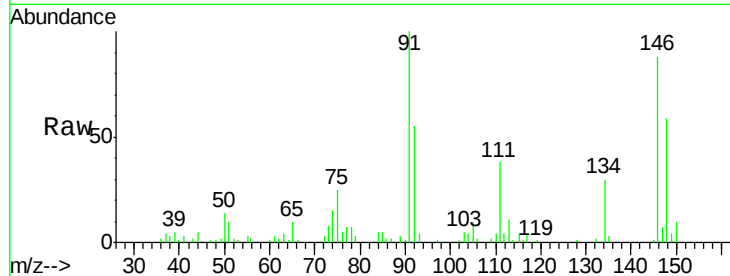
#91
 1,2-Dichlorobenzene
 Concen: 1.20 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003469.D
 Acq: 19 Jul 2018 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.1
148	63.1	31.7	95.1

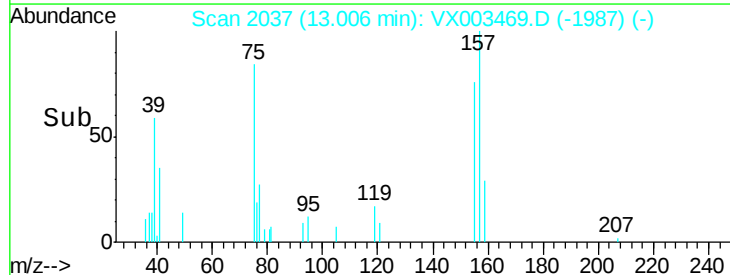
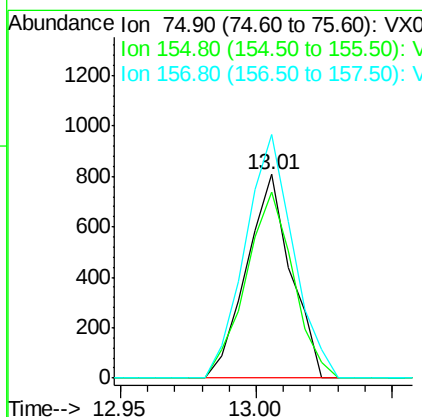
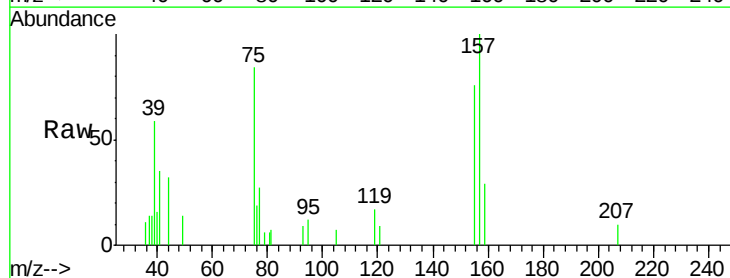
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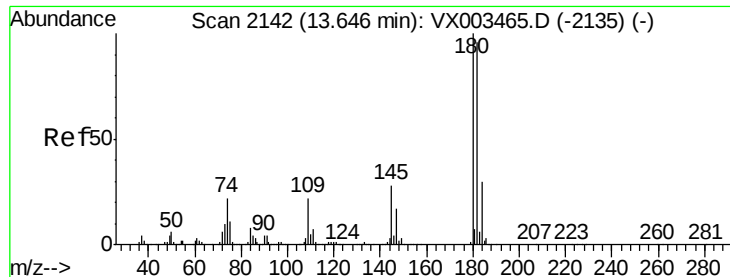
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.94 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VX003469.D
 Acq: 19 Jul 2018 16:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.8	45.8	137.4
157	129.5	60.1	180.3





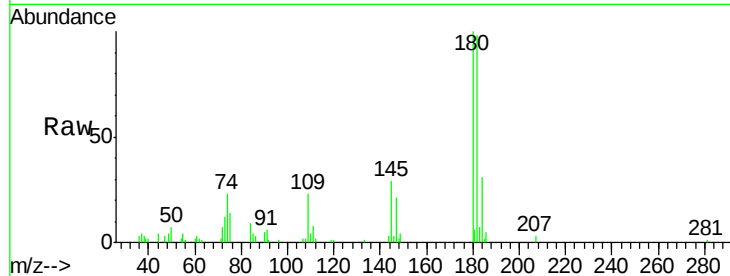
#93
 1,2,4-Trichlorobenzene
 Concen: 1.27 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003469.D
 Acq: 19 Jul 2018 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

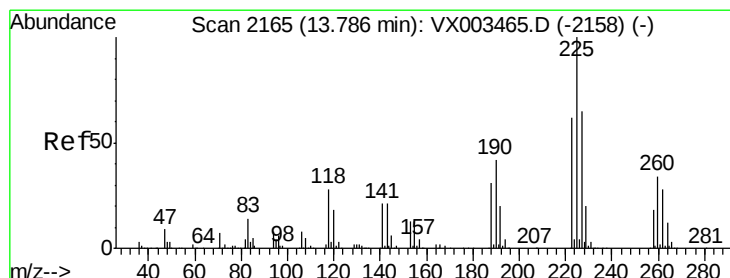
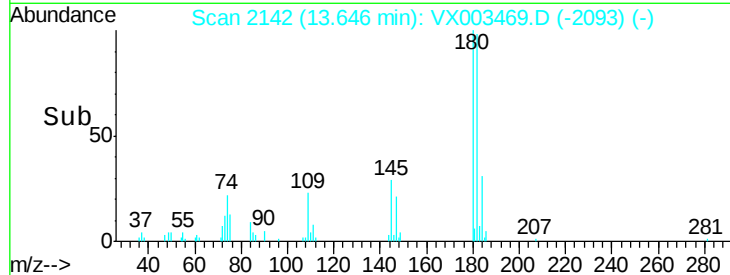
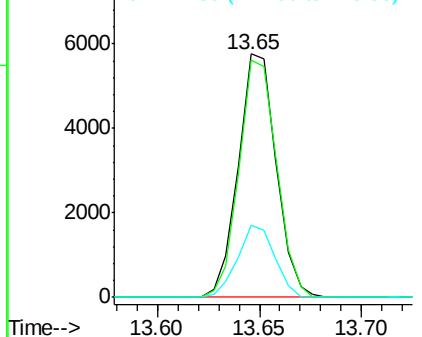
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.7	143.1
145	28.8	14.1	42.4

Manual Integrations
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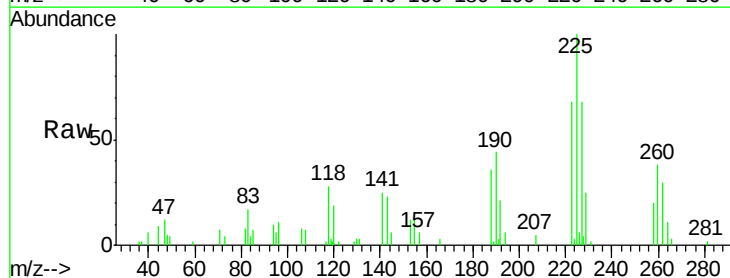


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

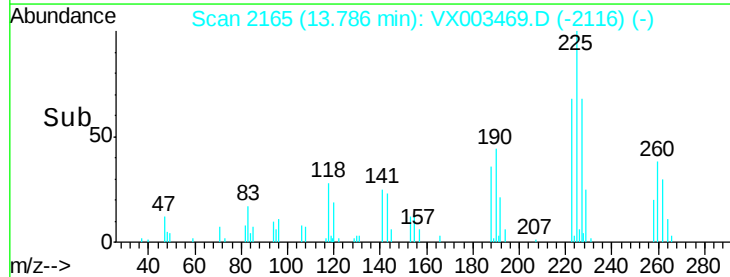
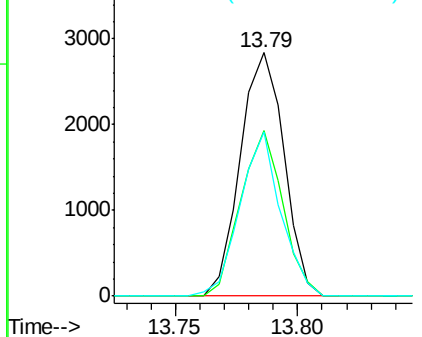


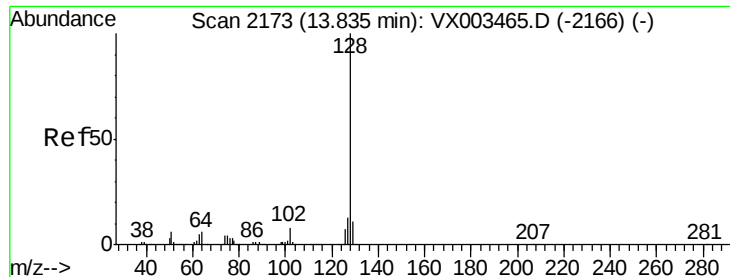
#94
 Hexachlorobutadiene
 Concen: 1.15 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003469.D
 Acq: 19 Jul 2018 16:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.6	31.6	95.0
227	63.0	32.4	97.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





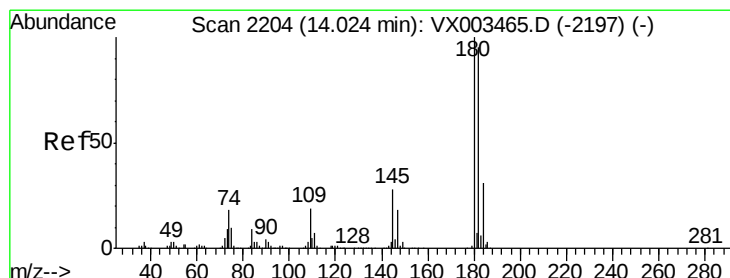
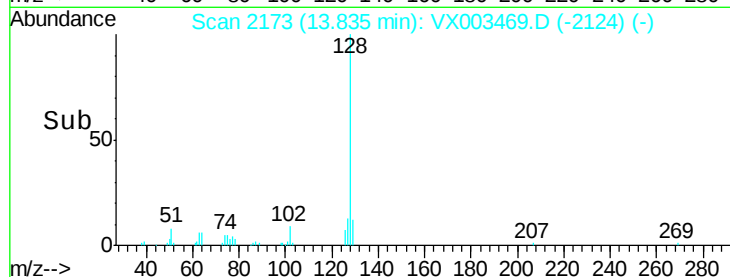
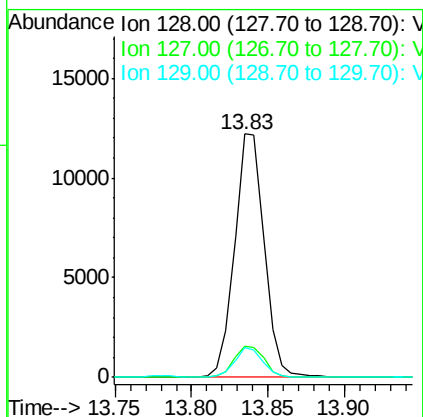
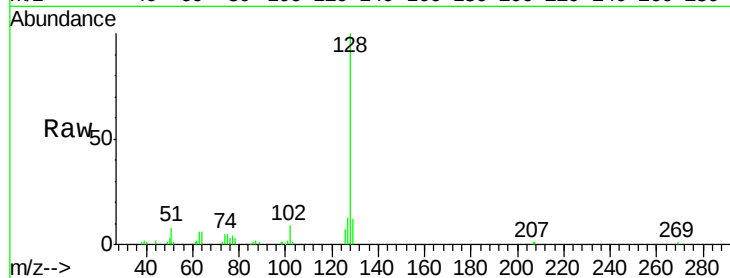
#95
Naphthalene
Concen: 1.04 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003469.D
Acq: 19 Jul 2018 16:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:11 PM



#96
1,2,3-Trichlorobenzene
Concen: 1.19 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003469.D
Acq: 19 Jul 2018 16:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.0	144.0
145	28.5	14.8	44.3

