

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101018\
 Data File : VX005207.D
 Acq On : 10 Oct 2018 15:33
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/12/2018 11:44:59 AM

Quant Time: Oct 11 06:52:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	258162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	358725	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	338396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	195132	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	130744	35.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.90%	
35) Dibromofluoromethane	5.51	113	105468	34.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.38%	
50) Toluene-d8	8.72	98	387576	38.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.70%	
62) 4-Bromofluorobenzene	11.14	95	150271	41.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	186729	53.05	ug/l	98
3) Chloromethane	1.32	50	193625	45.34	ug/l	99
4) Vinyl Chloride	1.40	62	189268	47.25	ug/l	100
5) Bromomethane	1.64	94	115352	48.57	ug/l	93
6) Chloroethane	1.71	64	108957	49.91	ug/l	95
7) Trichlorofluoromethane	1.92	101	250219	50.46	ug/l	96
8) Diethyl Ether	2.19	74	100073	46.46	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	140451	49.72	ug/l	100
10) Methyl Iodide	2.51	142	161320	42.68	ug/l	92
11) Tert butyl alcohol	3.08	59	227325	220.46	ug/l	99
12) 1,1-Dichloroethene	2.37	96	131912	47.16	ug/l	93
13) Acrolein	2.29	56	121841	166.07	ug/l	92
14) Allyl chloride	2.72	41	293023	48.01	ug/l	94
15) Acrylonitrile	3.15	53	519033	228.65	ug/l	95
16) Acetone	2.45	43	528170	245.31	ug/l	94
17) Carbon Disulfide	2.56	76	387208	46.07	ug/l	99
18) Methyl Acetate	2.78	43	266001	48.76	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	464818	48.17	ug/l	96
20) Methylene Chloride	2.85	84	148705	47.46	ug/l	91
21) trans-1,2-Dichloroethene	3.16	96	138889	45.36	ug/l #	76
22) Diisopropyl ether	3.87	45	471219	45.85	ug/l	97
23) Vinyl Acetate	3.82	43	2111931	224.49	ug/l	100
24) 1,1-Dichloroethane	3.70	63	270726	44.16	ug/l	98
25) 2-Butanone	4.71	43	733370	231.08	ug/l	96
26) 2,2-Dichloropropane	4.58	77	210562	49.32	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	146492	42.82	ug/l	92
28) Bromochloromethane	5.02	49	102414	35.47	ug/l	99
29) Tetrahydrofuran	5.16	42	453965	230.14	ug/l	96
30) Chloroform	5.21	83	246587	42.56	ug/l	99
31) Cyclohexane	5.57	56	233998	49.87	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	217725	46.01	ug/l	96
36) 1,1-Dichloropropene	5.80	75	194968	47.00	ug/l	95
37) Ethyl Acetate	4.86	43	241324	43.83	ug/l	99
38) Carbon Tetrachloride	5.78	117	198233	45.46	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.46	83	234781	55.43	ug/l #	84
40) Benzene	6.14	78	561005	43.20	ug/l	97
41) Methacrylonitrile	5.06	41	134543	44.06	ug/l	97
42) 1,2-Dichloroethane	6.20	62	198711	43.29	ug/l	98
43) Isopropyl Acetate	6.46	43	357401	44.97	ug/l	96
44) Trichloroethene	7.21	130	149272	46.76	ug/l	96
45) 1,2-Dichloropropane	7.52	63	149173	46.84	ug/l	98
46) Dibromomethane	7.66	93	96141	48.04	ug/l	100
47) Bromodichloromethane	7.90	83	185395	49.48	ug/l	100
48) Methyl methacrylate	7.78	41	190611	52.84	ug/l	100
49) 1,4-Dioxane	7.76	88	80318	896.26	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1266874	253.18	ug/l	99
52) Toluene	8.79	92	350788	49.16	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	214251	50.60	ug/l	92
54) cis-1,3-Dichloropropene	8.44	75	232089	52.33	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	143487	45.91	ug/l	96
56) Ethyl methacrylate	9.18	69	230516	45.71	ug/l	97
57) 1,3-Dichloropropane	9.37	76	240669	46.26	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	499931	189.29	ug/l	99
59) 2-Hexanone	9.50	43	1025967	246.04	ug/l	95
60) Dibromochloromethane	9.59	129	152250	48.71	ug/l	99
61) 1,2-Dibromoethane	9.68	107	148475	44.35	ug/l	94
64) Tetrachloroethene	9.34	164	150626	45.23	ug/l	95
65) Chlorobenzene	10.14	112	395478	45.58	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	145185	47.59	ug/l	98
67) Ethyl Benzene	10.26	91	684007	49.65	ug/l	96
68) m/p-Xylenes	10.36	106	536581	99.67	ug/l	95
69) o-Xylene	10.70	106	255051	51.58	ug/l	100
70) Styrene	10.71	104	431047	46.75	ug/l	99
71) Bromoform	10.86	173	126846	48.57	ug/l #	97
73) Isopropylbenzene	11.02	105	701087	57.00	ug/l	100
74) N-amyl acetate	10.90	43	328244	48.61	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	239628	47.86	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	219702m	50.23	ug/l	
77) Bromobenzene	11.26	156	184459	51.63	ug/l	100
78) n-propylbenzene	11.36	91	817883	57.96	ug/l	99
79) 2-Chlorotoluene	11.42	91	480796	54.66	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	602005	53.42	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	72728	45.54	ug/l	98
82) 4-Chlorotoluene	11.51	91	575414	55.58	ug/l	99
83) tert-Butylbenzene	11.77	119	603723	59.62	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	624492	53.73	ug/l	99
85) sec-Butylbenzene	11.94	105	728985	59.10	ug/l	100
86) p-Isopropyltoluene	12.07	119	663267	59.35	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	348966	52.31	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	356548	51.78	ug/l	99
89) n-Butylbenzene	12.39	91	604667	59.58	ug/l	100
90) Hexachloroethane	12.60	117	104301	56.06	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	351096	50.36	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	57935	52.70	ug/l	99

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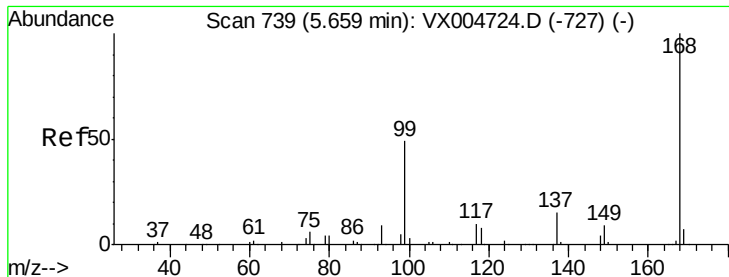
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	277538	56.75	ug/l	99
94) Hexachlorobutadiene	13.79	225	142085	56.03	ug/l	99
95) Naphthalene	13.83	128	831678	51.22	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	277271	54.89	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 258162

Ion Ratio Lower Upper

168 100

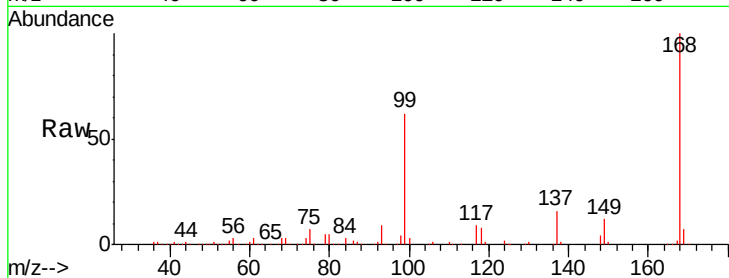
99 62.0 39.3 58.9#

Manual Integrations

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10/12/2018 11:44:59 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

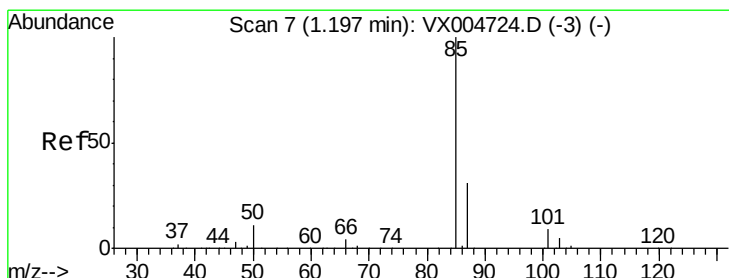
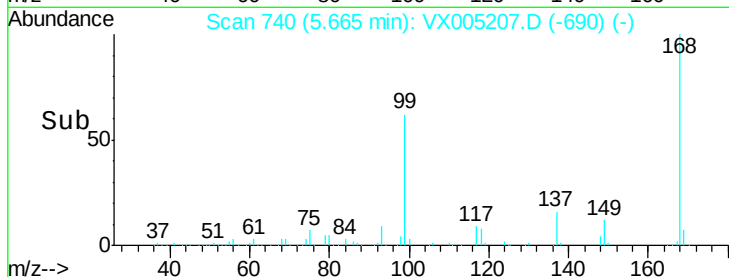
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 53.05 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005207.D

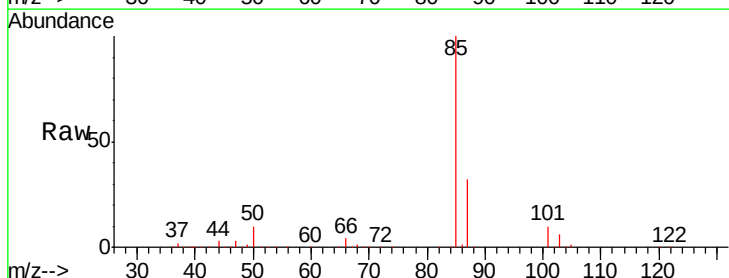
Acq: 10 Oct 2018 15:33

Tgt Ion: 85 Resp: 186729

Ion Ratio Lower Upper

85 100

87 32.3 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200000

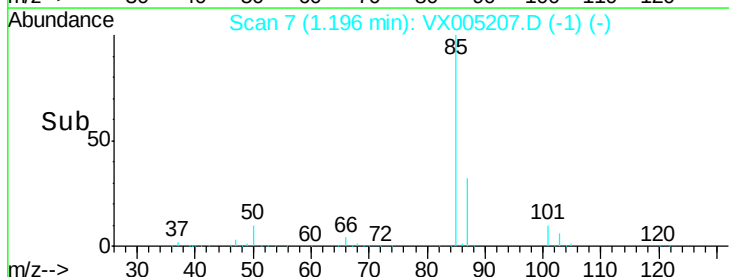
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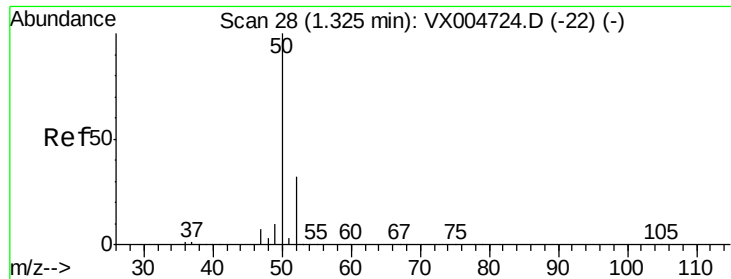
100000

50000

0

Time-->





#3

Chloromethane

Concen: 45.34 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 193625

Ion Ratio Lower Upper

50 100

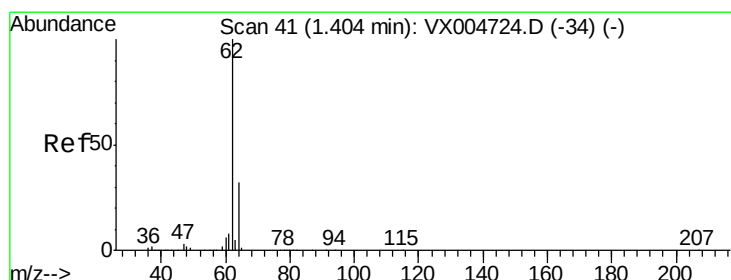
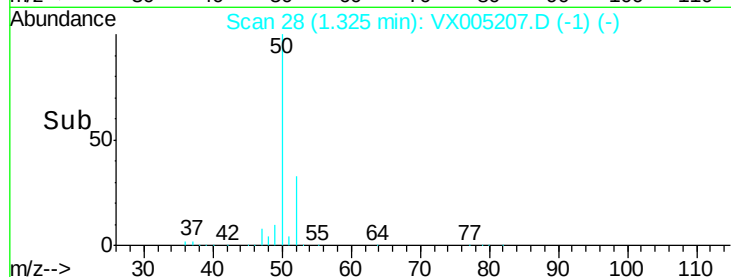
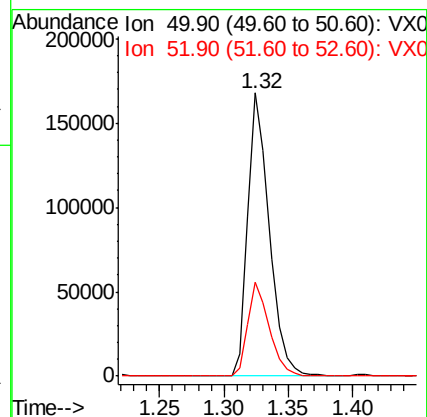
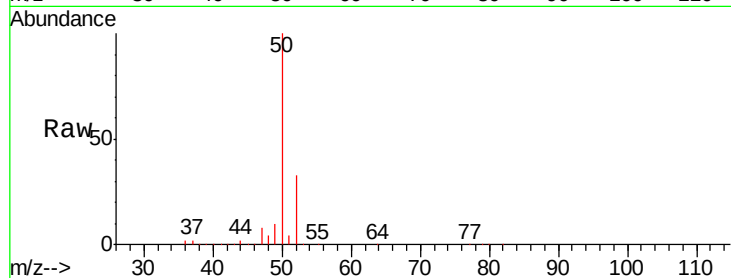
52 33.0 25.8 38.6

Manual Integrations

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10/12/2018 11:44:59 AM



#4

Vinyl Chloride

Concen: 47.25 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005207.D

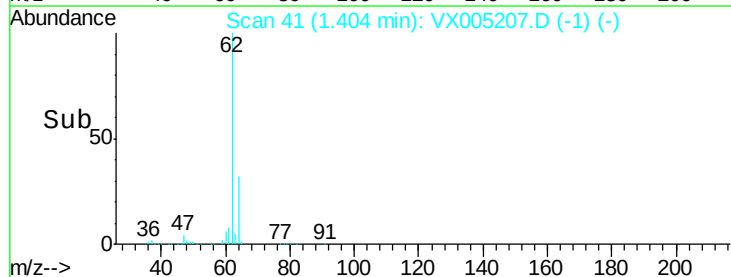
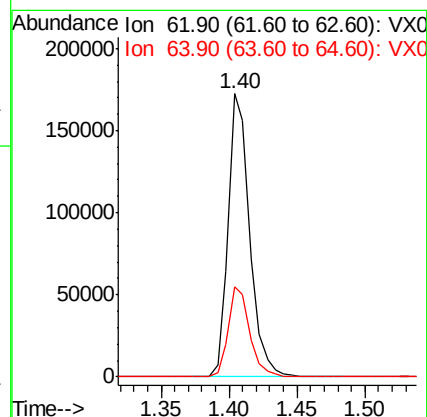
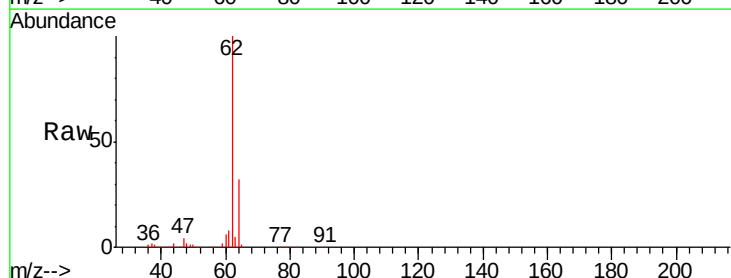
Acq: 10 Oct 2018 15:33

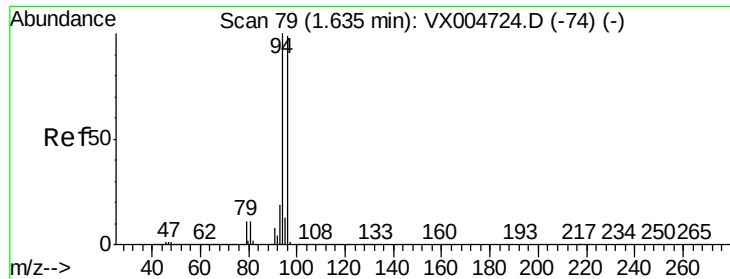
Tgt Ion: 62 Resp: 189268

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 48.57 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 115352

Ion Ratio Lower Upper

94 100

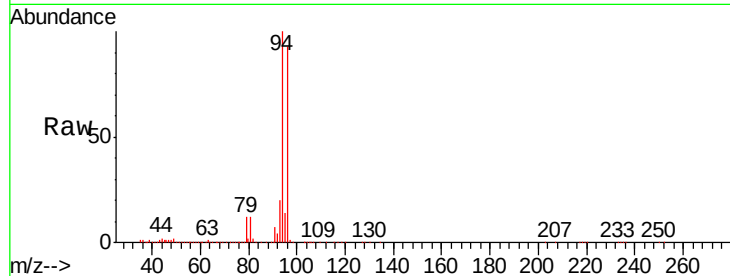
96 92.8 79.5 119.3

Manual Integrations

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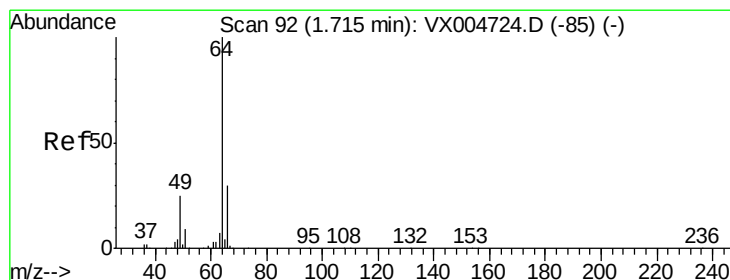
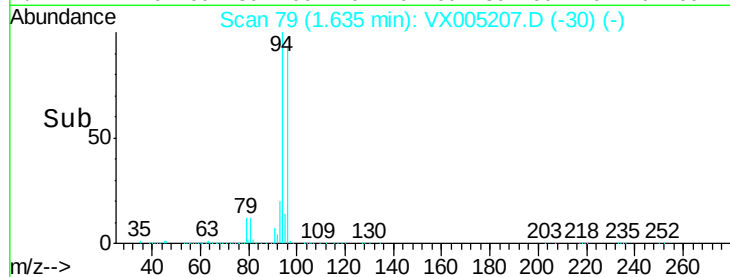
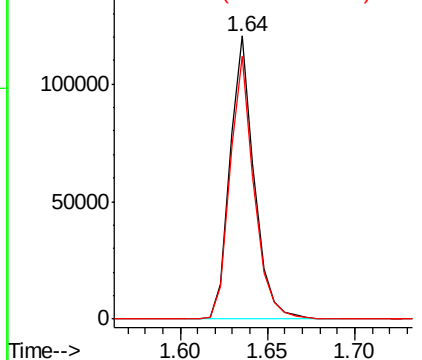
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 49.91 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX005207.D

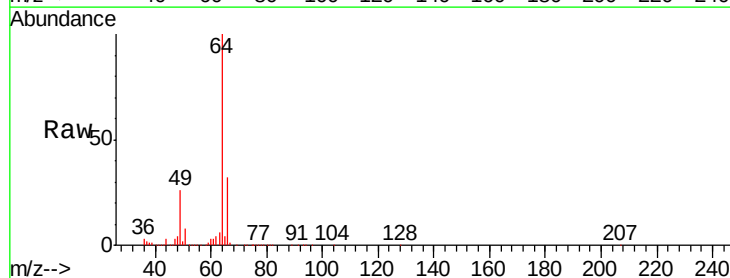
Acq: 10 Oct 2018 15:33

Tgt Ion: 64 Resp: 108957

Ion Ratio Lower Upper

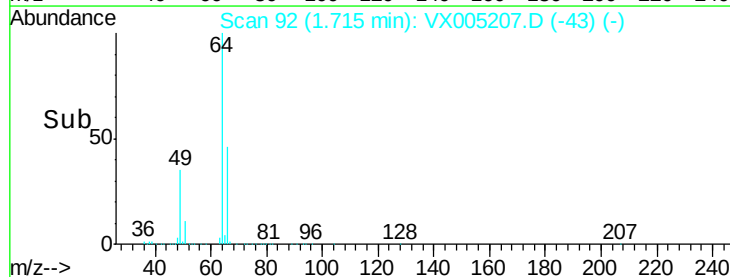
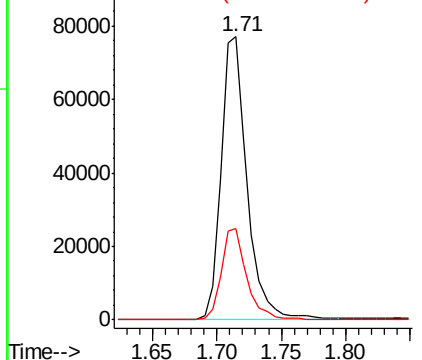
64 100

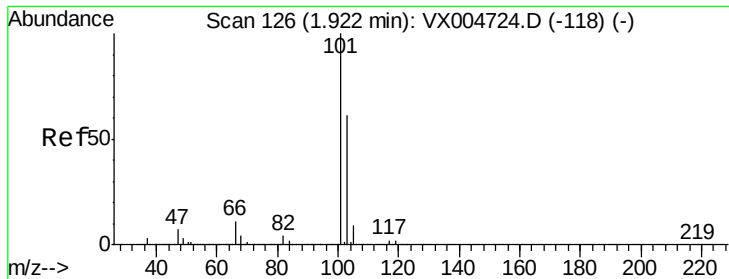
66 32.3 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

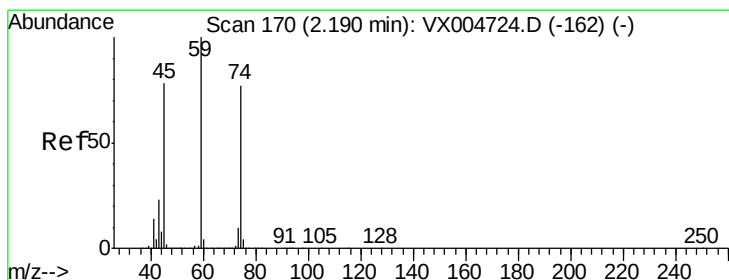
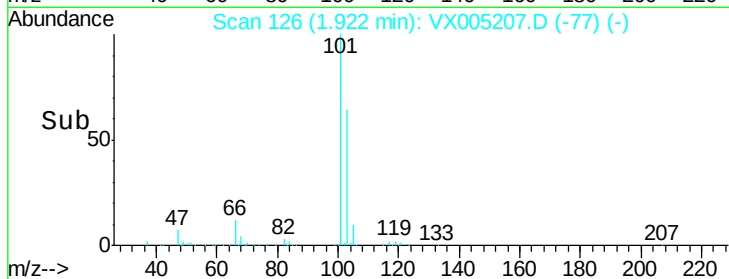
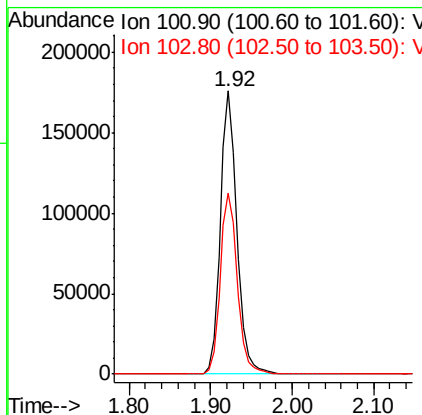
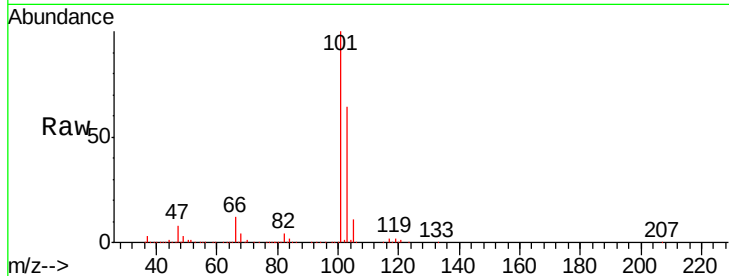
Trichlorofluoromethane
 Concen: 50.46 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX005207.D
 Acq: 10 Oct 2018 15:33

Instrument :
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 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.8	48.4	72.6

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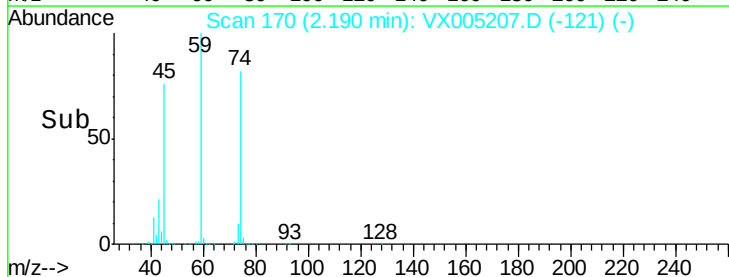
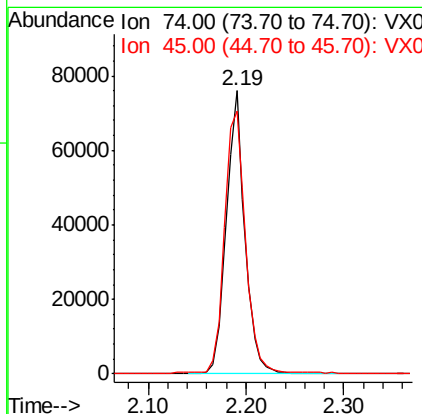
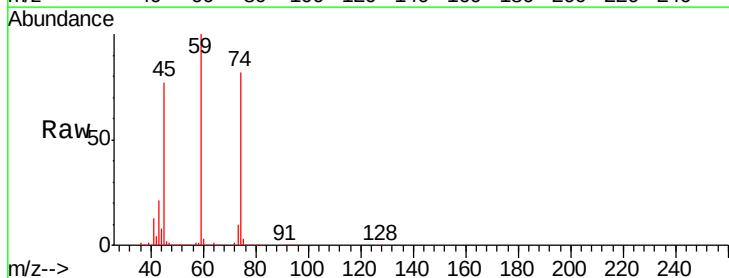
MMDadoda
 10/12/2018 11:44:59 AM

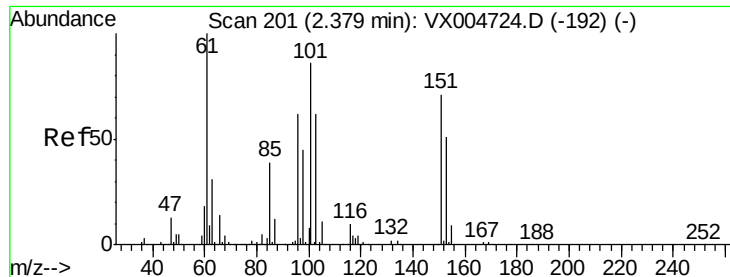


#8

Diethyl Ether
 Concen: 46.46 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX005207.D
 Acq: 10 Oct 2018 15:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.7	52.5	157.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.72 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

Instrument :

MSVOA_X

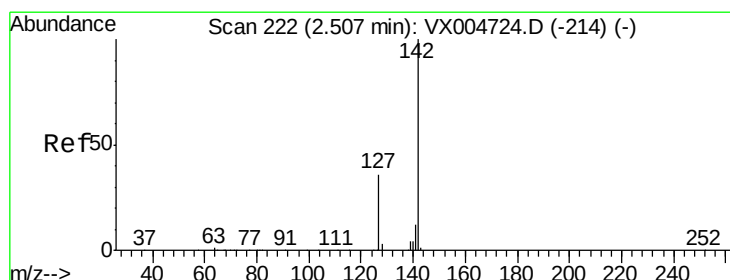
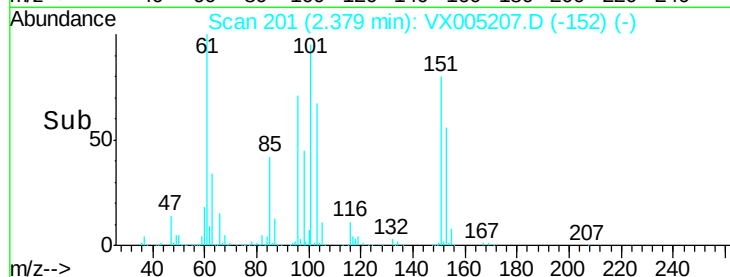
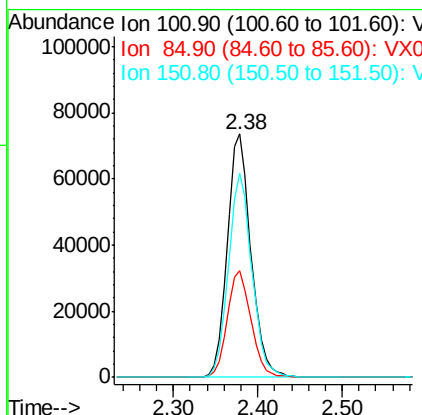
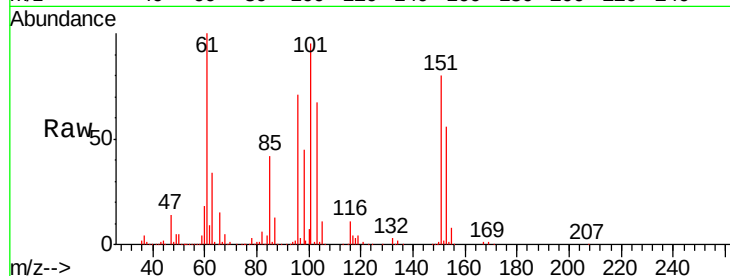
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	140451
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.9	53.9
151	83.3	66.6	100.0

Manual Integrations
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10/12/2018 11:44:59 AM



#10

Methyl Iodide

Concen: 42.68 ug/l

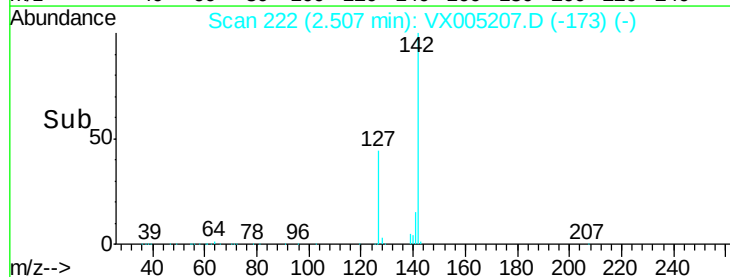
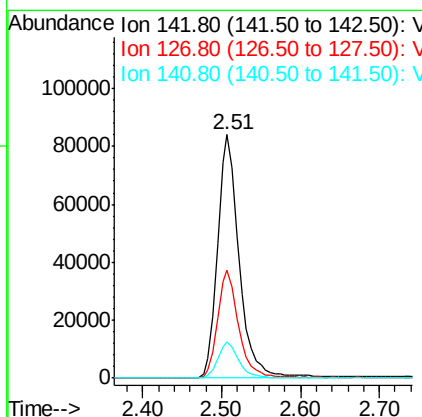
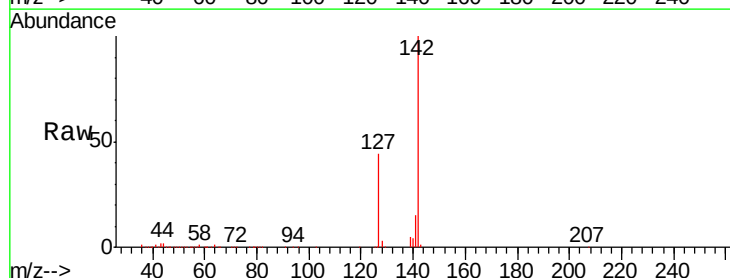
RT: 2.51 min Scan# 222

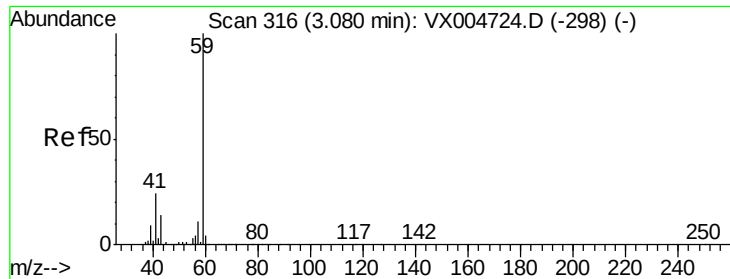
Delta R.T. 0.00 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

Tgt Ion:	142	Resp:	161320
Ion Ratio	Lower	Upper	
142	100		
127	43.1	30.1	45.1
141	14.3	10.1	15.1





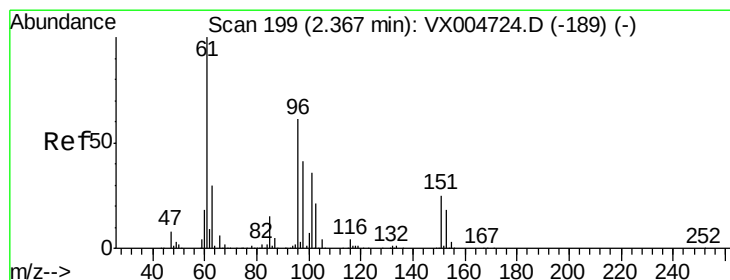
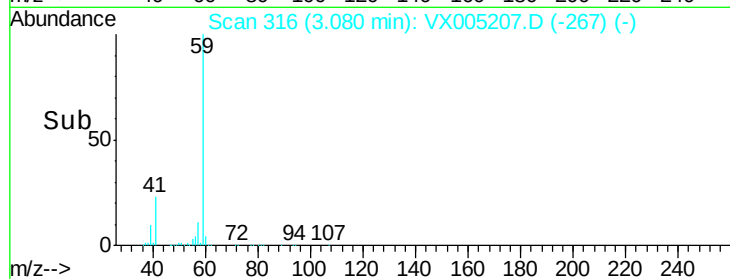
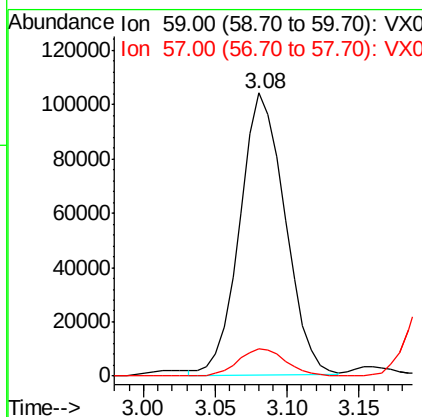
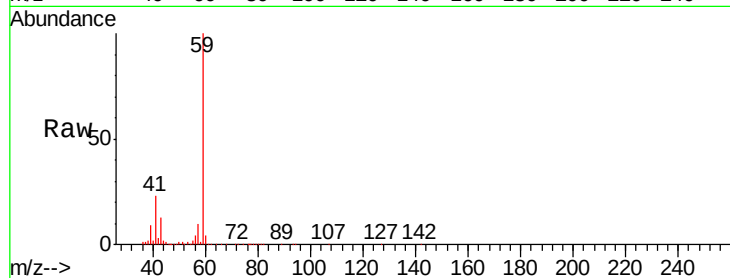
#11
Tert butyl alcohol
Concen: 220.46 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.6	12.8

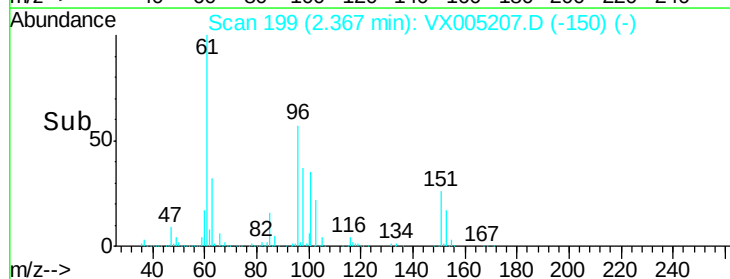
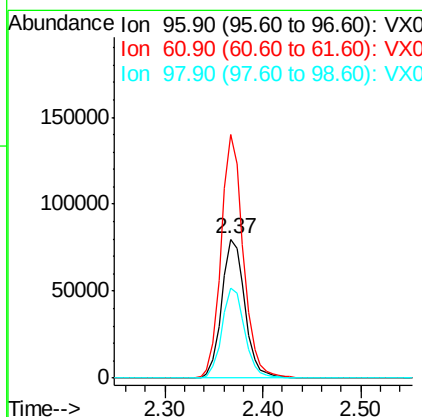
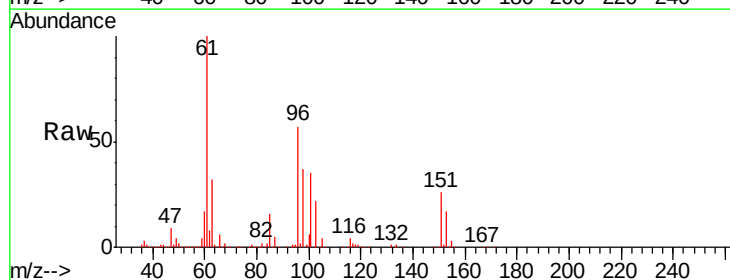
Manual Integrations
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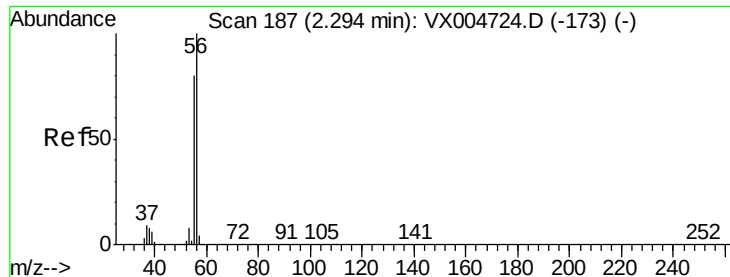
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#12
1,1-Dichloroethene
Concen: 47.16 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.5	130.2	195.4
98	64.8	53.4	80.0





#13

Acrolein

Concen: 166.07 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 121841

Ion Ratio Lower Upper

56 100

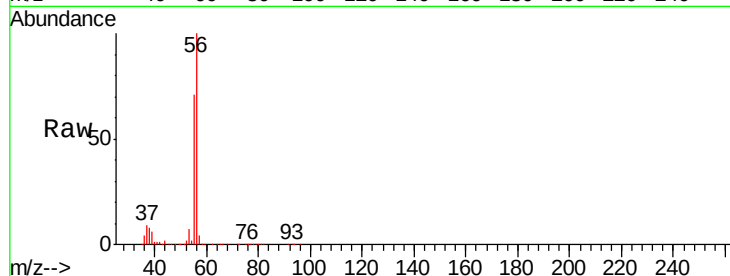
55 71.9 63.4 95.2

Manual Integrations

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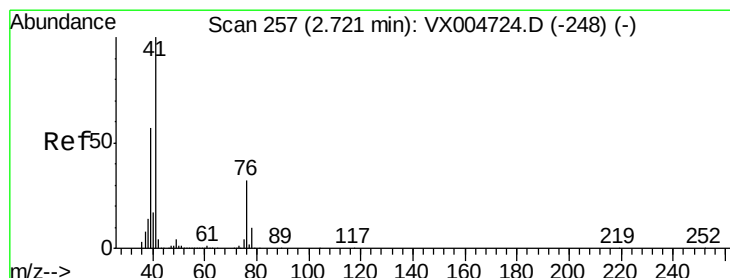
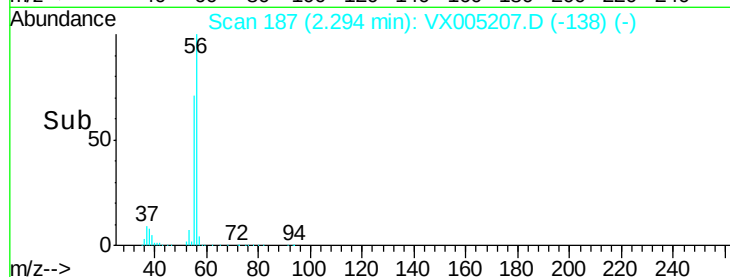
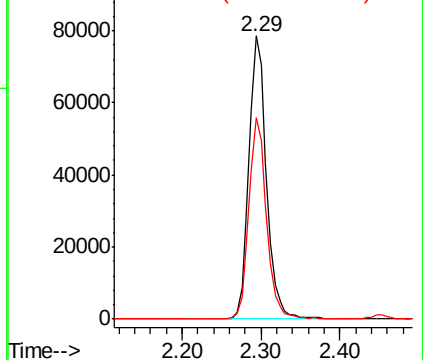
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 48.01 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

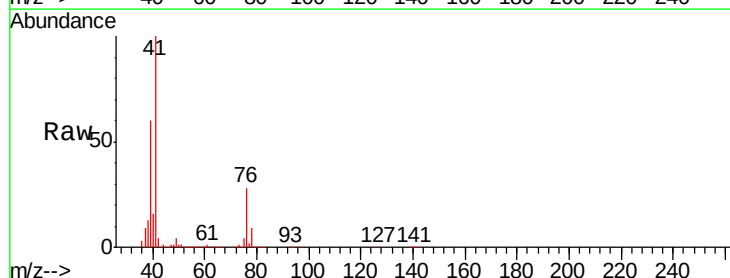
Tgt Ion: 41 Resp: 293023

Ion Ratio Lower Upper

41 100

39 60.4 44.1 66.1

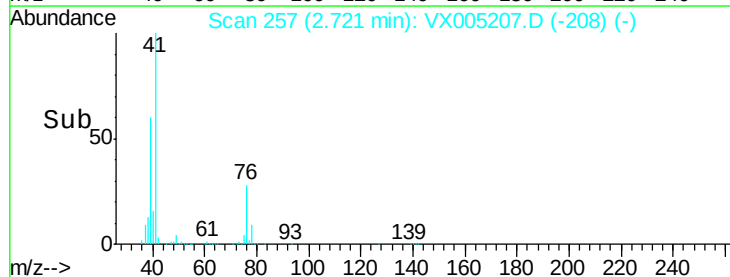
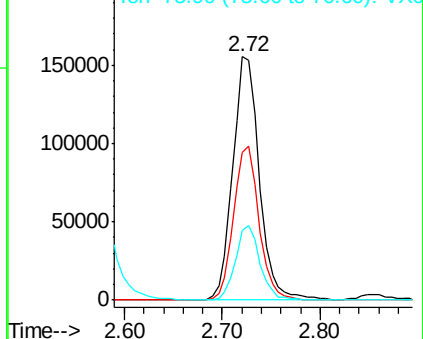
76 28.4 25.0 37.4

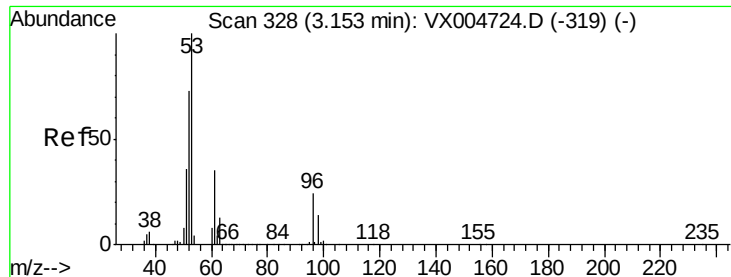


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 228.65 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

Instrument :

MSVOA_X

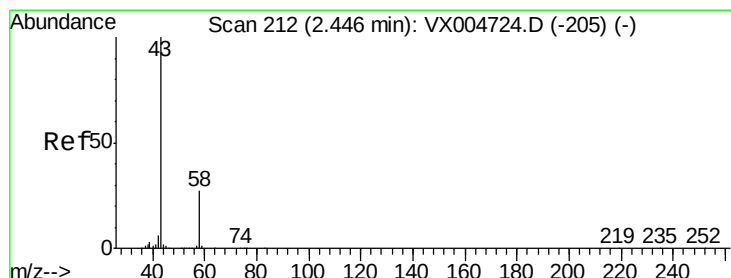
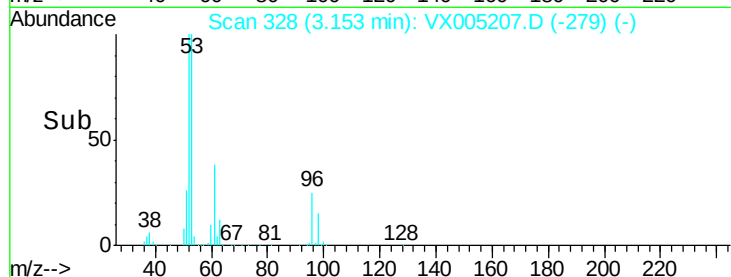
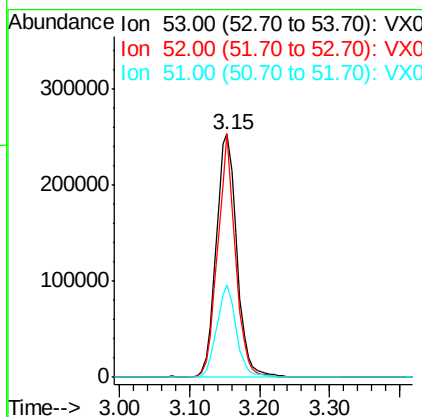
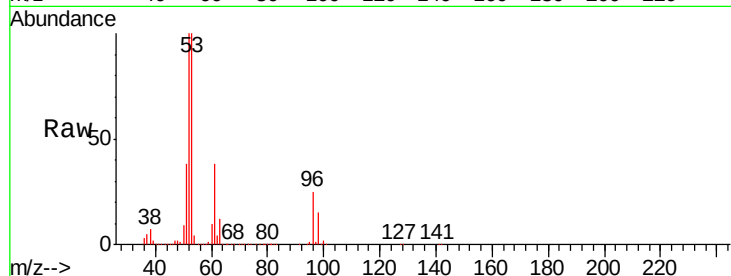
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	519033
Ion	Ratio	Lower	Upper
53	100		
52	85.2	63.0	94.4
51	36.0	28.6	42.8

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#16

Acetone

Concen: 245.31 ug/l

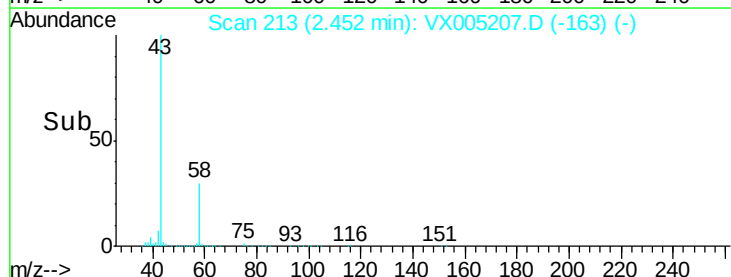
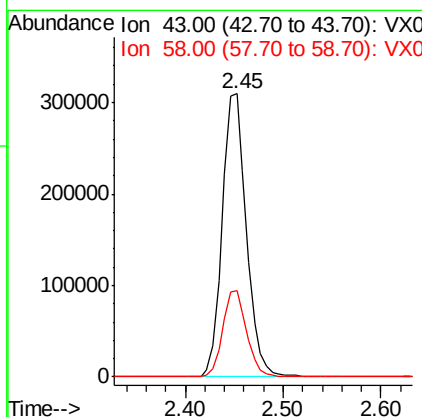
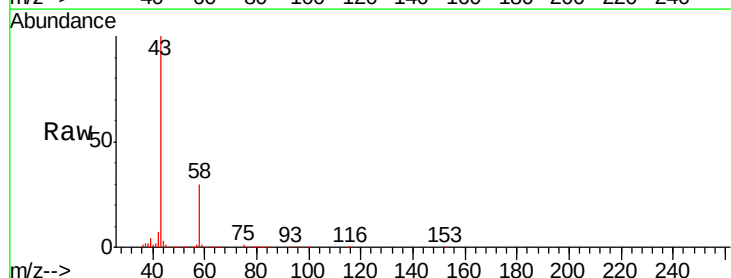
RT: 2.45 min Scan# 213

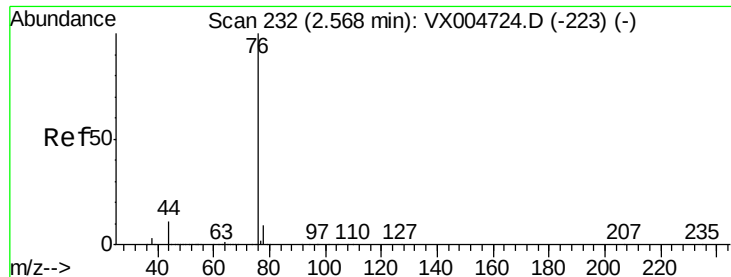
Delta R.T. 0.01 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

Tgt Ion:	43	Resp:	528170
Ion	Ratio	Lower	Upper
43	100		
58	30.3	21.8	32.6





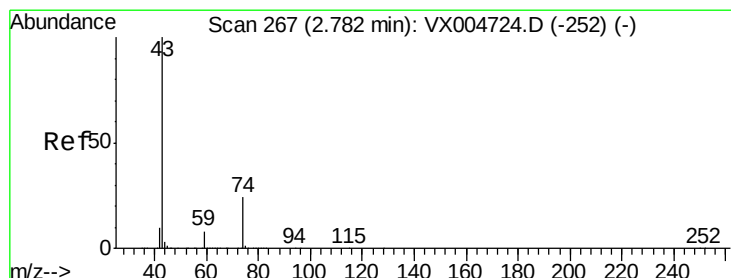
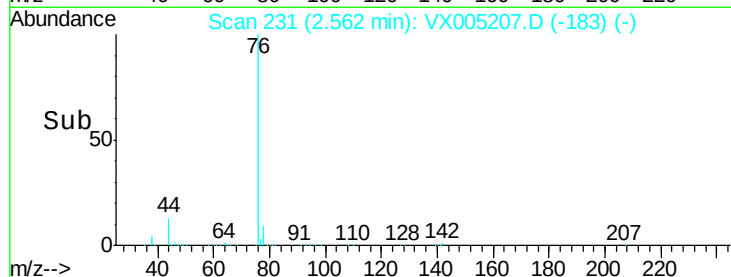
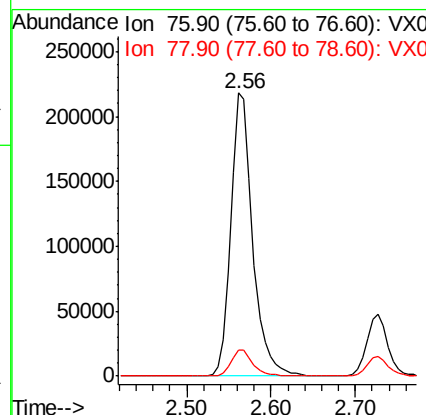
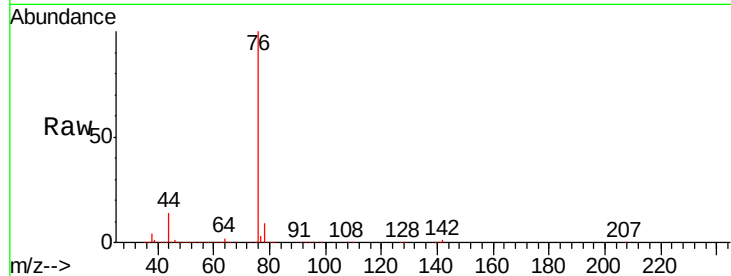
#17
Carbon Disulfide
Concen: 46.07 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

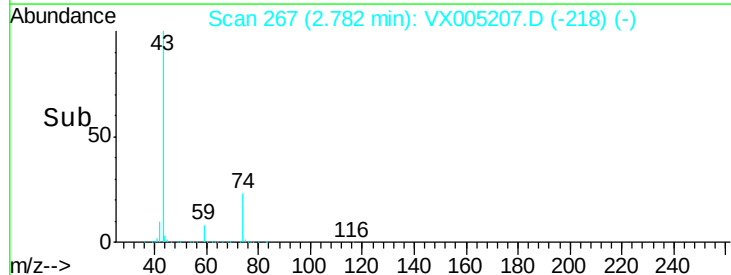
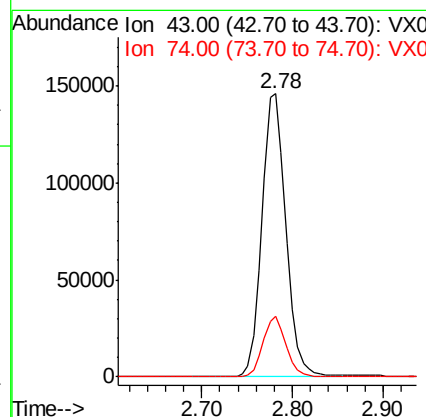
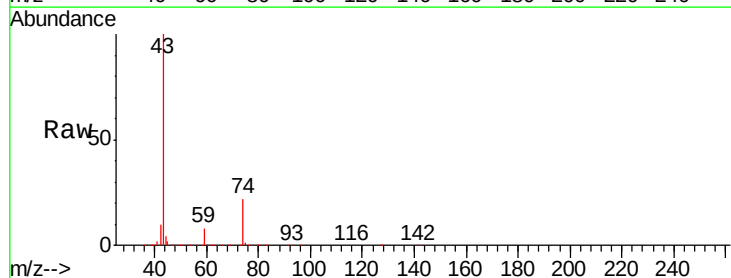
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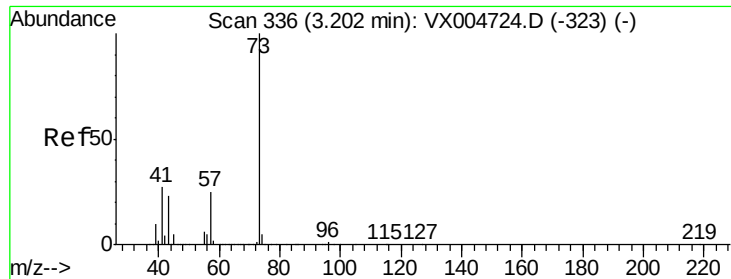
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#18
Methyl Acetate
Concen: 48.76 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.9	17.8	26.8





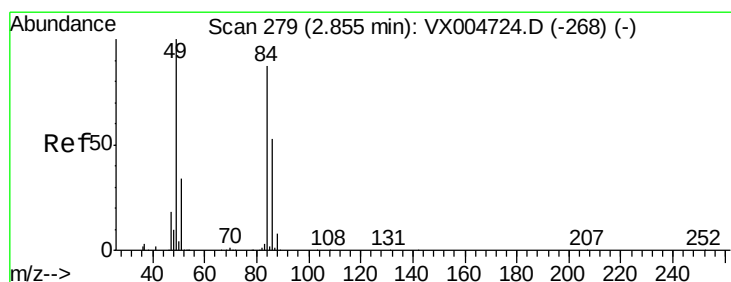
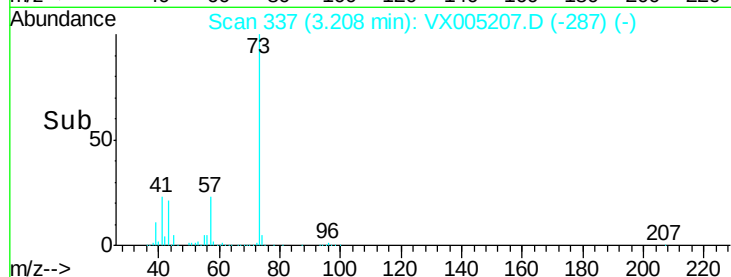
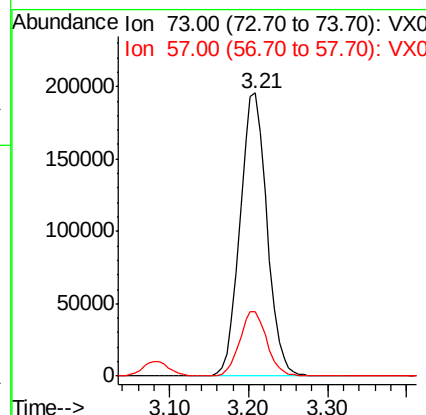
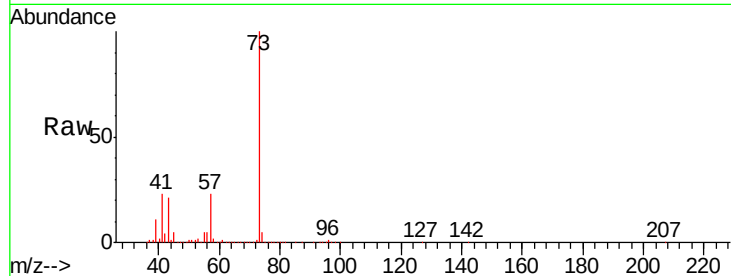
#19
Methyl tert-butyl Ether
Concen: 48.17 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.8	19.9	29.9

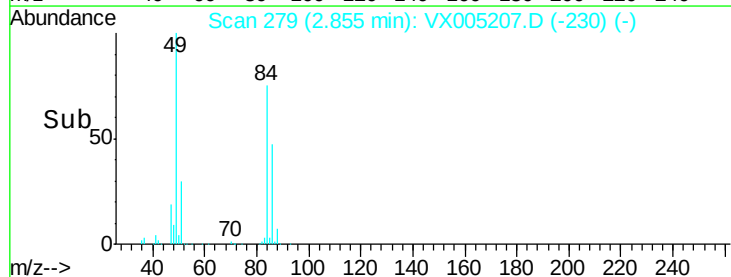
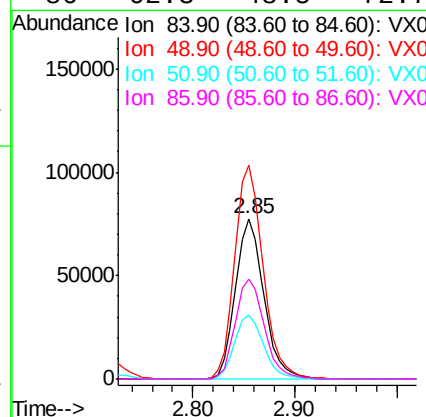
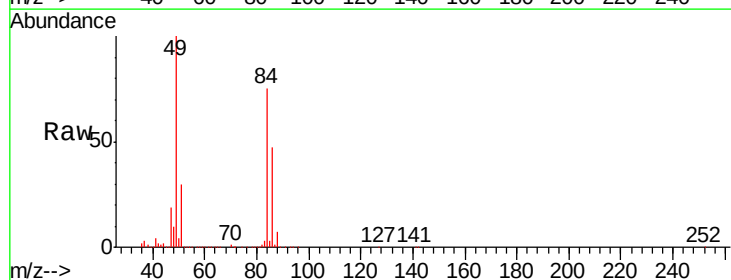
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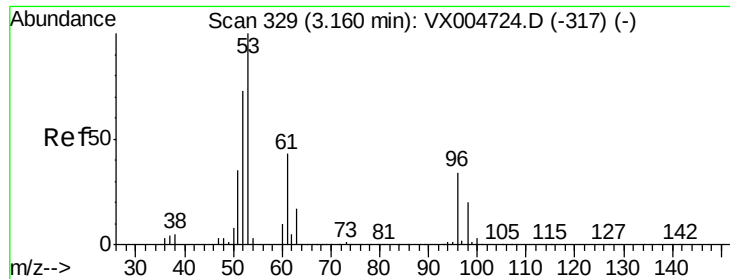
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#20
Methylene Chloride
Concen: 47.46 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.3	92.3	138.5
51	39.9	31.8	47.6
86	62.3	48.5	72.7





#21

trans-1,2-Dichloroethene

Concen: 45.36 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 138889

Ion Ratio Lower Upper

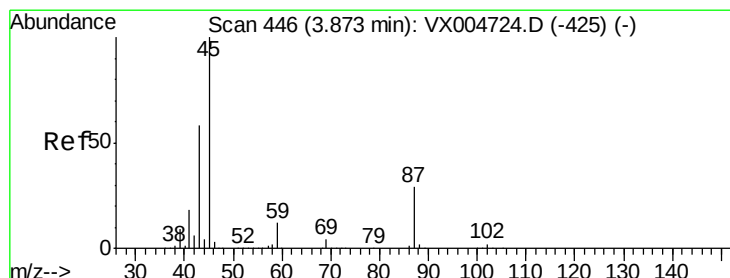
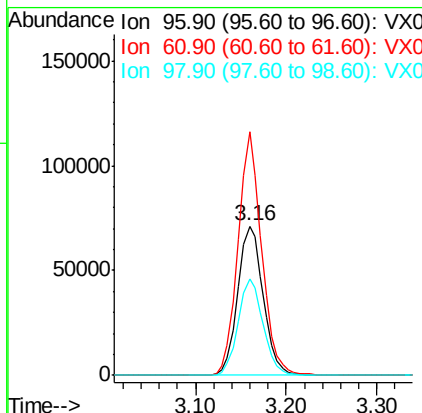
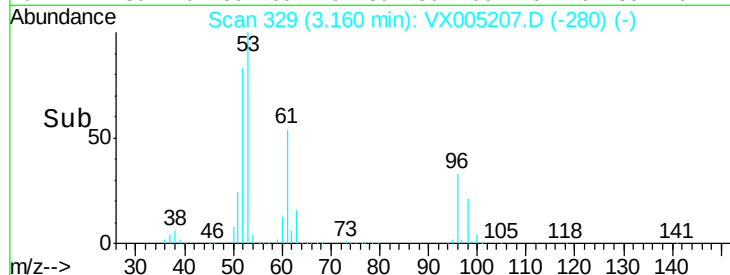
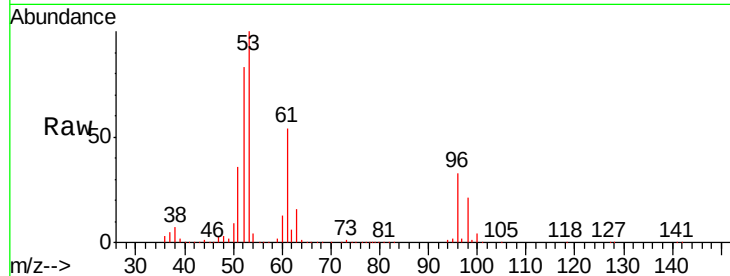
96 100

61 162.6 101.0 151.6#

98 64.3 47.2 70.8

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#22

Diisopropyl ether

Concen: 45.85 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

Tgt Ion: 45 Resp: 471219

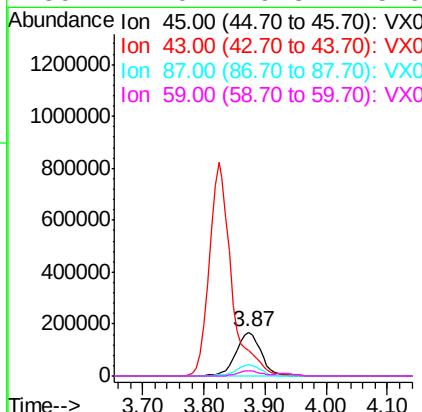
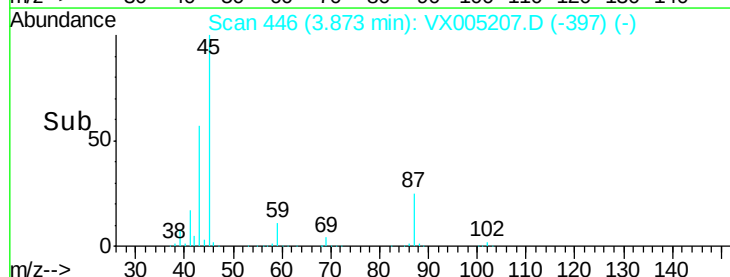
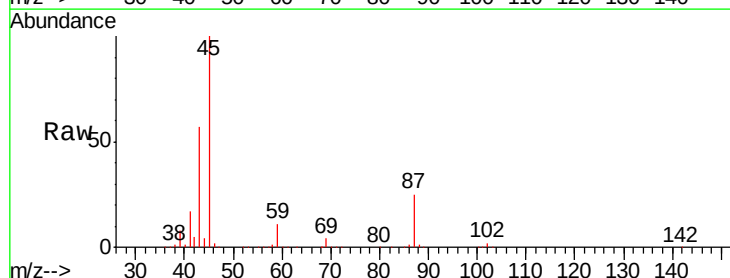
Ion Ratio Lower Upper

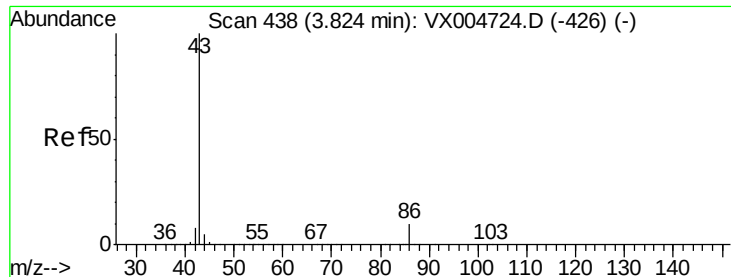
45 100

43 57.2 46.7 70.1

87 25.4 22.9 34.3

59 11.0 9.3 13.9





#23

Vinyl Acetate

Concen: 224.49 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 2111931

Ion Ratio Lower Upper

43 100

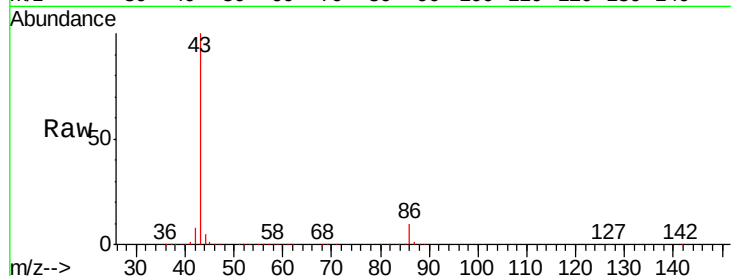
86 10.2 8.1 12.1

Manual Integrations

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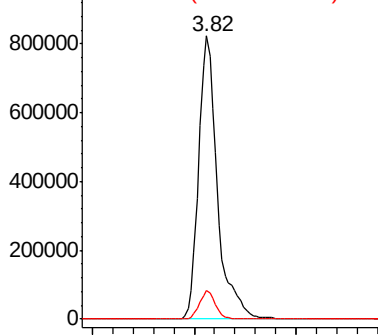
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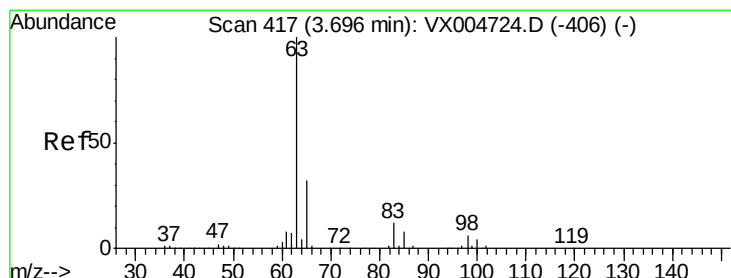
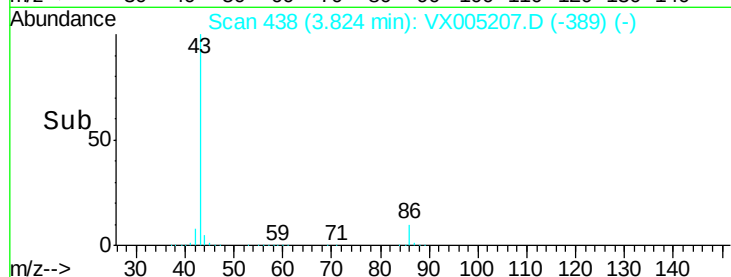


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 44.16 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

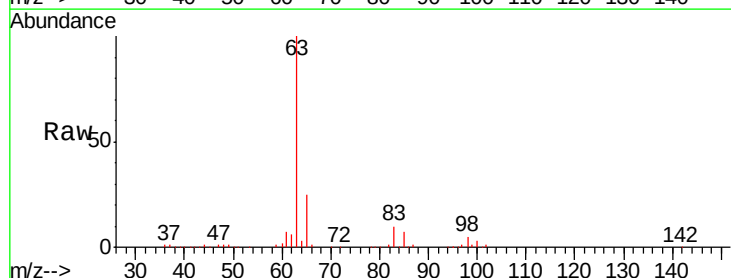
Tgt Ion: 63 Resp: 270726

Ion Ratio Lower Upper

63 100

98 5.2 3.0 9.2

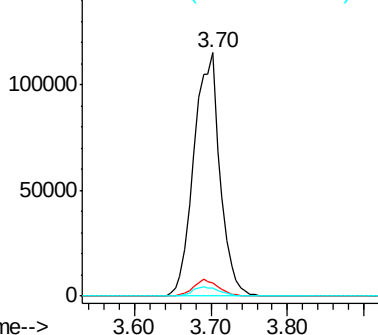
100 3.2 2.0 5.8



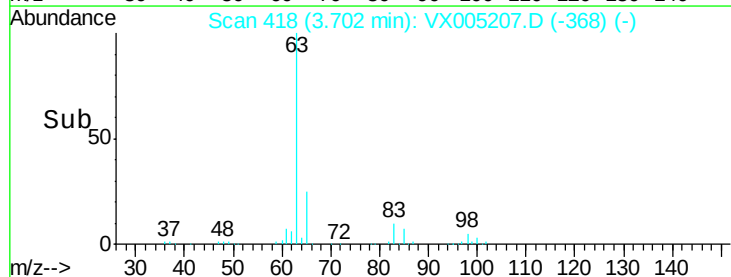
Abundance Ion 62.90 (62.60 to 63.60): VX0

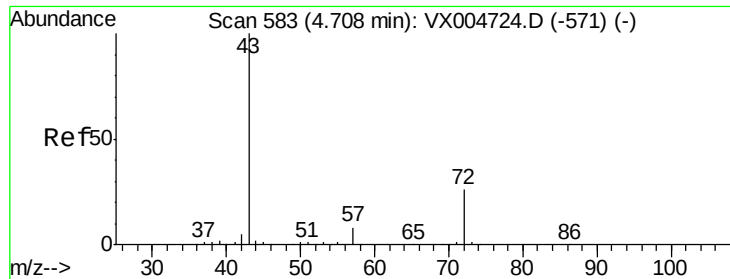
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->





#25

2-Butanone

Concen: 231.08 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 733370

Ion Ratio Lower Upper

43 100

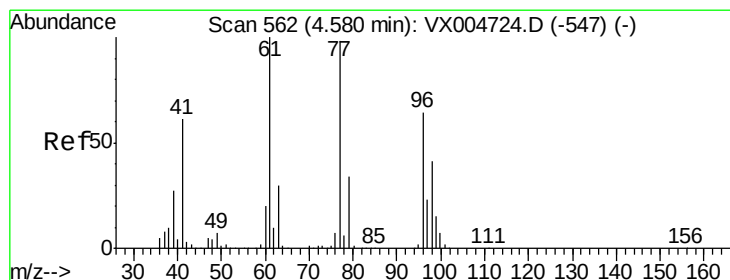
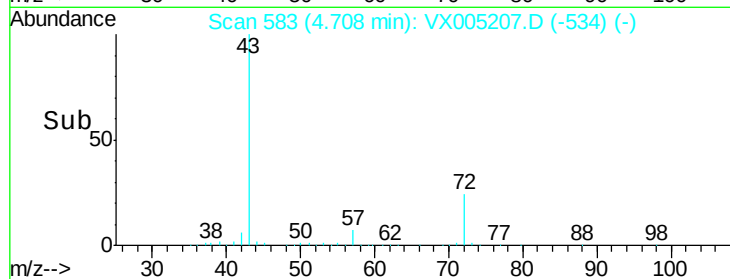
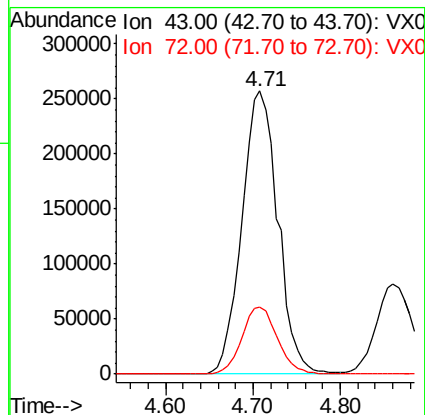
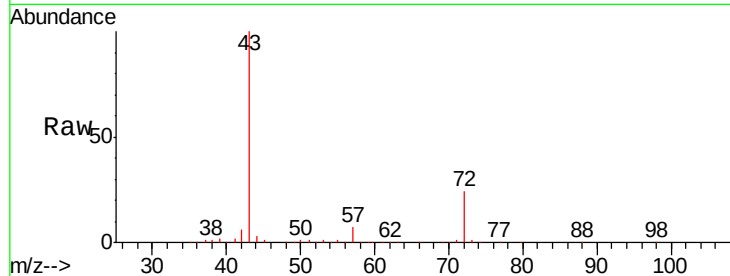
72 23.8 20.8 31.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.32 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX005207.D

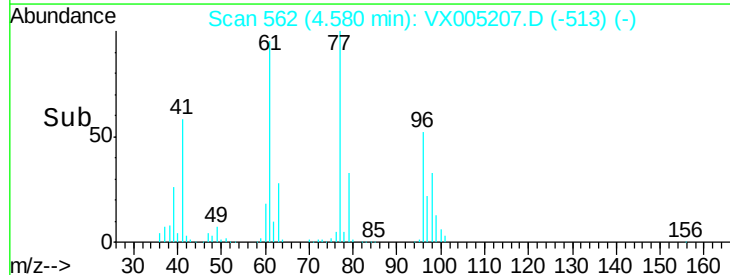
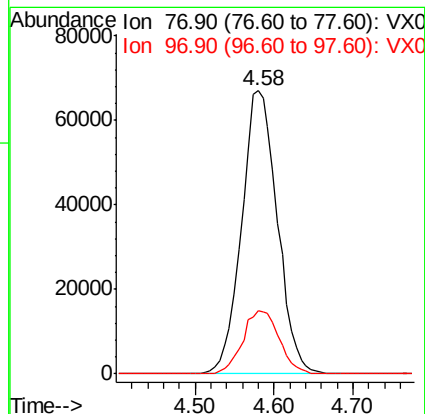
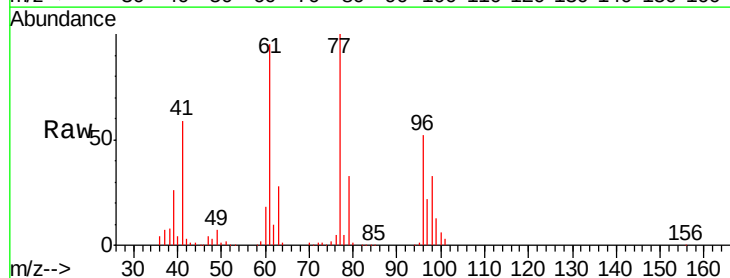
Acq: 10 Oct 2018 15:33

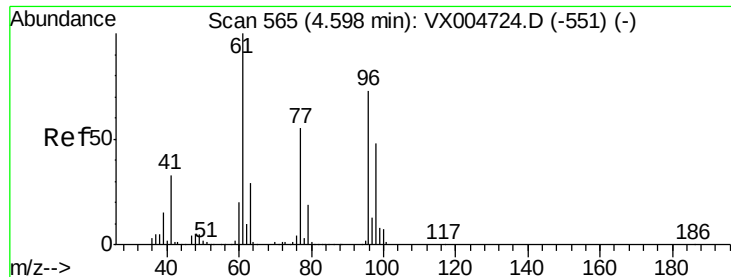
Tgt Ion: 77 Resp: 210562

Ion Ratio Lower Upper

77 100

97 22.9 12.6 37.8





#27

cis-1,2-Dichloroethene

Concen: 42.82 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

Instrument :

MSVOA_X

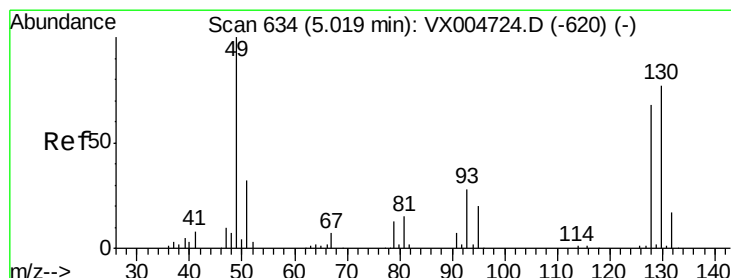
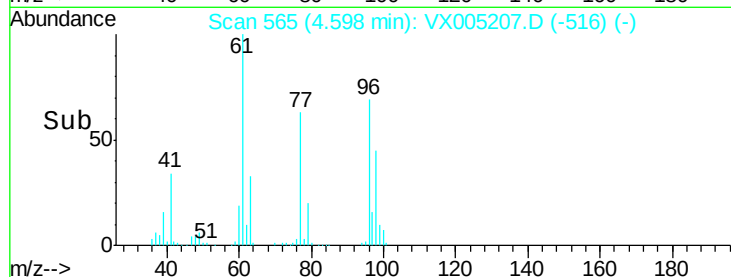
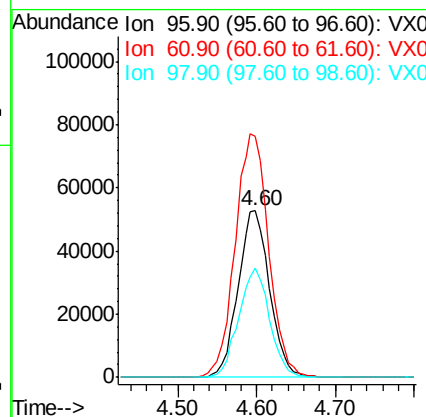
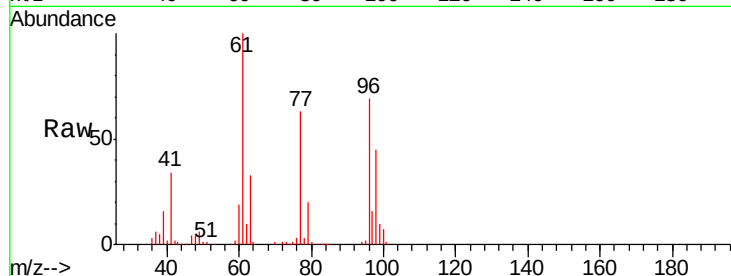
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	146492
Ion	Ratio	Lower	Upper
96	100		
61	154.9	0.0	285.8
98	64.4	0.0	136.2

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#28

Bromochloromethane

Concen: 35.47 ug/l

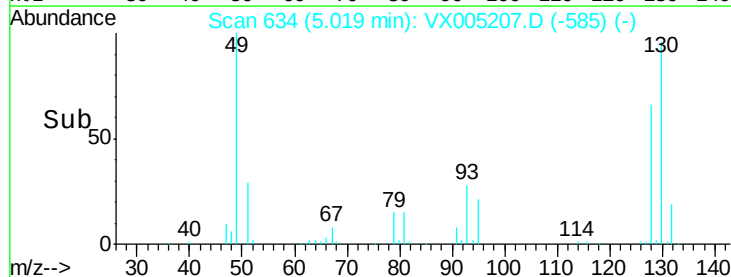
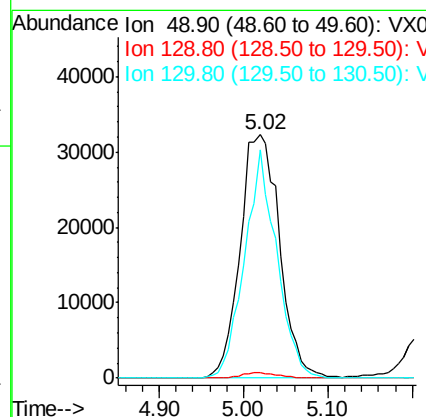
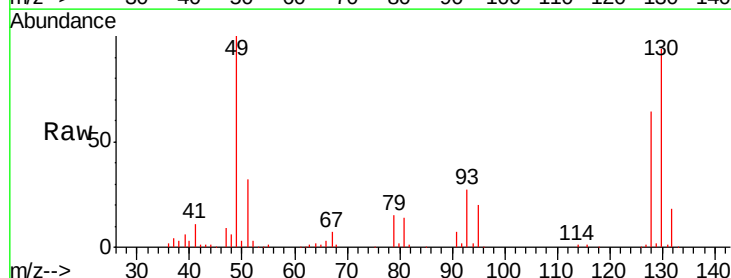
RT: 5.02 min Scan# 634

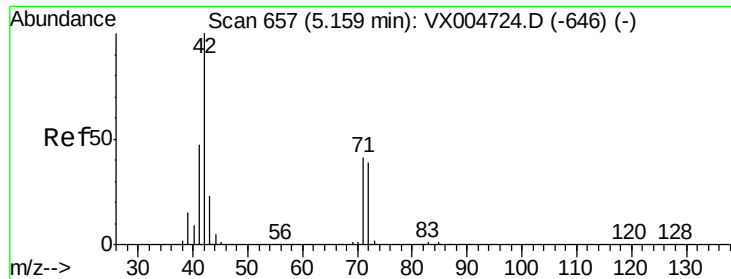
Delta R.T. -0.00 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

Tgt Ion:	49	Resp:	102414
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	76.2	62.0	93.0





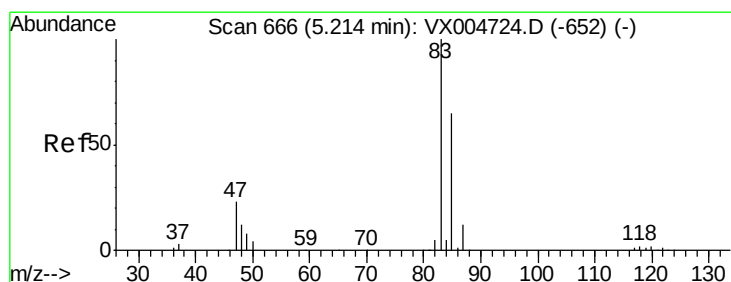
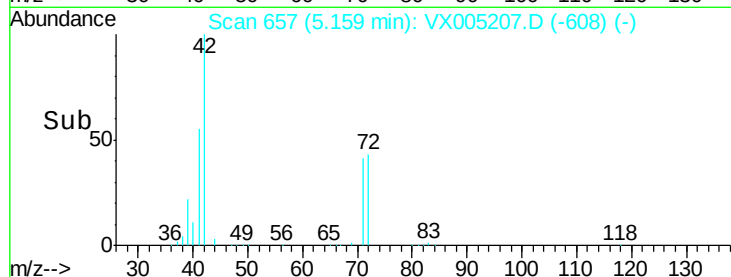
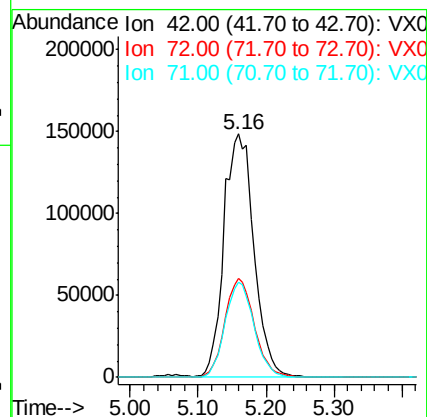
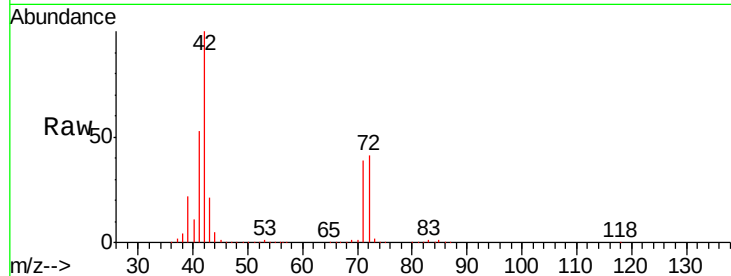
#29
Tetrahydrofuran
Concen: 230.14 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	39.8	33.7	50.5
71	37.8	32.2	48.4

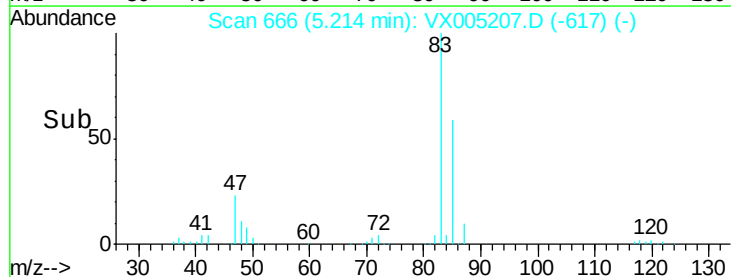
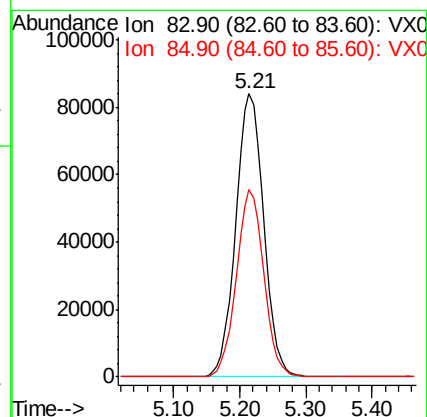
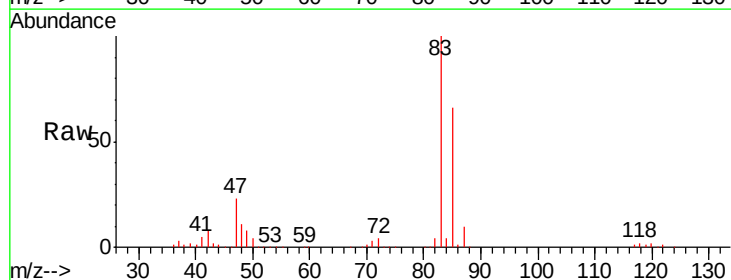
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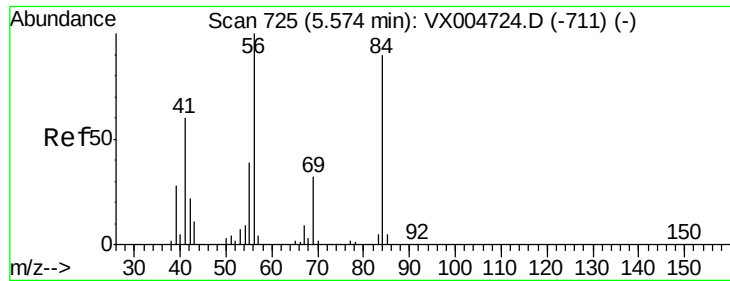
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#30
Chloroform
Concen: 42.56 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.4	78.6





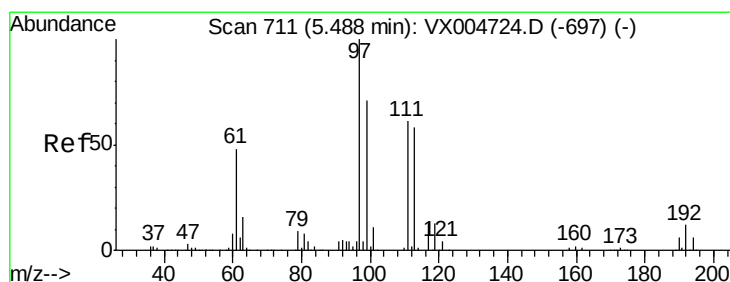
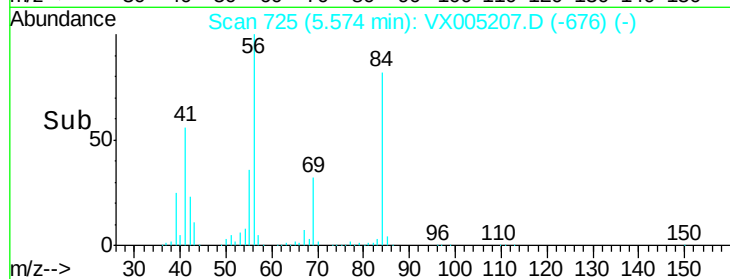
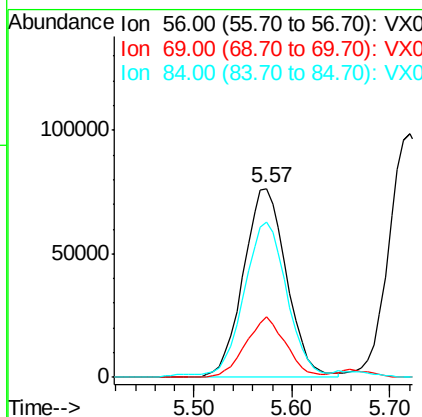
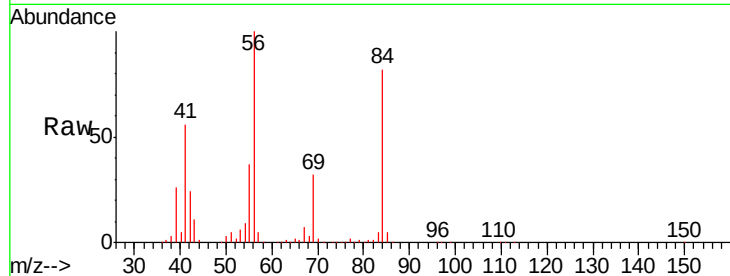
#31
Cyclohexane
Concen: 49.87 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.9	38.9
84	81.1	71.9	107.9

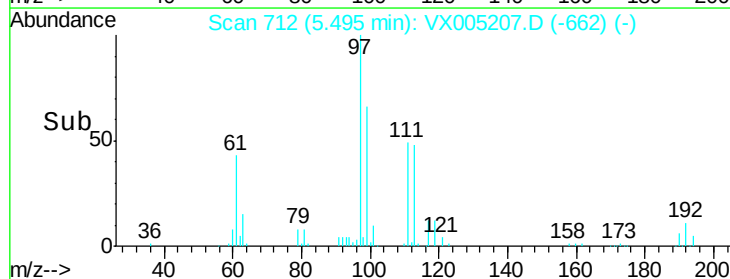
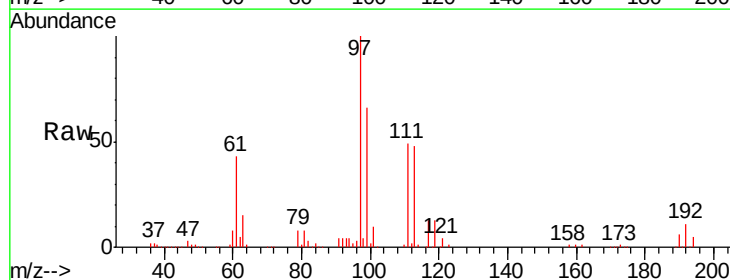
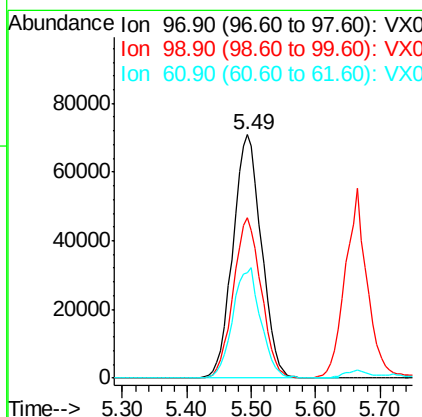
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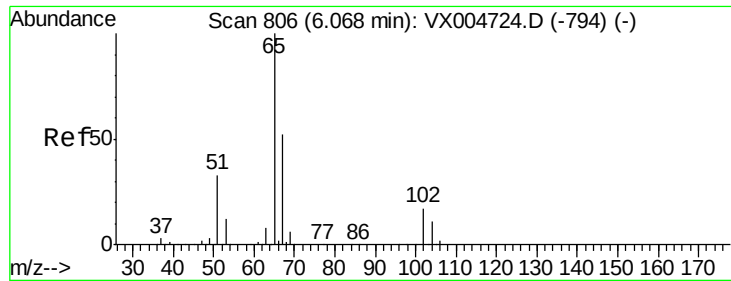
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#32
1,1,1-Trichloroethane
Concen: 46.01 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	54.6	82.0
61	44.7	37.5	56.3





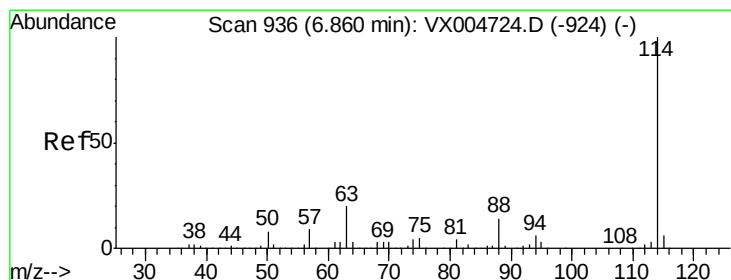
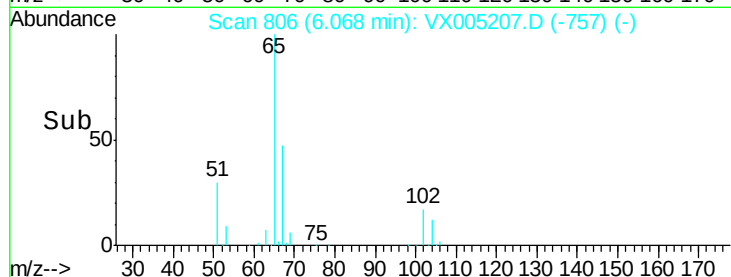
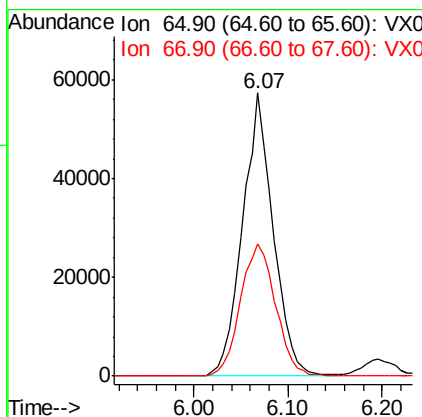
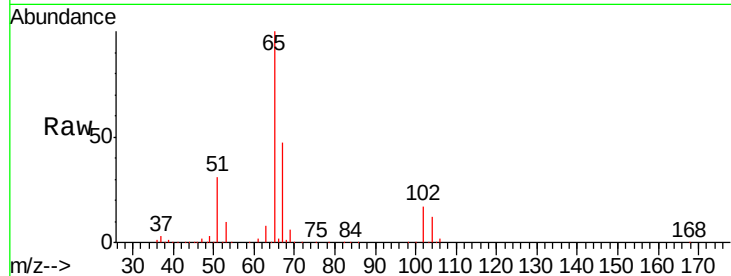
#33
 1,2-Dichloroethane-d4
 Concen: 35.45 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX005207.D
 Acq: 10 Oct 2018 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 130744
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 107.4

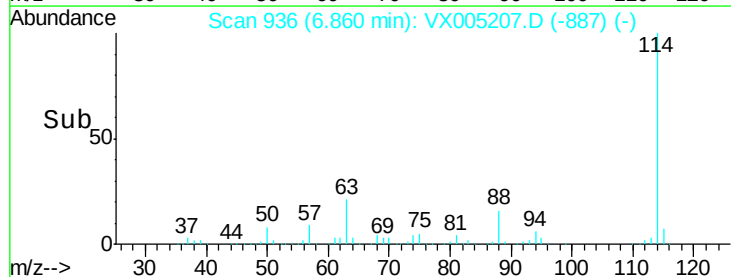
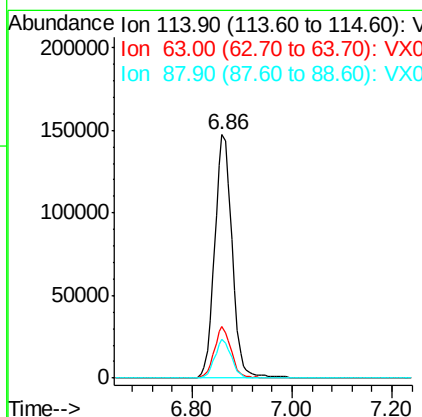
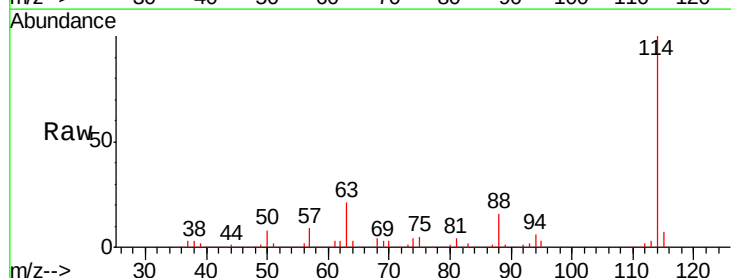
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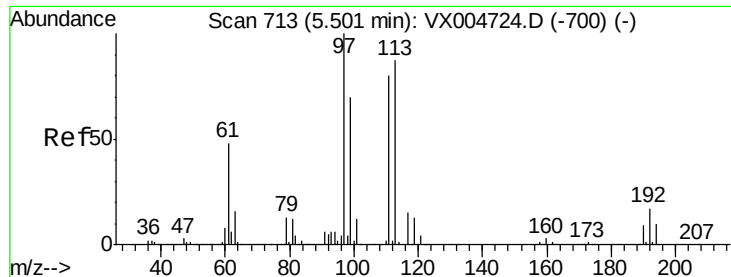
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005207.D
 Acq: 10 Oct 2018 15:33

Tgt Ion: 114 Resp: 358725
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 39.8
 88 16.1 0.0 27.0





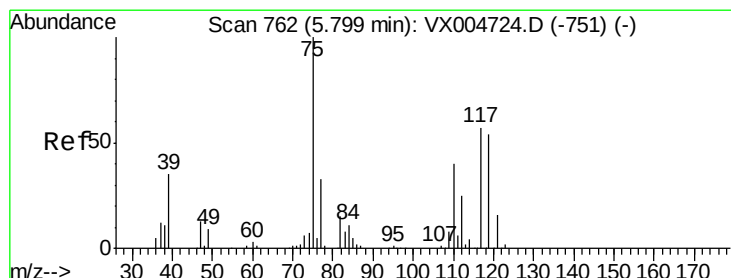
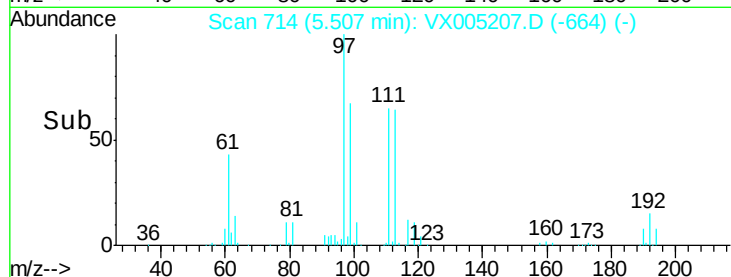
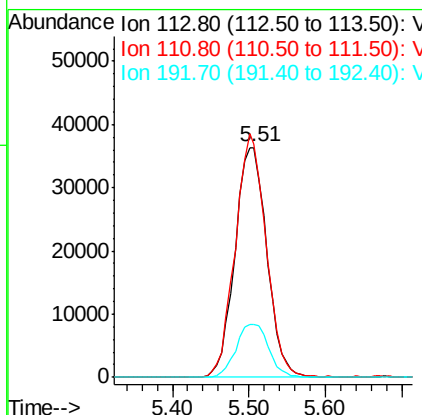
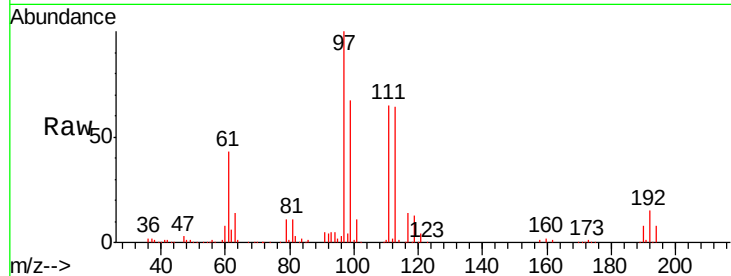
#35
Dibromofluoromethane
Concen: 34.69 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	77.0	115.4
192	23.7	17.0	25.6

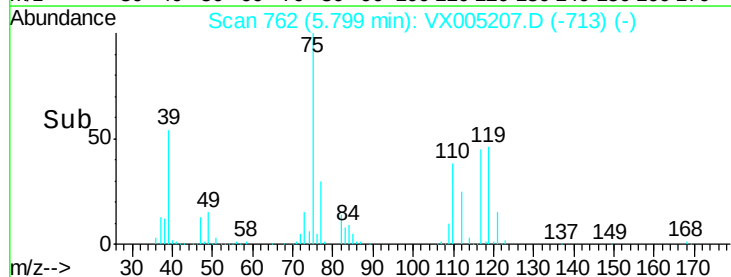
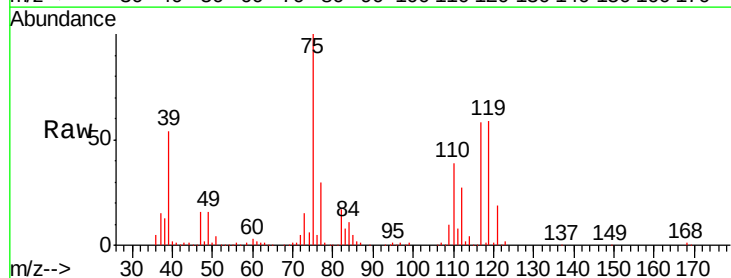
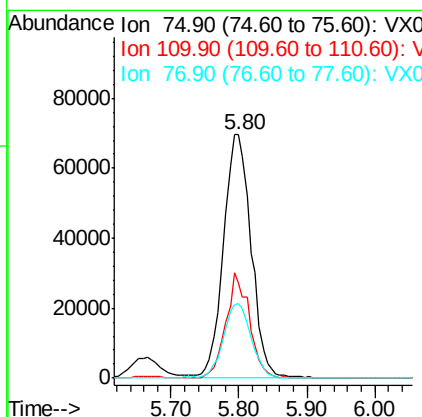
Manual Integrations
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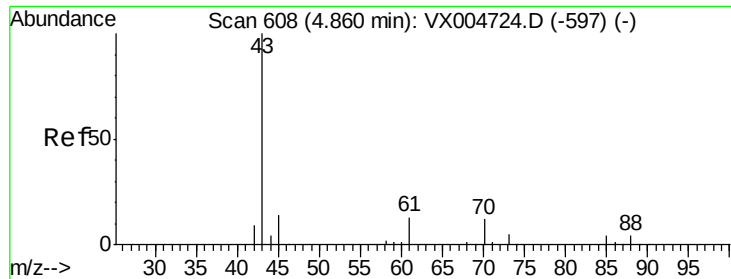
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#36
1,1-Dichloropropene
Concen: 47.00 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	20.0	59.9
77	30.7	27.1	40.7





#37

Ethyl Acetate

Concen: 43.83 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.00 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

Instrument :

MSVOA_X

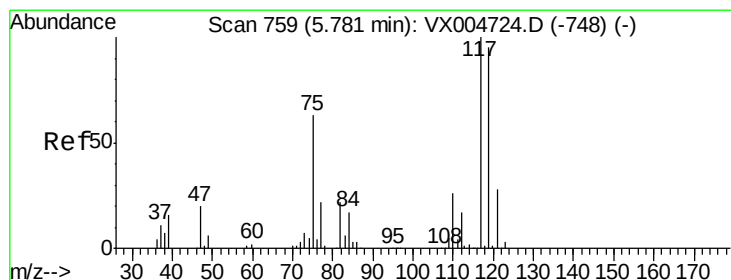
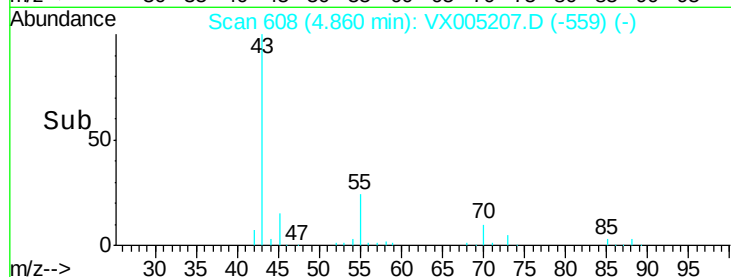
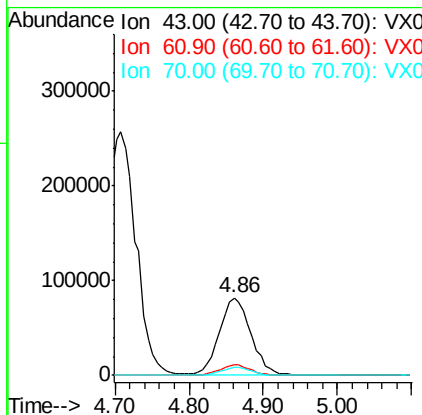
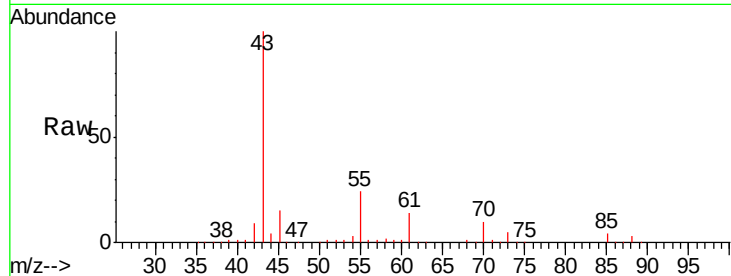
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	241324
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.4	15.6
70	10.1	8.7	13.1

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 45.46 ug/l

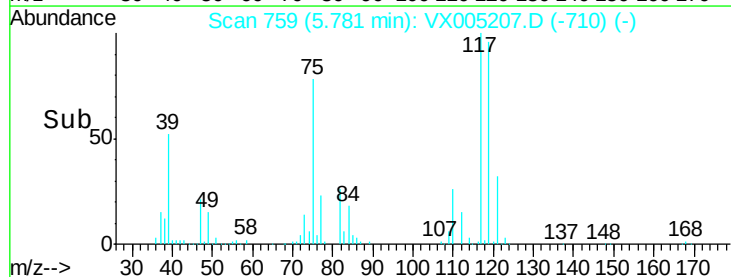
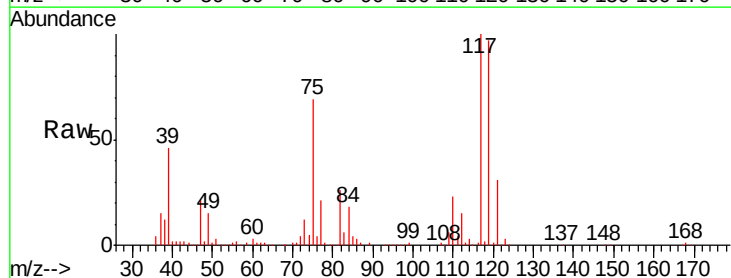
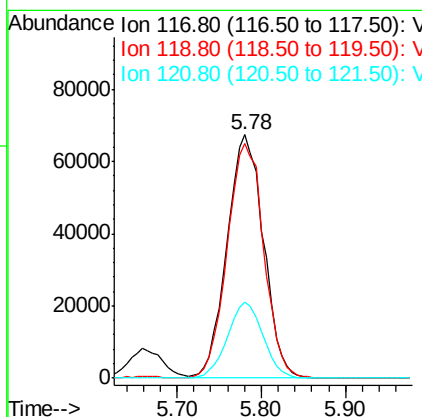
RT: 5.78 min Scan# 759

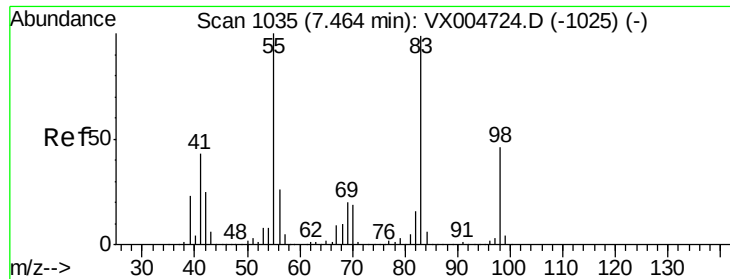
Delta R.T. 0.00 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

Tgt Ion:	117	Resp:	198233
Ion	Ratio	Lower	Upper
117	100		
119	96.6	75.2	112.8
121	31.2	22.5	33.7





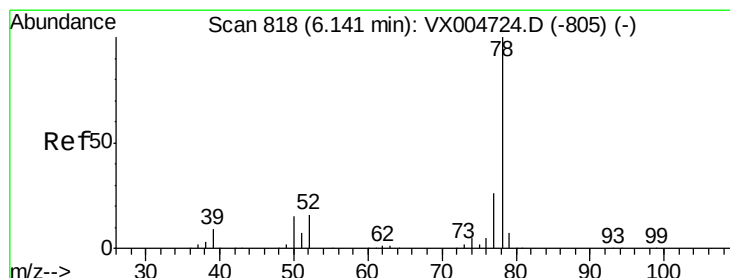
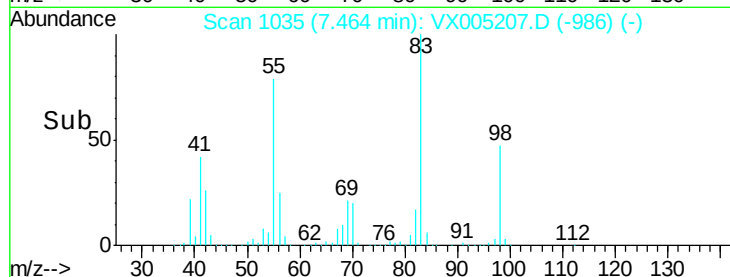
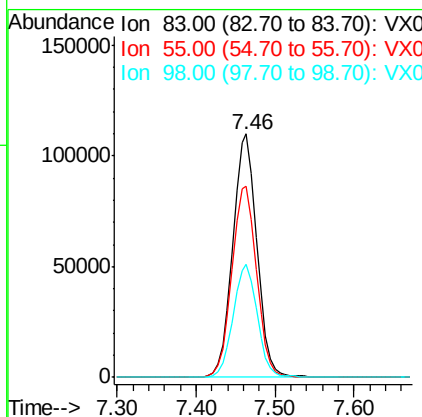
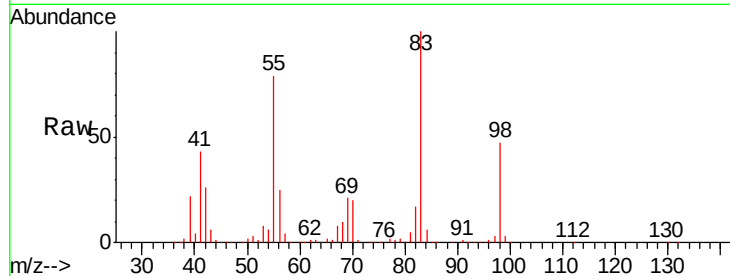
#39
Methylcyclohexane
Concen: 55.43 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.5	81.1	121.7#
98	46.6	37.3	55.9

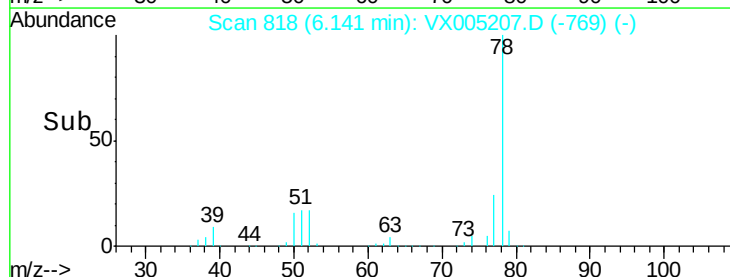
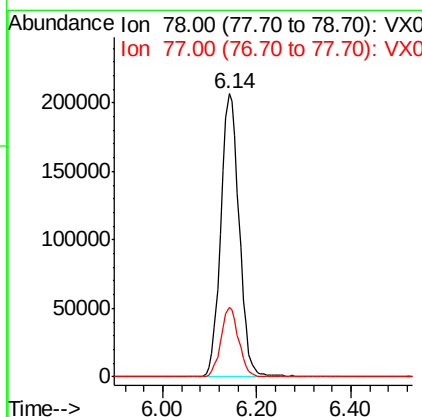
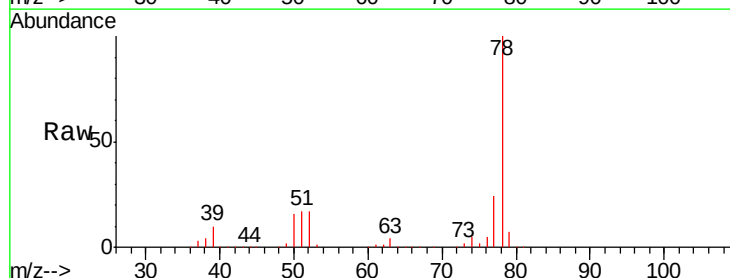
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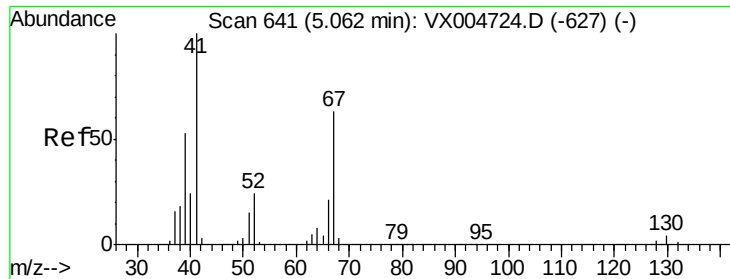
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#40
Benzene
Concen: 43.20 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	21.0	31.4





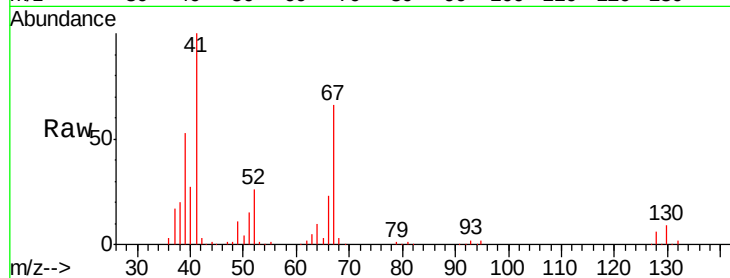
#41
Methacrylonitrile
Concen: 44.06 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

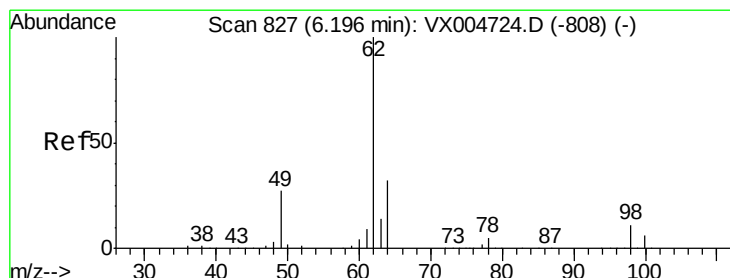
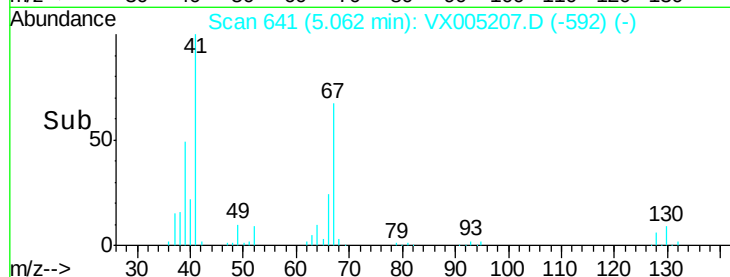
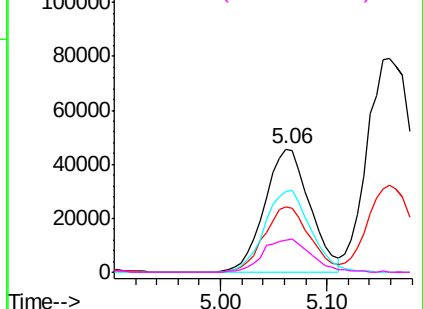
Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.1	42.5	63.7	
67	68.2	53.0	79.6	
52	28.1	19.8	29.8	

Manual Integrations
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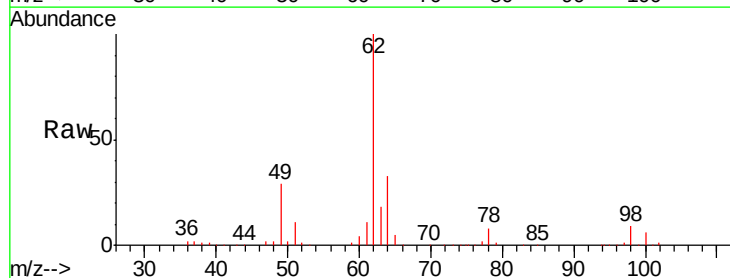


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

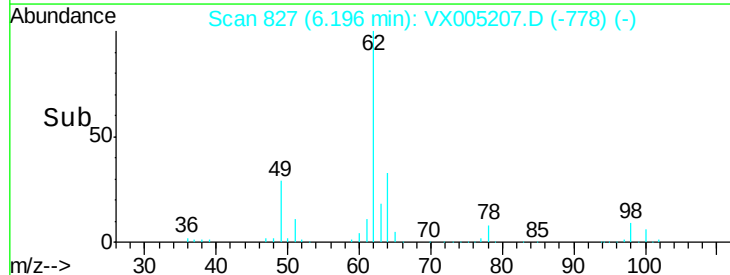
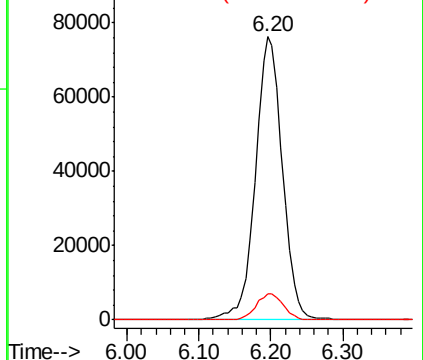


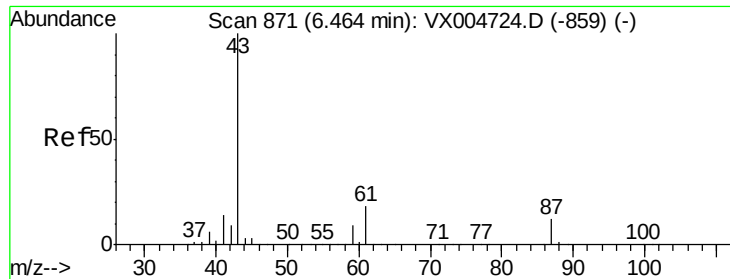
#42
1,2-Dichloroethane
Concen: 43.29 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	20.2	



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 44.97 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

Instrument :

MSVOA_X

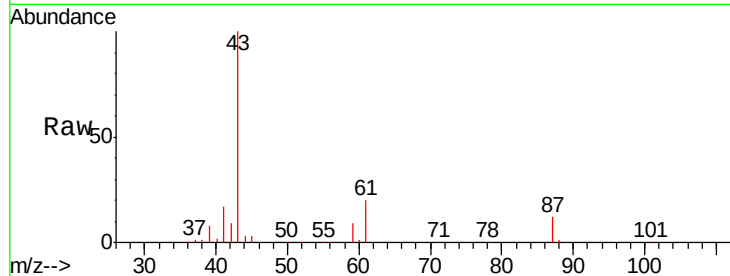
ClientSampleId :

VSTDCCC050

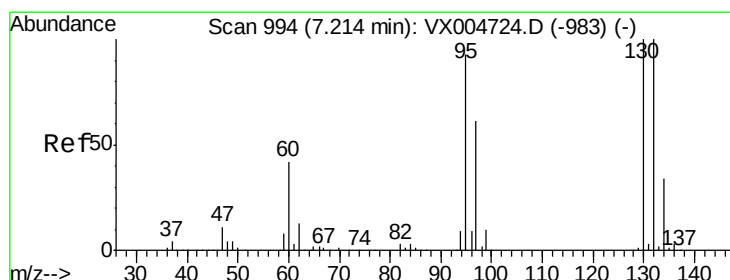
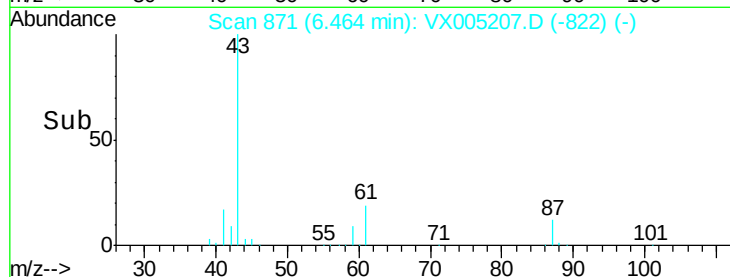
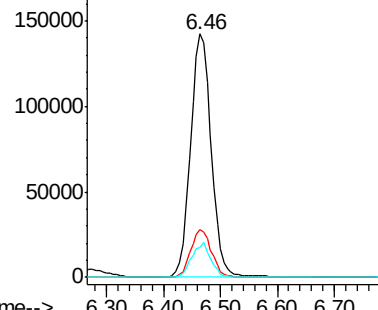
Tgt Ion:	43	Resp:	357401
Ion	Ratio	Lower	Upper
43	100		
61	19.9	14.2	21.4
87	13.1	9.3	13.9

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 46.76 ug/l

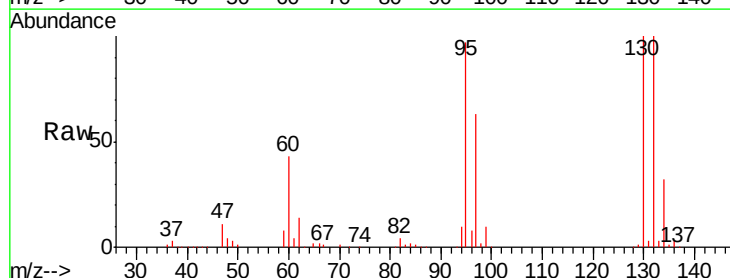
RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

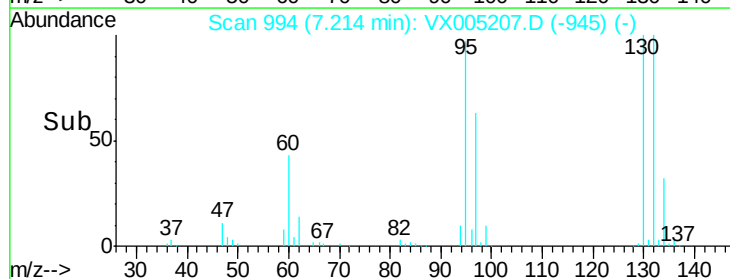
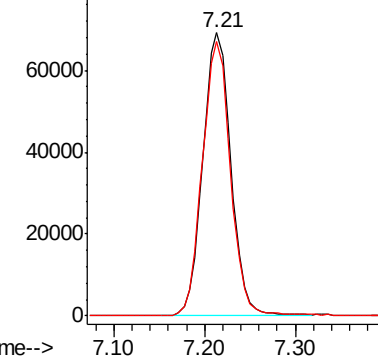
Lab File: VX005207.D

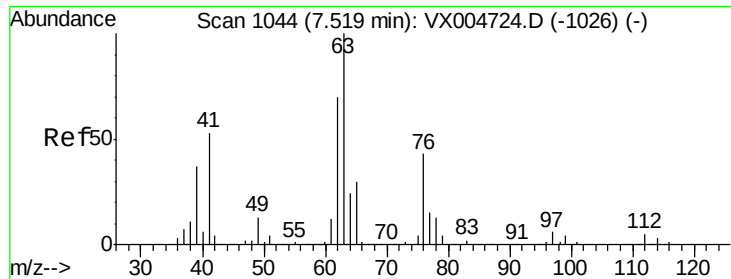
Acq: 10 Oct 2018 15:33

Tgt Ion:	130	Resp:	149272
Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	186.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





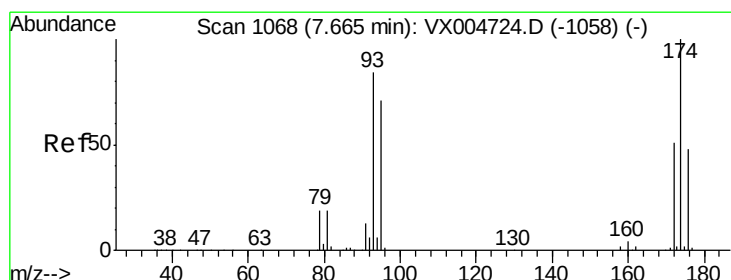
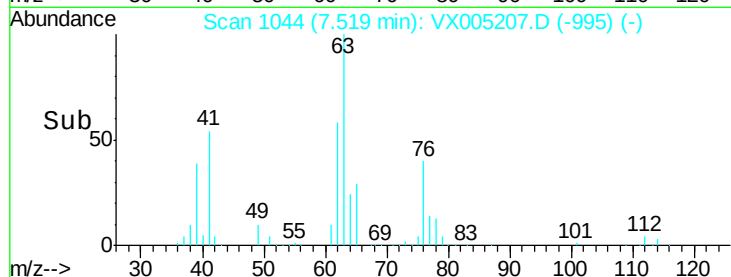
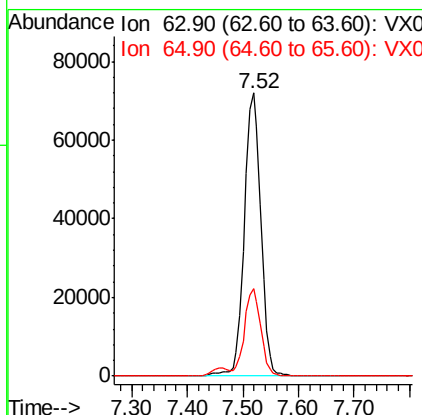
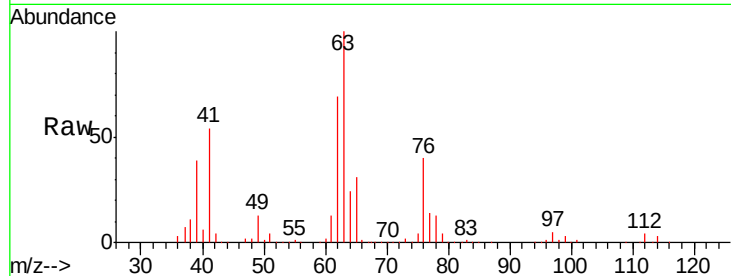
#45
1,2-Dichloropropane
Concen: 46.84 ug/l
RT: 7.52 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 149173
Ion Ratio Lower Upper
63 100
65 30.8 23.9 35.9

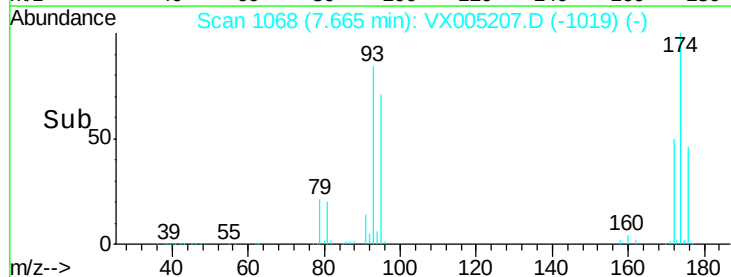
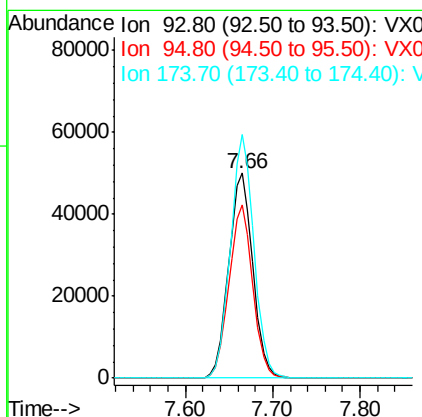
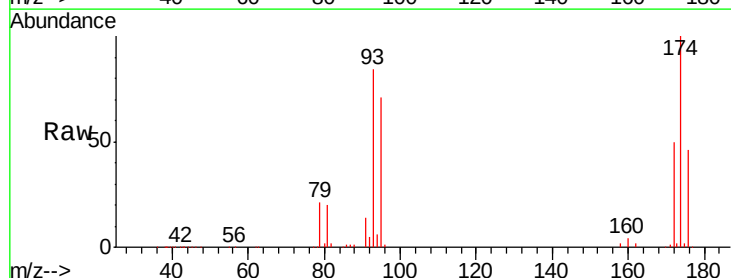
Manual Integrations
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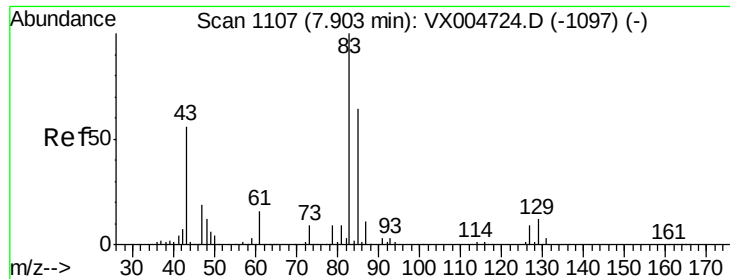
MMDadoda
10/12/2018 11:44:59 AM



#46
Dibromomethane
Concen: 48.04 ug/l
RT: 7.66 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Tgt Ion: 93 Resp: 96141
Ion Ratio Lower Upper
93 100
95 83.2 66.7 100.1
174 115.7 92.7 139.1





#47

Bromodichloromethane

Concen: 49.48 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

Instrument :

MSVOA_X

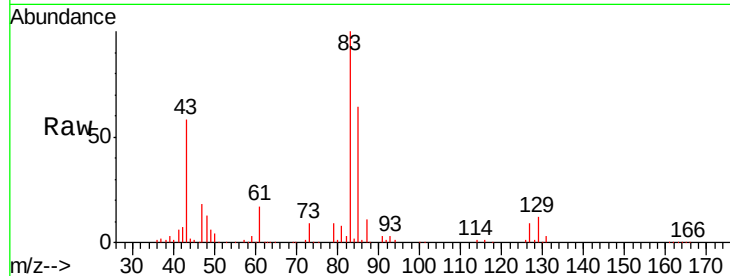
ClientSampleId :

VSTDCCC050

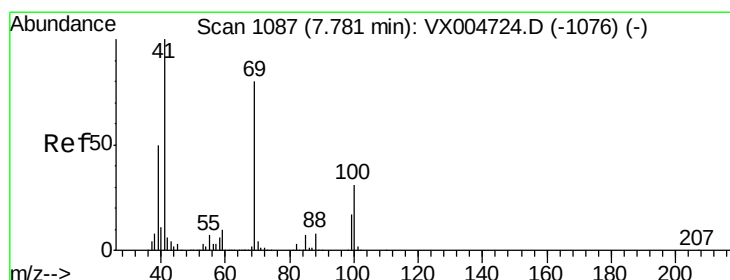
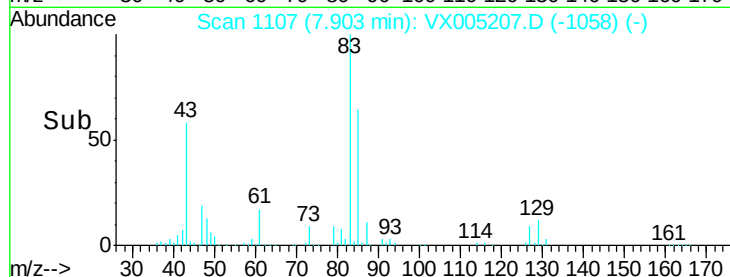
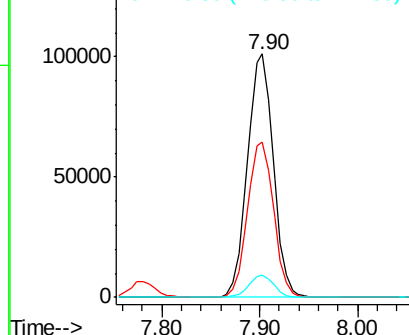
Tgt Ion:	83	Resp:	185395
Ion Ratio	Lower	Upper	
83	100		
85	63.8	51.2	76.8
127	9.1	7.0	10.6

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 52.84 ug/l

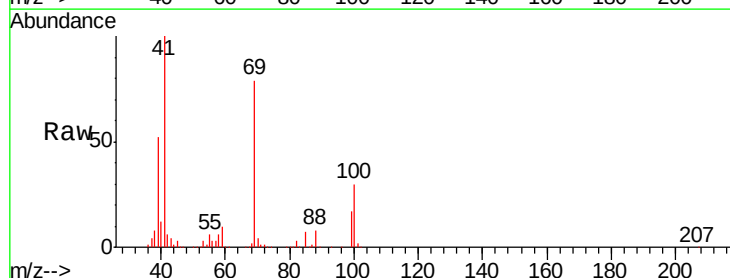
RT: 7.78 min Scan# 1087

Delta R.T. -0.00 min

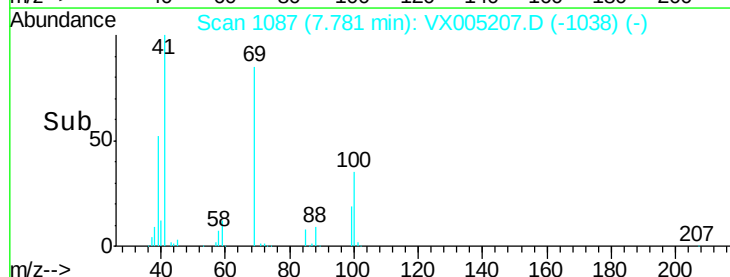
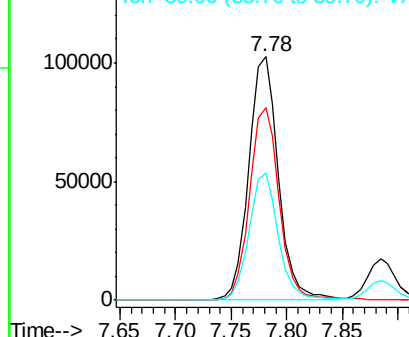
Lab File: VX005207.D

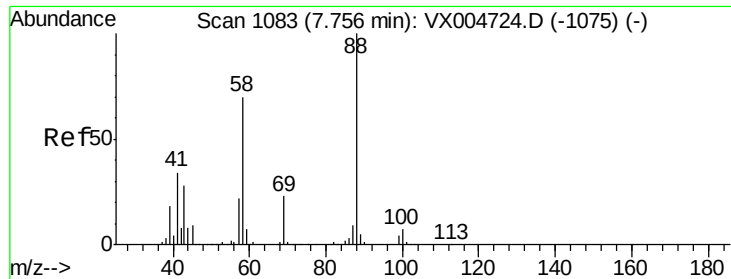
Acq: 10 Oct 2018 15:33

Tgt Ion:	41	Resp:	190611
Ion Ratio	Lower	Upper	
41	100		
69	79.8	63.8	95.6
39	51.3	40.7	61.1



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





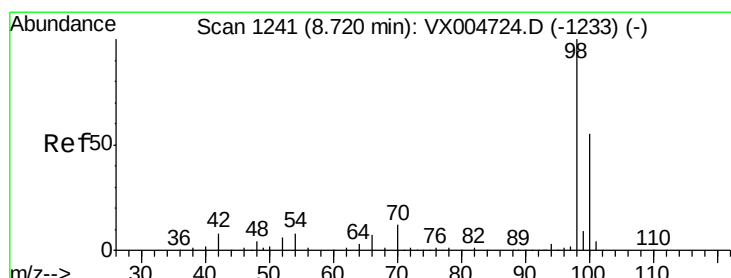
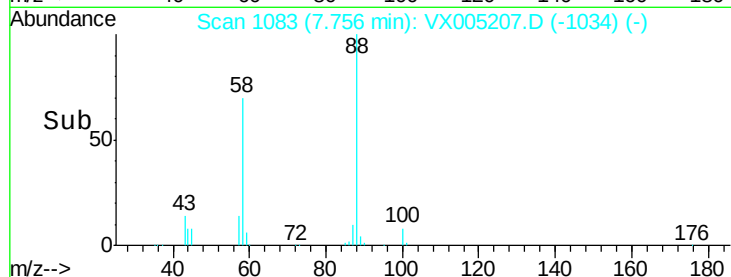
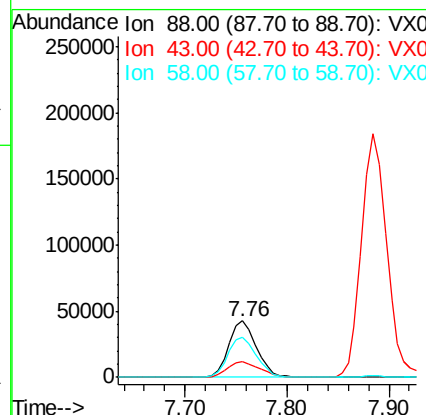
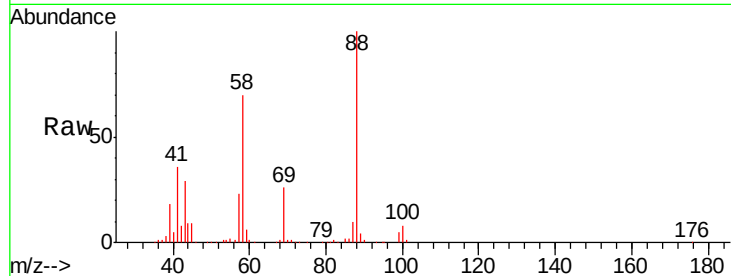
#49
1,4-Dioxane
Concen: 896.26 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.9	25.1	37.7
58	73.9	56.2	84.2

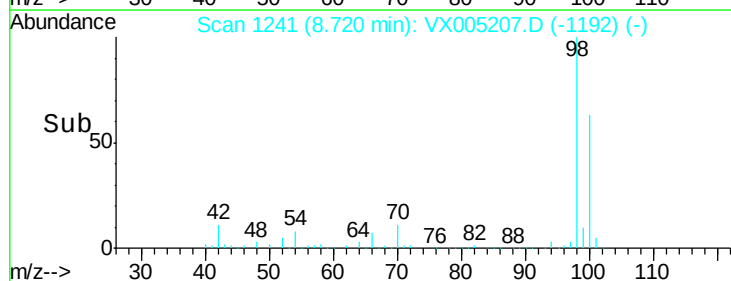
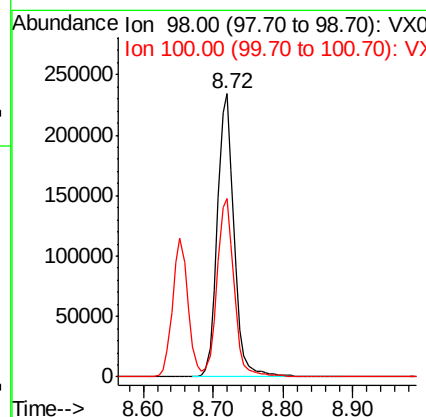
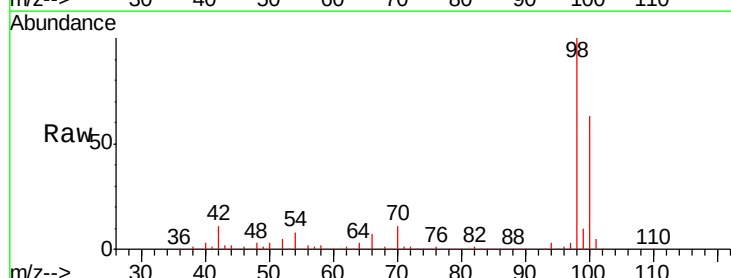
Manual Integrations
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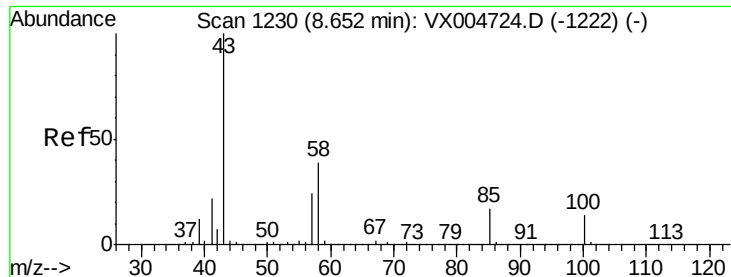
MMDadoda
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#50
Toluene-d8
Concen: 38.35 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 253.18 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1266874

Ion Ratio Lower Upper

43 100

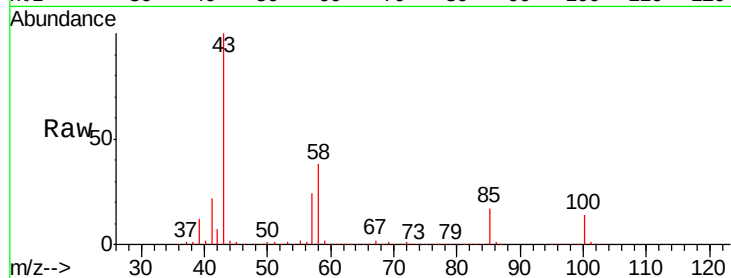
58 38.6 30.5 45.7

Manual Integrations

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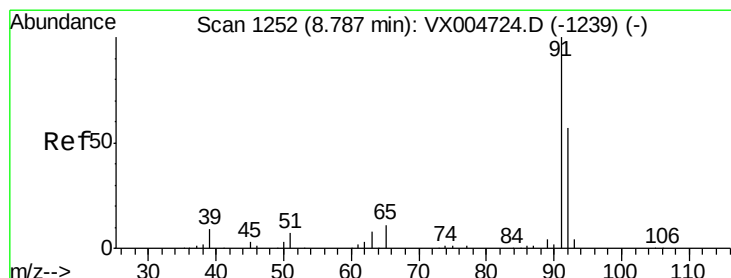
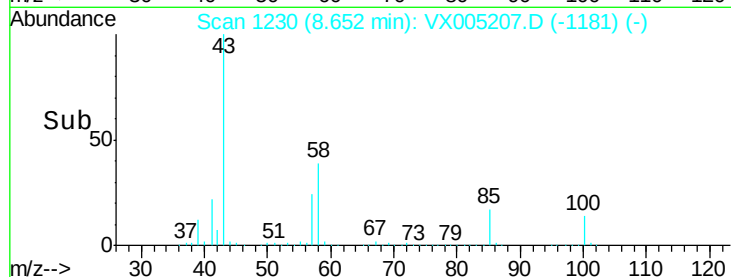
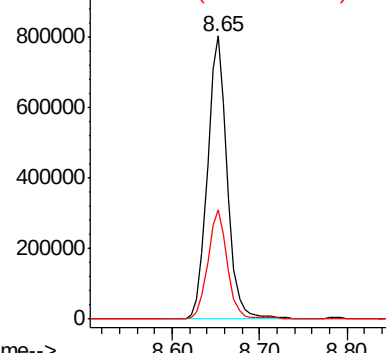
MMDadoda

10/12/2018 11:44:59 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 49.16 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005207.D

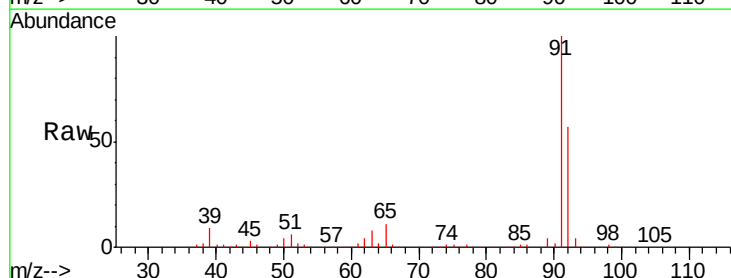
Acq: 10 Oct 2018 15:33

Tgt Ion: 92 Resp: 350788

Ion Ratio Lower Upper

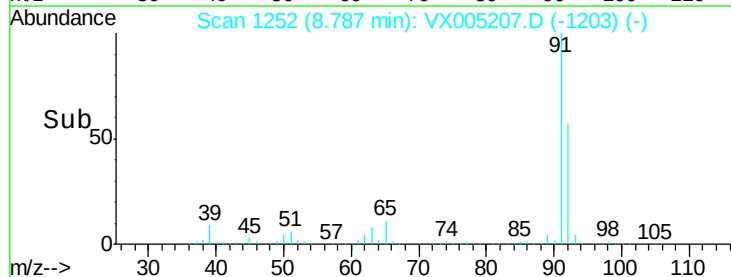
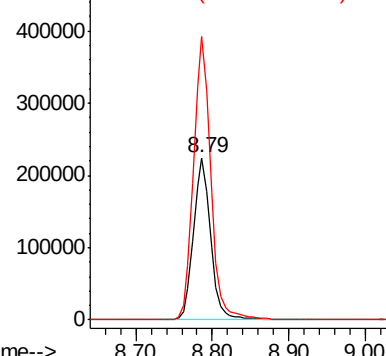
92 100

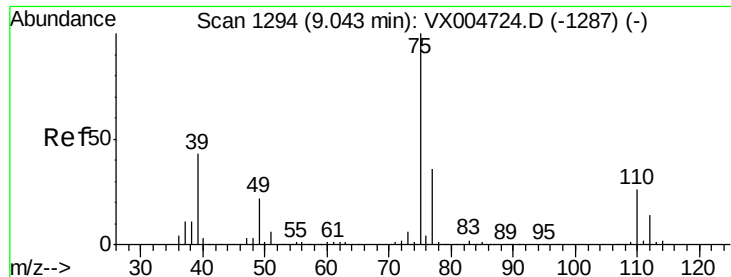
91 175.5 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





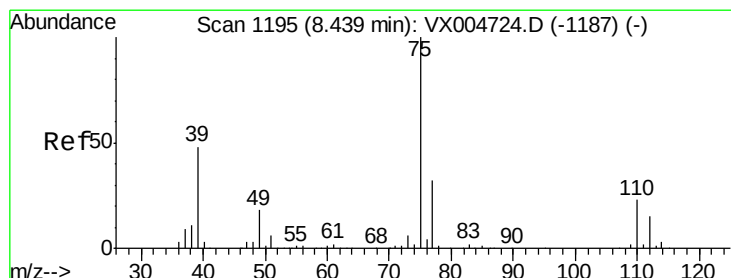
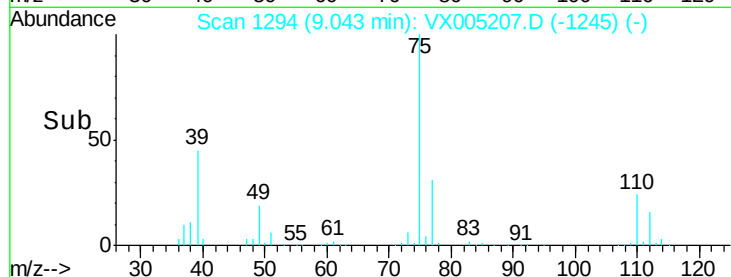
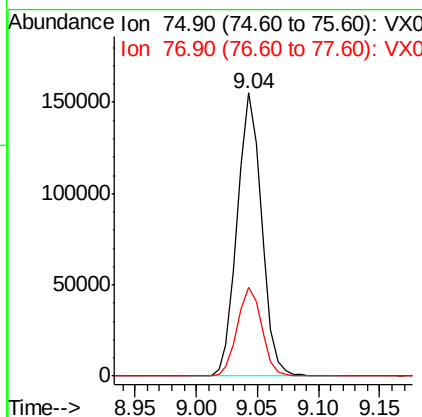
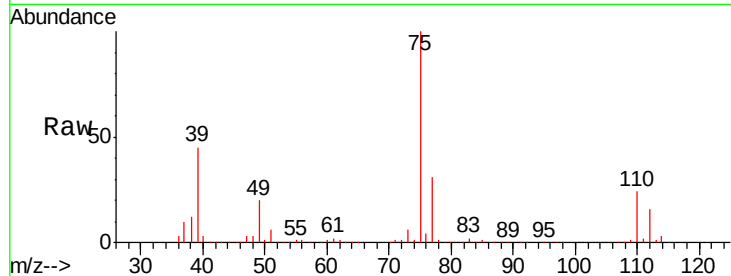
#53
t-1,3-Dichloropropene
Concen: 50.60 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 214251
Ion Ratio Lower Upper
75 100
77 31.2 28.9 43.3

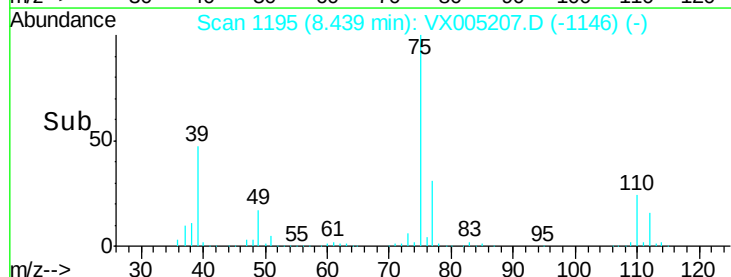
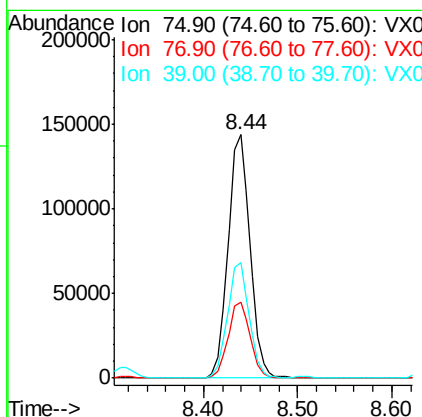
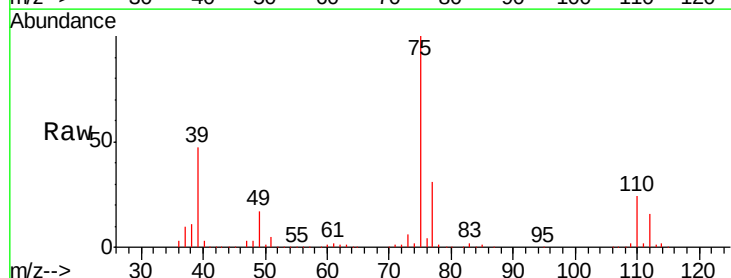
Manual Integrations
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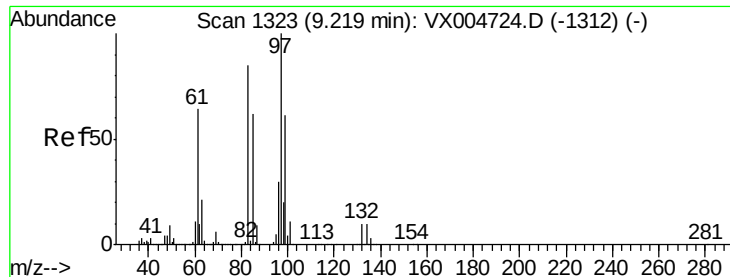
MMDadoda
10/12/2018 11:44:59 AM



#54
cis-1,3-Dichloropropene
Concen: 52.33 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Tgt Ion: 75 Resp: 232089
Ion Ratio Lower Upper
75 100
77 31.1 25.7 38.5
39 47.2 38.3 57.5





#55

1,1,2-Trichloroethane

Concen: 45.91 ug/l

RT: 9.22 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

Instrument :

MSVOA_X

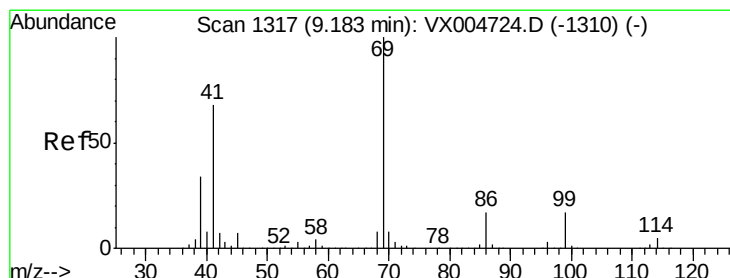
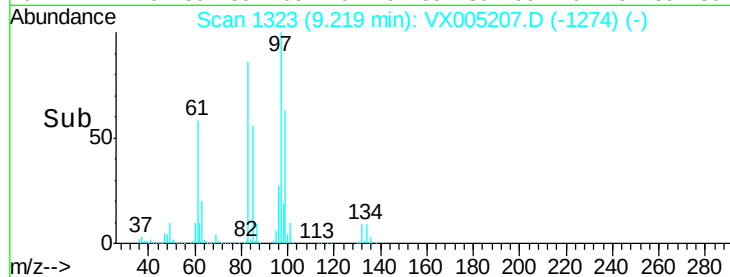
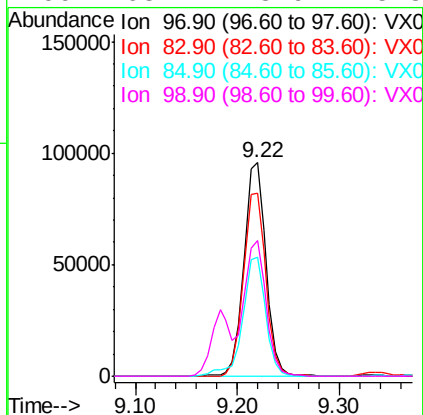
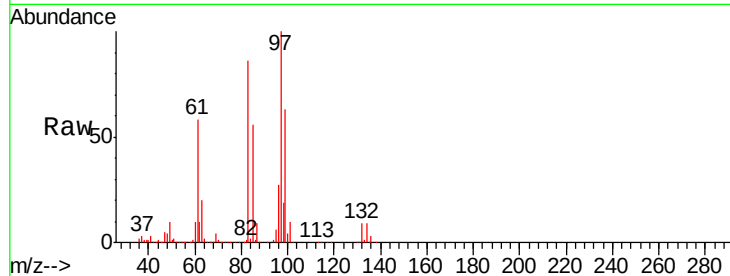
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.7	68.2	102.2
85	55.6	49.9	74.9
99	63.2	48.9	73.3

Manual Integrations
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MMDadoda
10/12/2018 11:44:59 AM



#56

Ethyl methacrylate

Concen: 45.71 ug/l

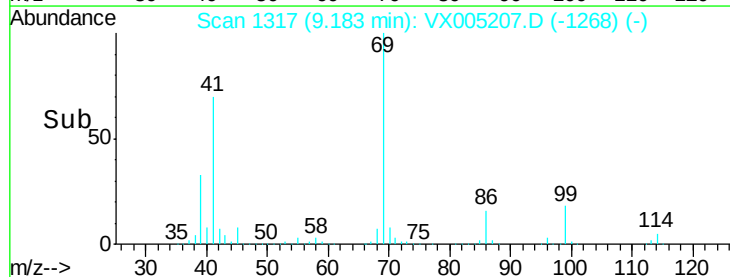
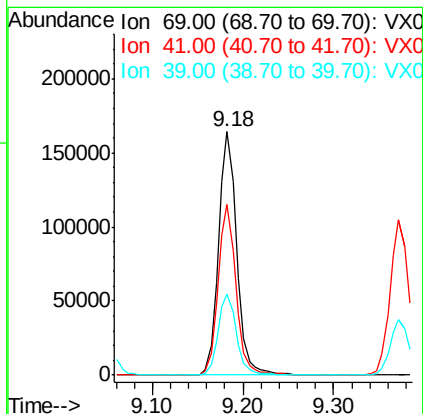
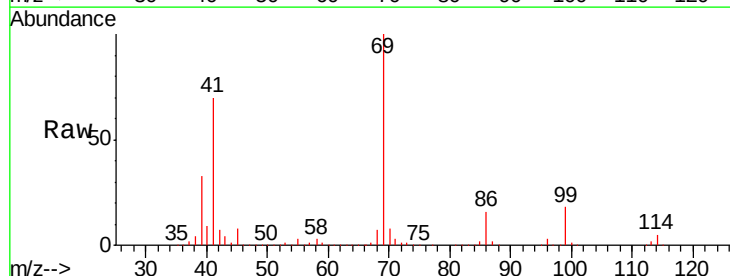
RT: 9.18 min Scan# 1317

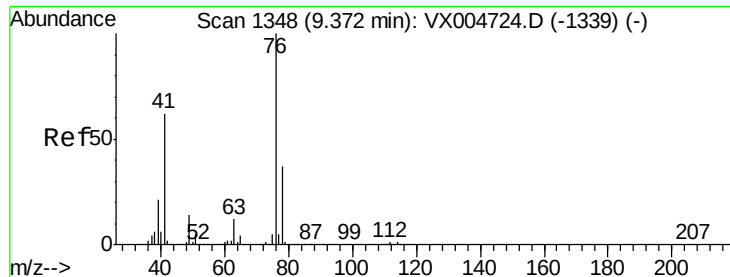
Delta R.T. 0.00 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.0	56.9	85.3
39	33.7	28.4	42.6





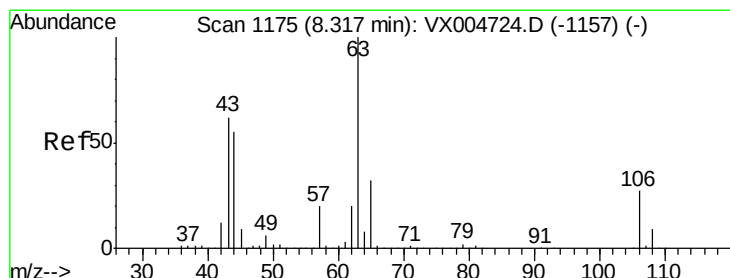
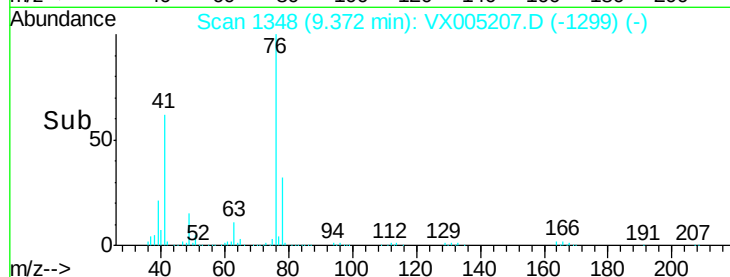
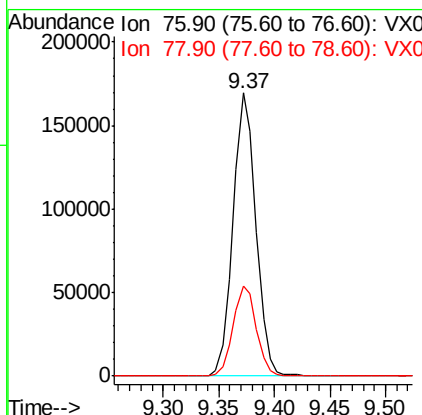
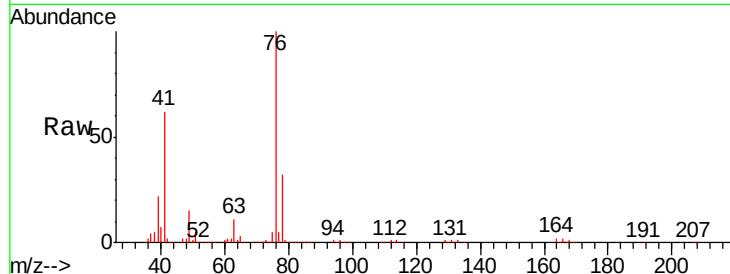
#57
 1,3-Dichloropropane
 Concen: 46.26 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX005207.D
 Acq: 10 Oct 2018 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 240669
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.6 40.0

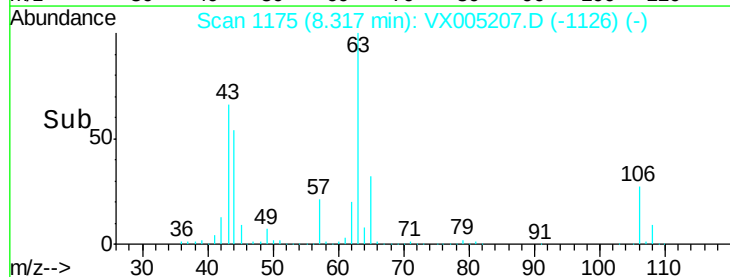
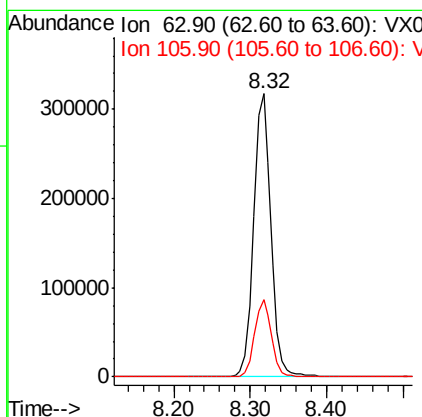
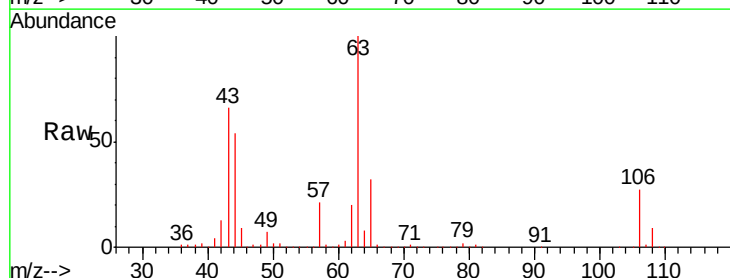
Manual Integrations
 APPROVED

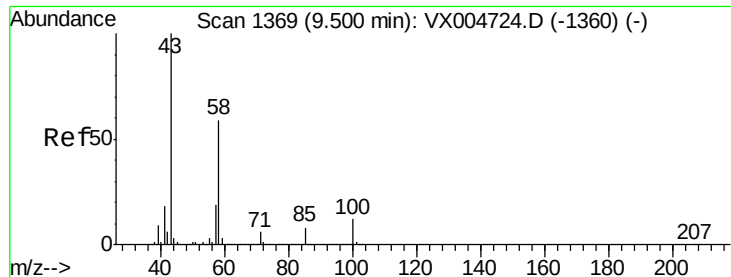
MMDadoda
 10/12/2018 11:44:59 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 189.29 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX005207.D
 Acq: 10 Oct 2018 15:33

Tgt Ion: 63 Resp: 499931
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.0 31.6





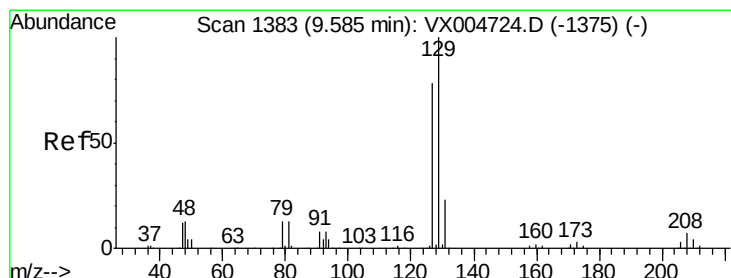
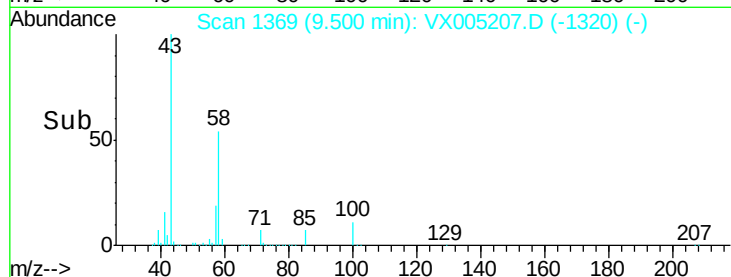
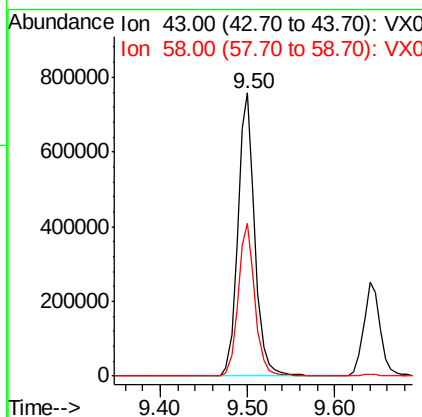
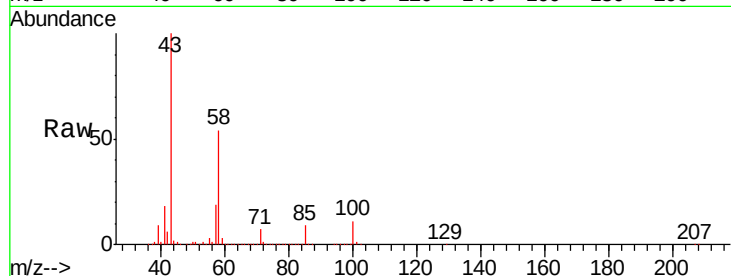
#59
2-Hexanone
Concen: 246.04 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1025967
Ion Ratio Lower Upper
43 100
58 53.5 28.4 85.3

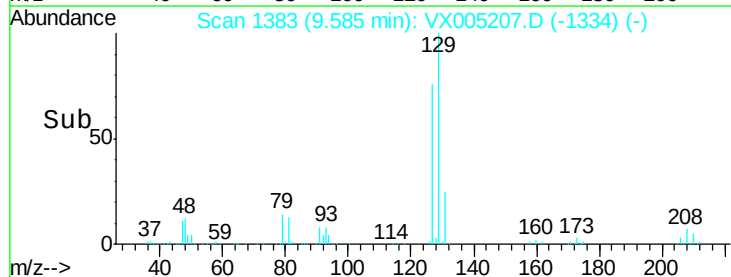
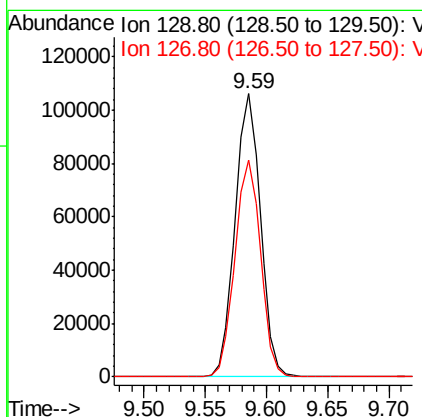
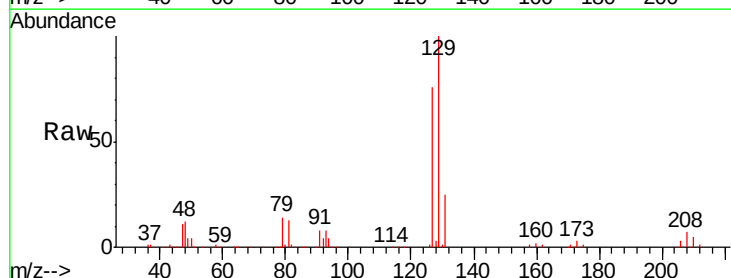
Manual Integrations
APPROVED

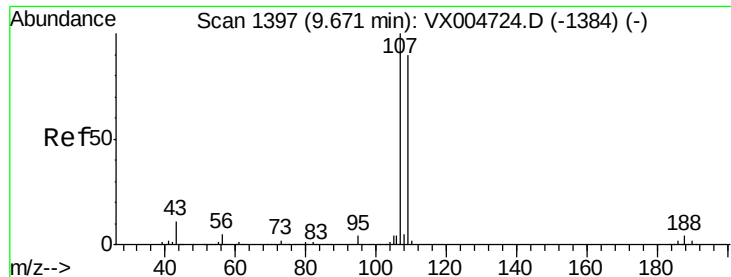
MMDadoda
10/12/2018 11:44:59 AM



#60
Dibromochloromethane
Concen: 48.71 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Tgt Ion: 129 Resp: 152250
Ion Ratio Lower Upper
129 100
127 77.3 39.1 117.2





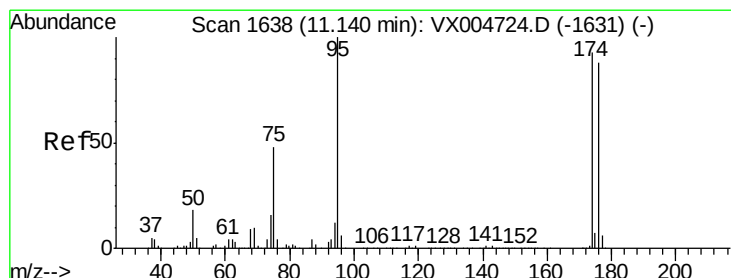
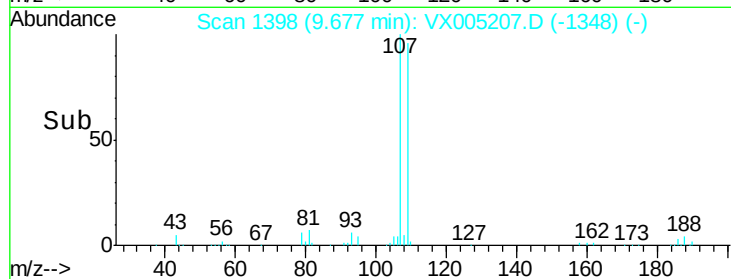
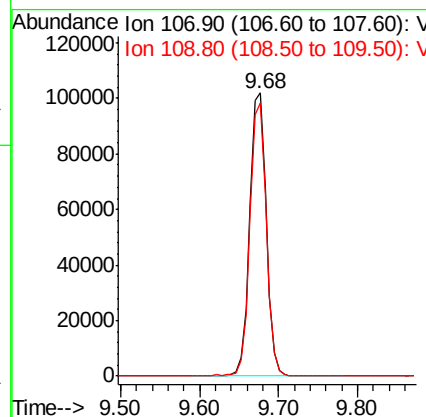
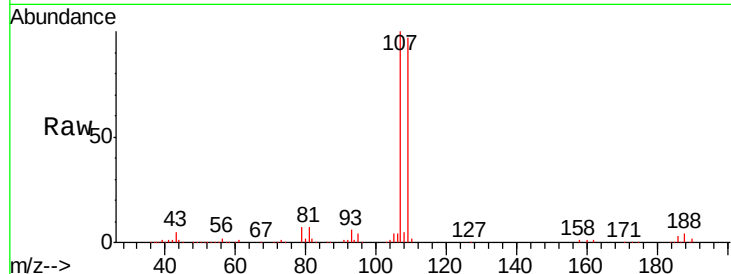
#61
 1,2-Dibromoethane
 Concen: 44.35 ug/l
 RT: 9.68 min Scan# 1398
 Delta R.T. 0.01 min
 Lab File: VX005207.D
 Acq: 10 Oct 2018 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	148475		
109	95.8	72.1	108.1	

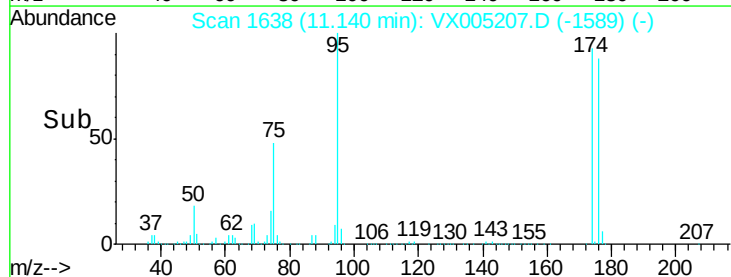
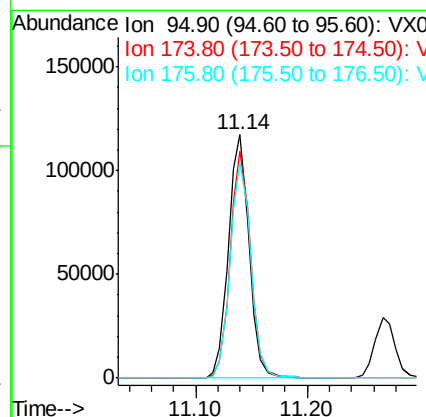
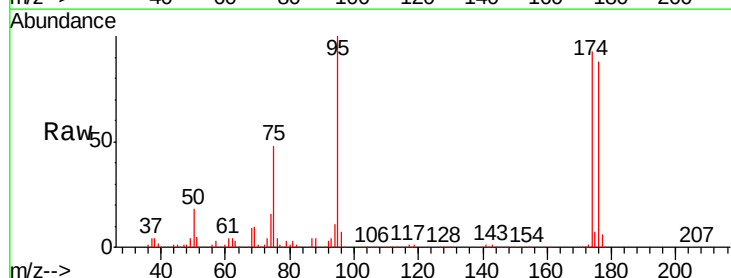
Manual Integrations
 APPROVED

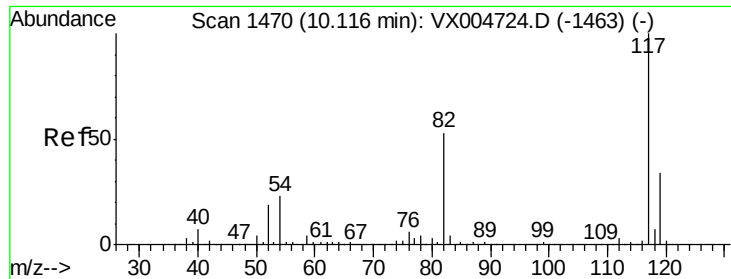
MMDadoda
 10/12/2018 11:44:59 AM



#62
 4-Bromofluorobenzene
 Concen: 41.27 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX005207.D
 Acq: 10 Oct 2018 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	150271		
174	92.3	0.0	185.0	
176	89.4	0.0	180.2	





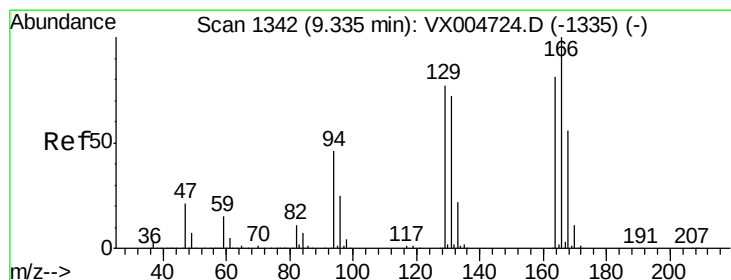
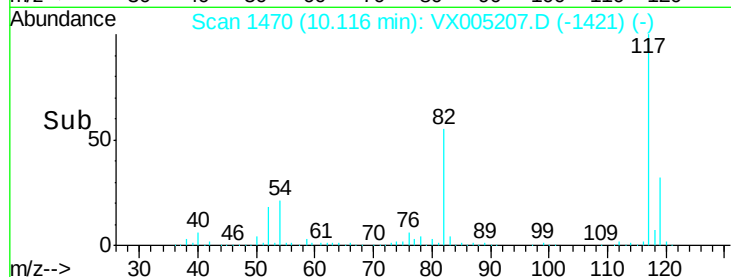
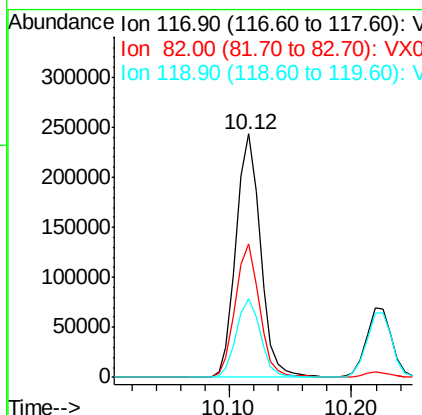
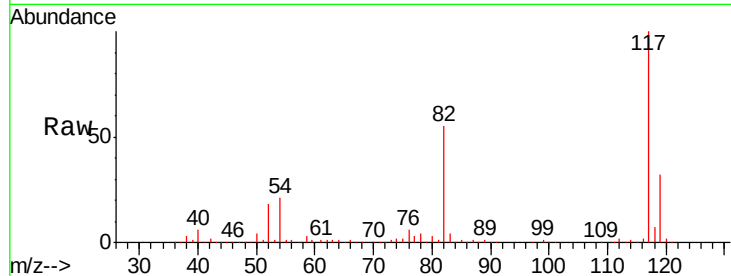
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	54.7	42.2	63.4
119	32.0	27.4	41.0

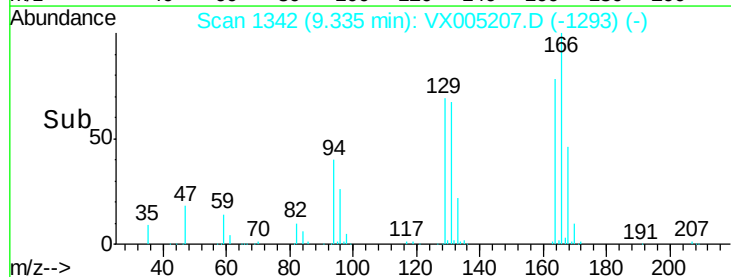
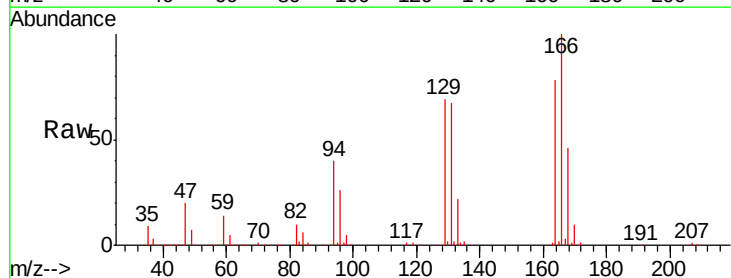
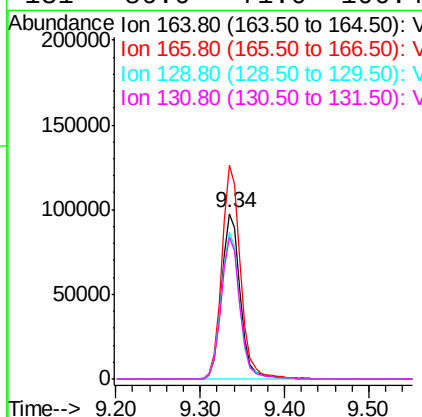
Manual Integrations
APPROVED

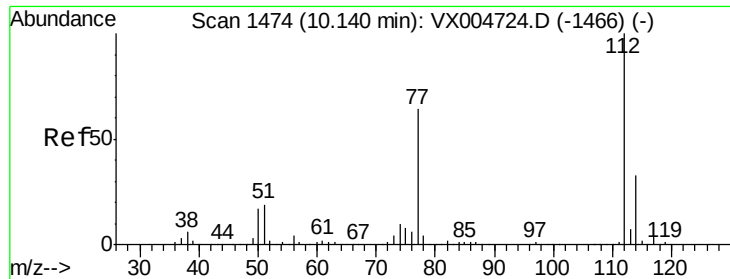
MMDadoda
10/12/2018 11:44:59 AM



#64
Tetrachloroethene
Concen: 45.23 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	129.0	98.4	147.6
129	89.3	76.1	114.1
131	86.0	71.0	106.4





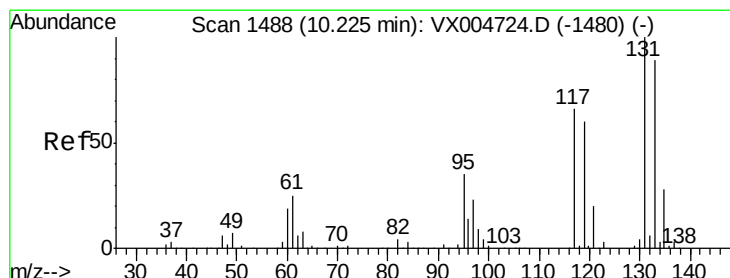
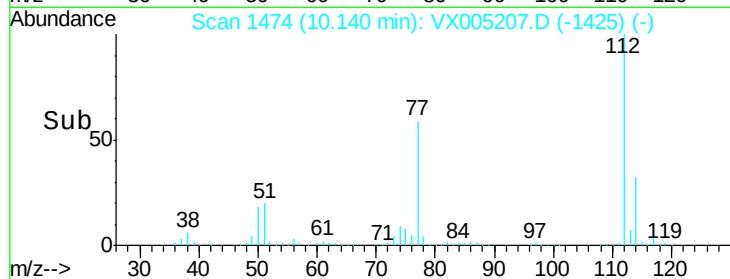
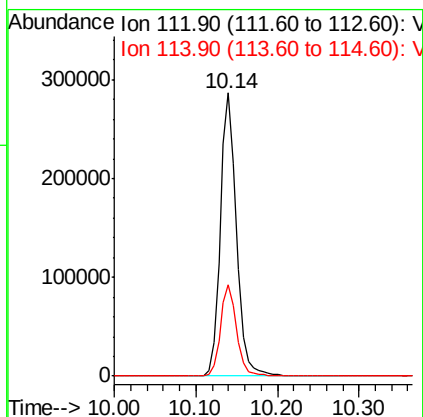
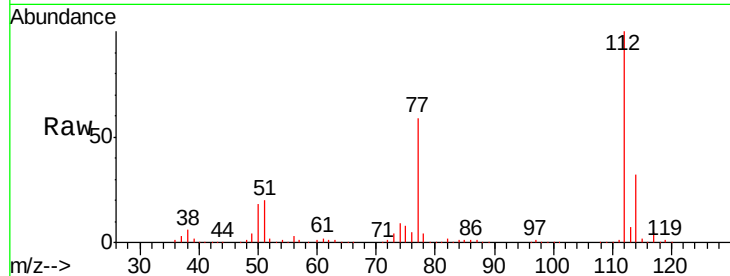
#65
Chlorobenzene
Concen: 45.58 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 395478
Ion Ratio Lower Upper
112 100
114 32.3 26.7 40.1

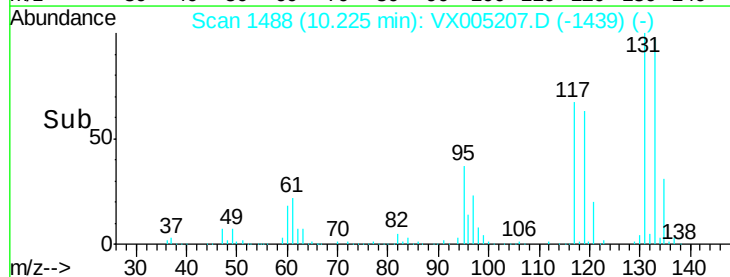
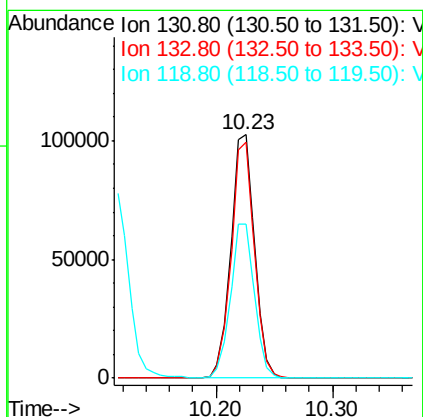
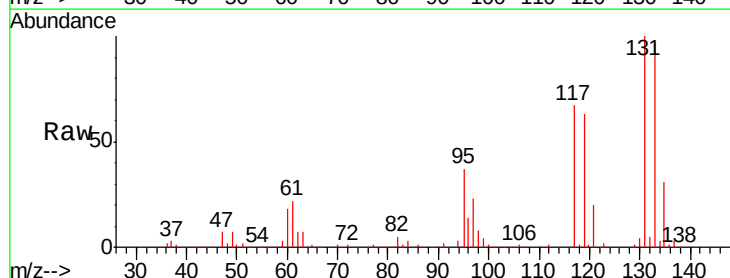
Manual Integrations
APPROVED

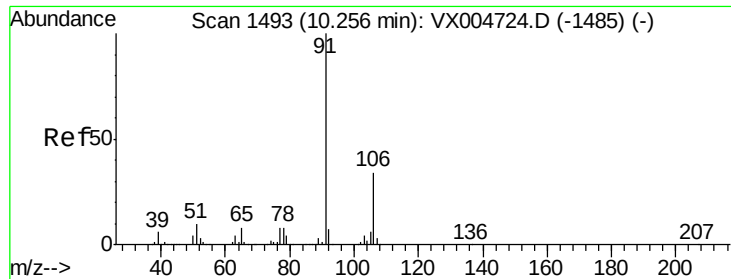
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.59 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Tgt Ion:131 Resp: 145185
Ion Ratio Lower Upper
131 100
133 94.6 48.4 145.0
119 64.0 32.3 96.8





#67

Ethyl Benzene

Concen: 49.65 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 684007

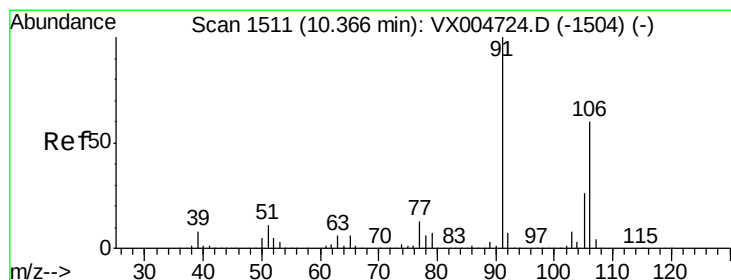
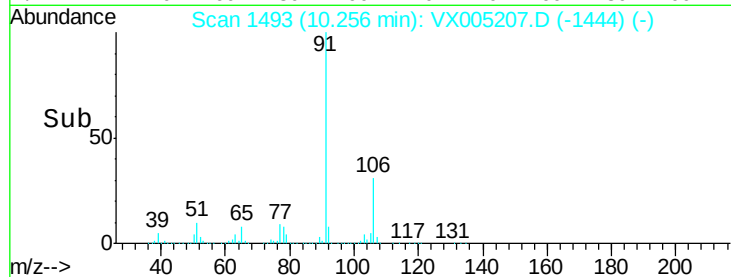
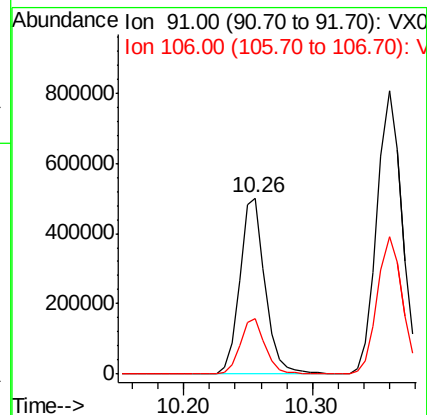
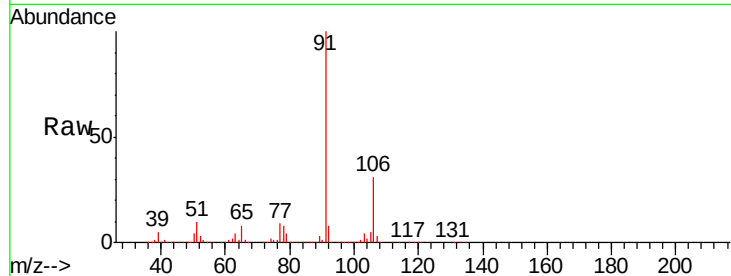
Ion Ratio Lower Upper

91 100

106 31.4 26.9 40.3

Manual Integrations
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#68

m/p-Xylenes

Concen: 99.67 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX005207.D

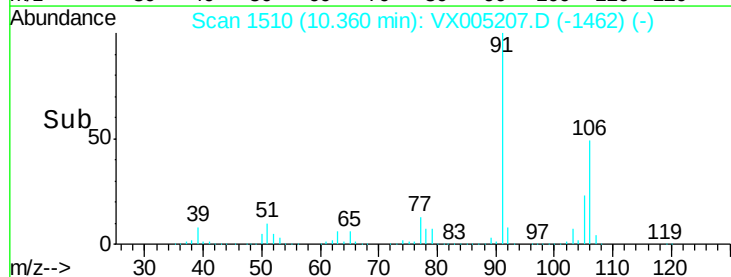
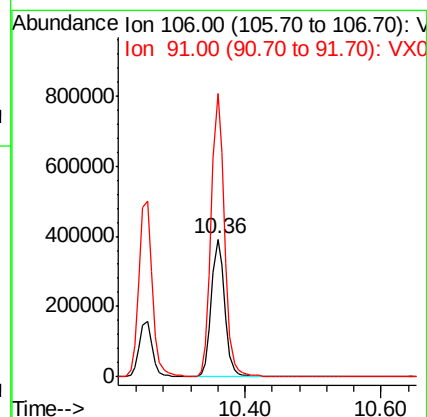
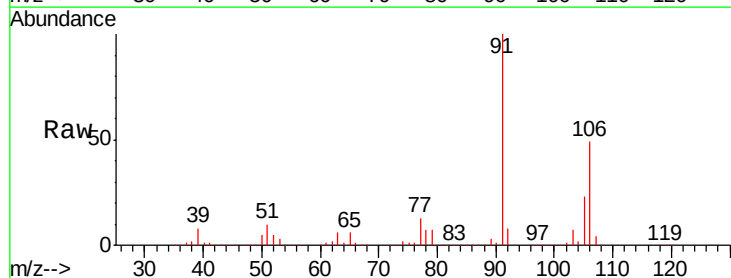
Acq: 10 Oct 2018 15:33

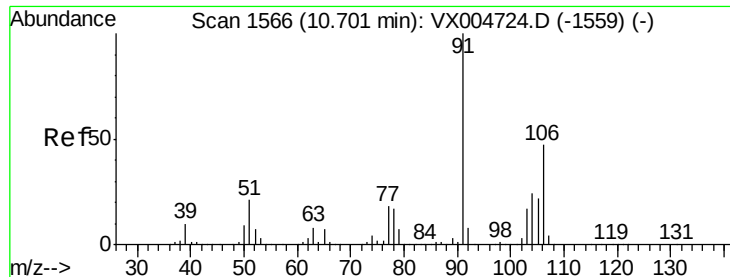
Tgt Ion: 106 Resp: 536581

Ion Ratio Lower Upper

106 100

91 204.2 157.5 236.3





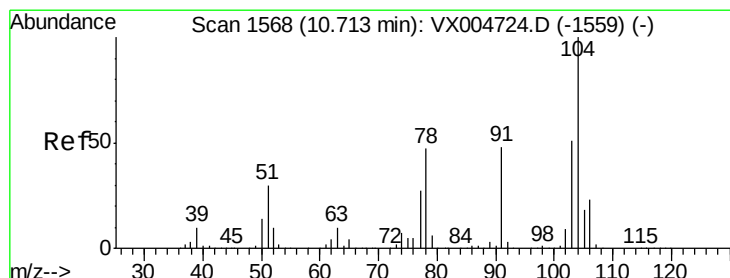
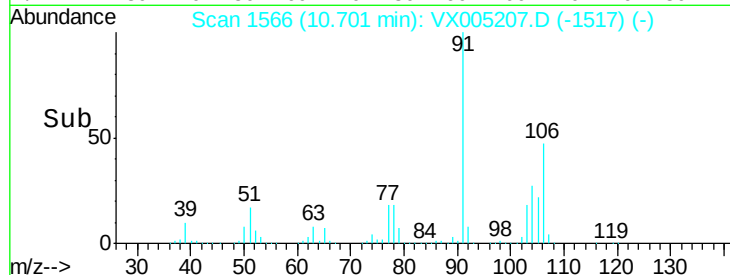
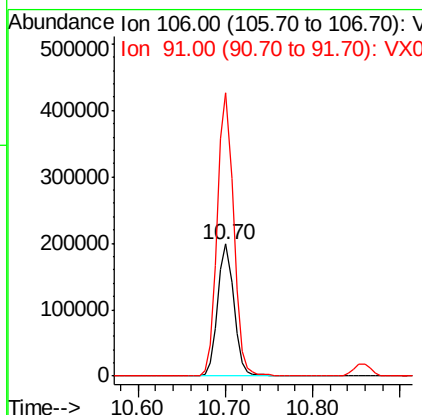
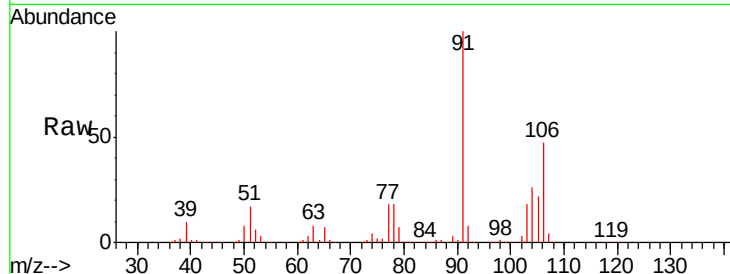
#69
o-Xylene
Concen: 51.58 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 255051
Ion Ratio Lower Upper
106 100
91 215.7 108.3 324.8

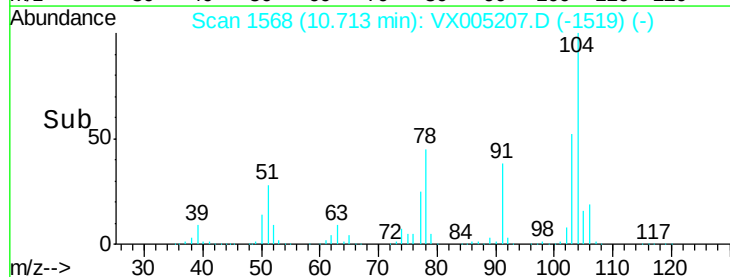
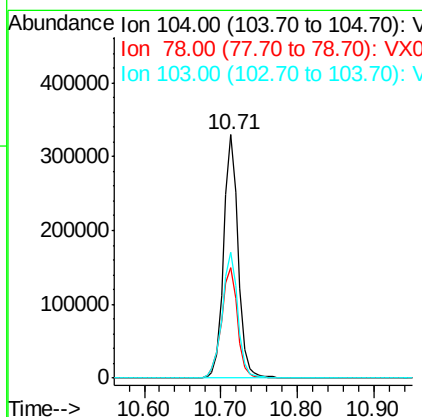
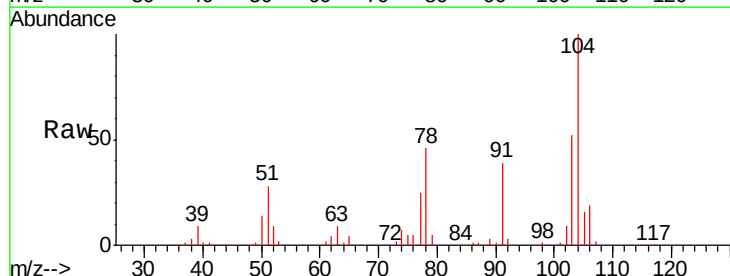
Manual Integrations
APPROVED

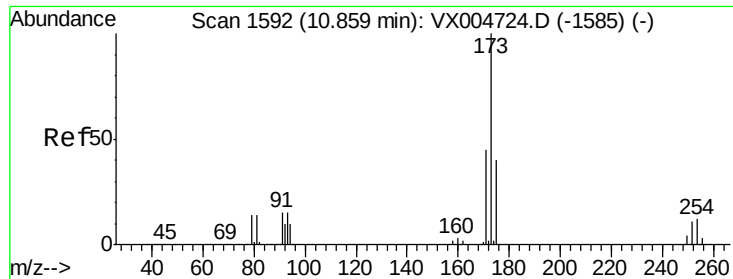
MMDadoda
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#70
Styrene
Concen: 46.75 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Tgt Ion:104 Resp: 431047
Ion Ratio Lower Upper
104 100
78 50.7 40.0 60.0
103 56.1 44.3 66.5





#71

Bromoform

Concen: 48.57 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

Instrument :

MSVOA_X

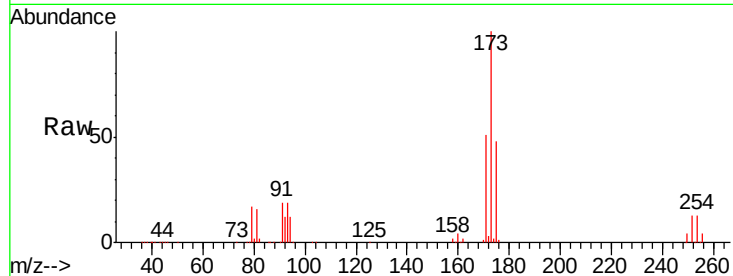
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	126846		
175	48.7	23.3	69.8	
254	0.2	0.2	0.2#	

Manual Integrations
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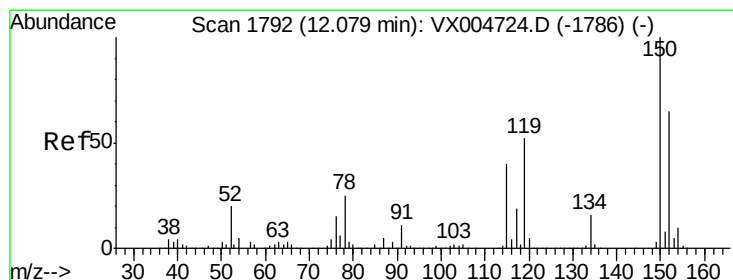
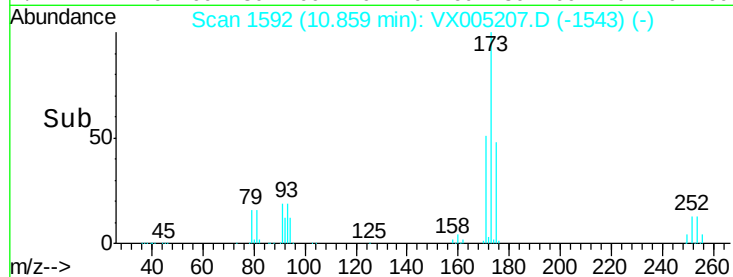
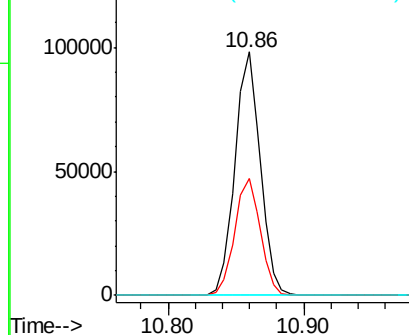
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Abundance Ion 172.70 (172.40 to 173.40): V

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

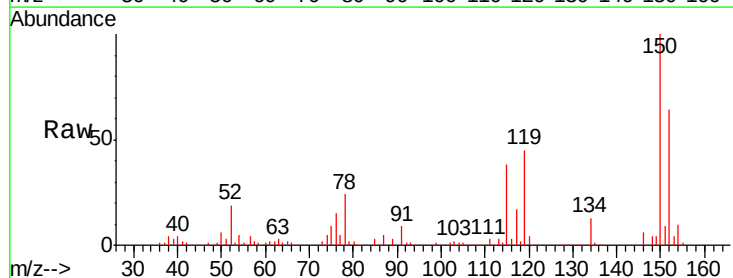
RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

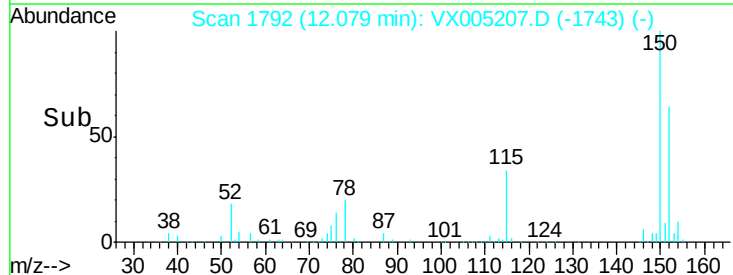
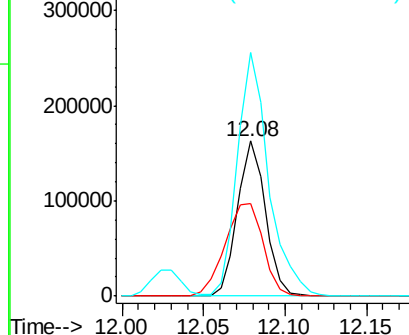
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	195132		
115	81.4	40.2	120.6	
150	175.3	0.0	351.0	

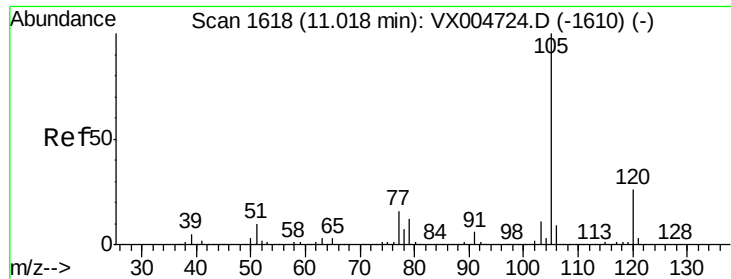


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 57.00 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 701087

Ion Ratio Lower Upper

105 100

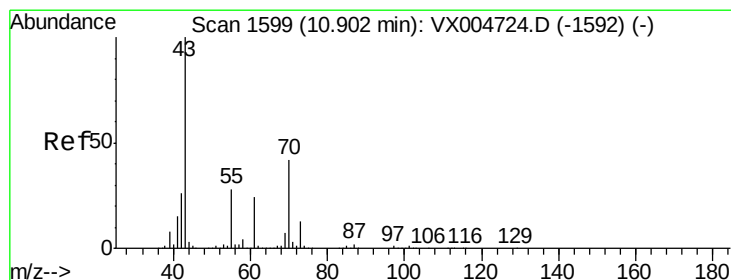
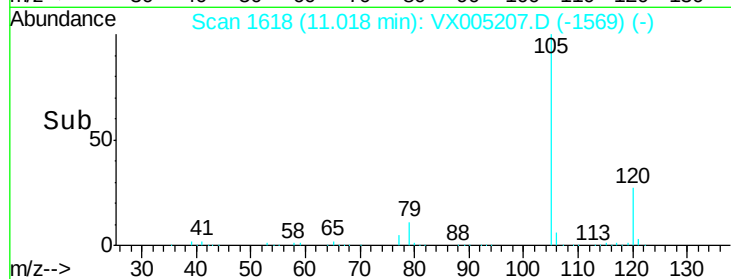
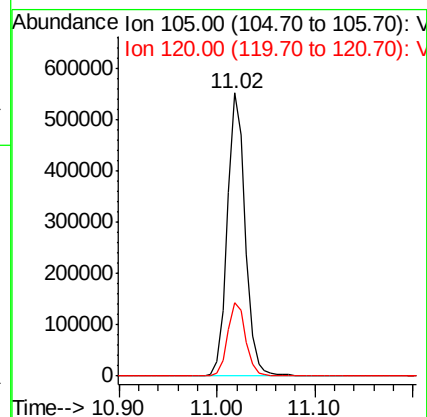
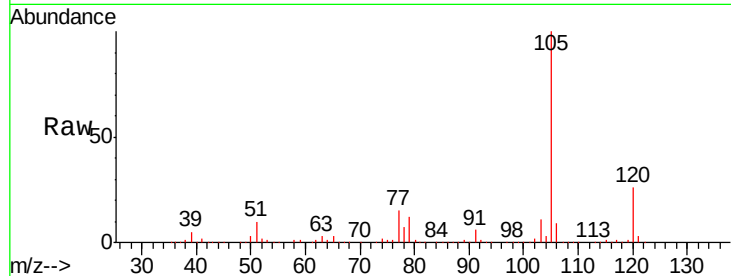
120 26.5 13.2 39.5

Manual Integrations

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10/12/2018 11:44:59 AM



#74

N-ethyl acetate

Concen: 48.61 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

Tgt Ion: 43 Resp: 328244

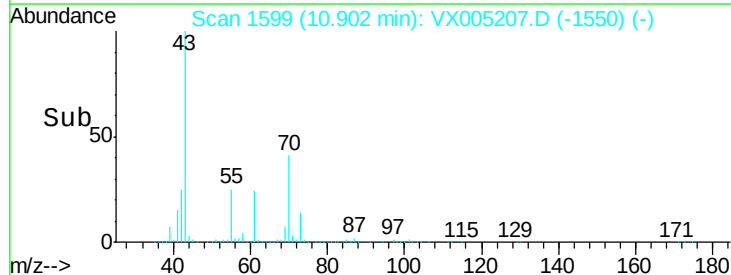
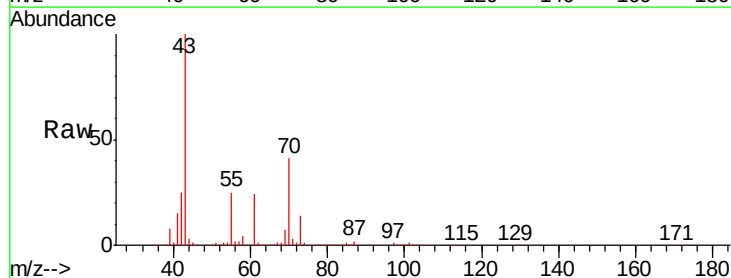
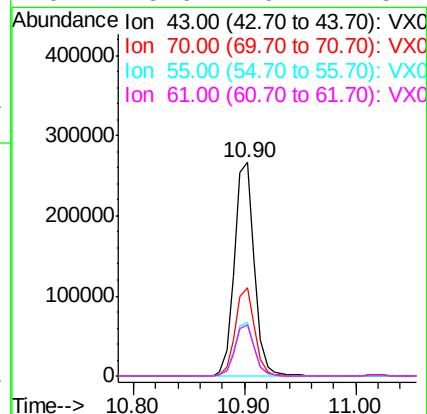
Ion Ratio Lower Upper

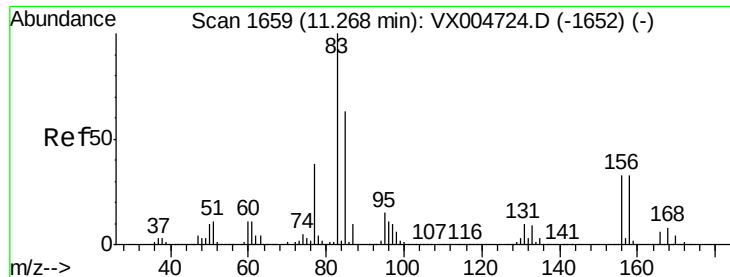
43 100

70 40.5 32.6 48.8

55 24.8 21.6 32.4

61 23.6 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 47.86 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

Instrument :

MSVOA_X

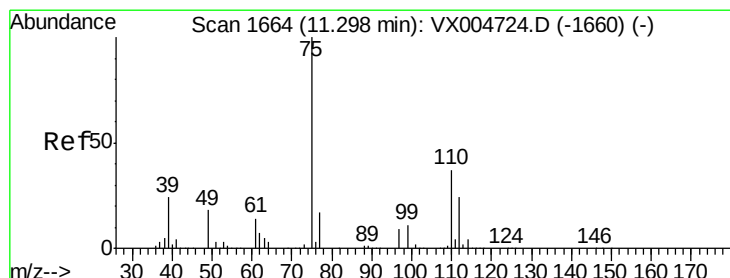
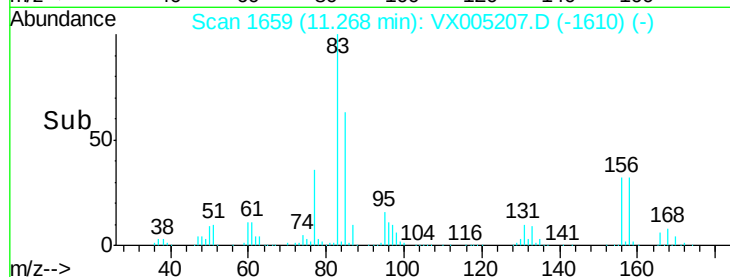
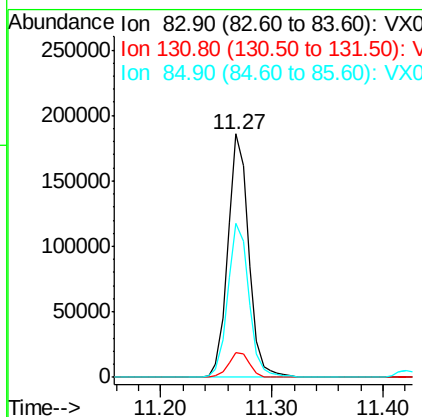
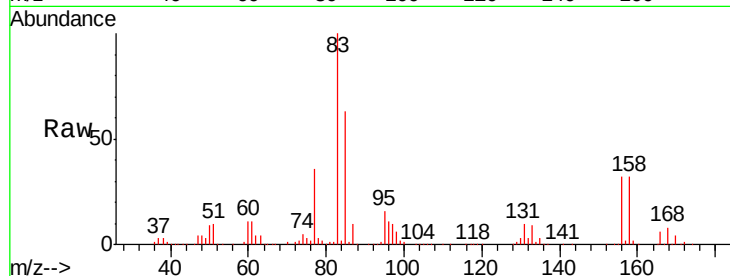
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	239628
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.3
85	64.3	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.23 ug/l m

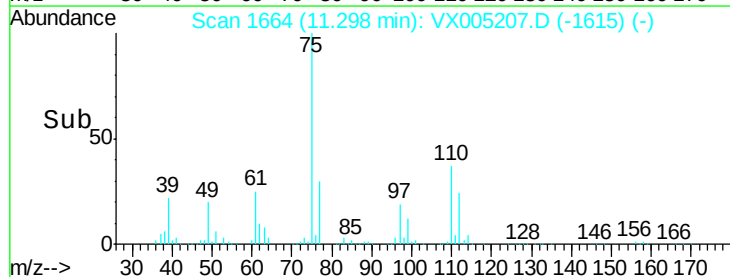
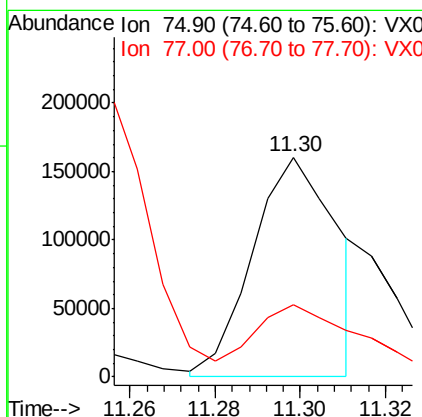
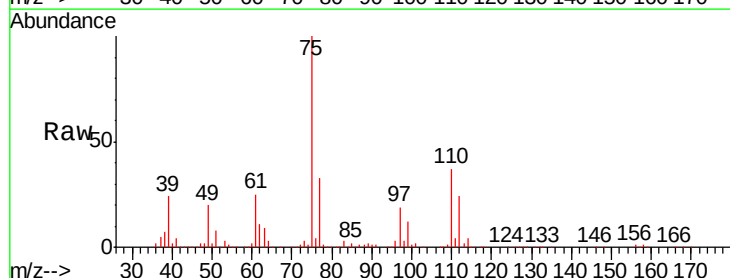
RT: 11.30 min Scan# 1664

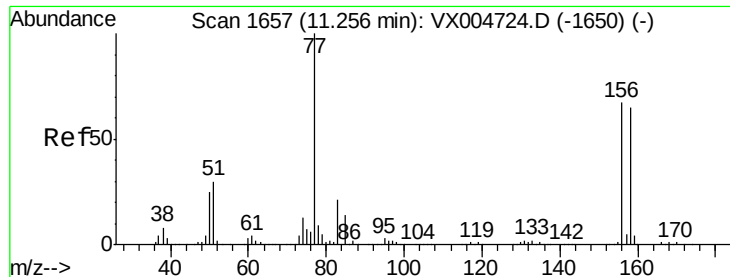
Delta R.T. 0.00 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

Tgt Ion:	75	Resp:	219702
Ion Ratio	Lower	Upper	
75	100		
77	41.9	21.4	64.3





#77

Bromobenzene

Concen: 51.63 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

Instrument :

MSVOA_X

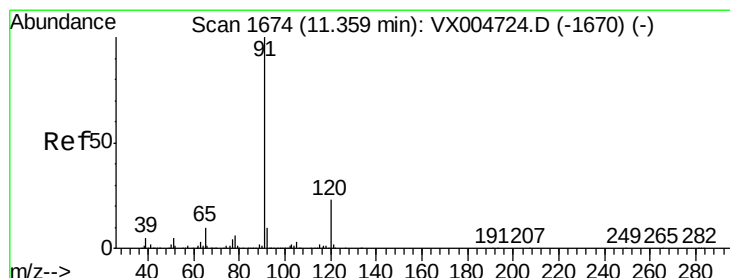
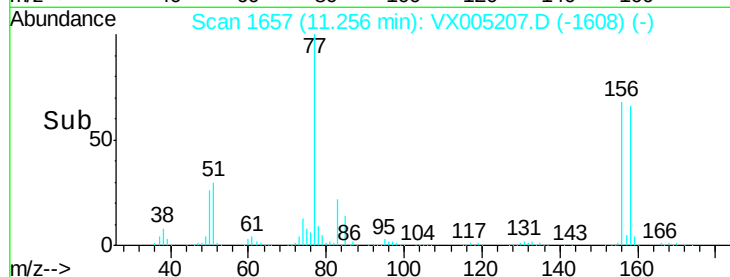
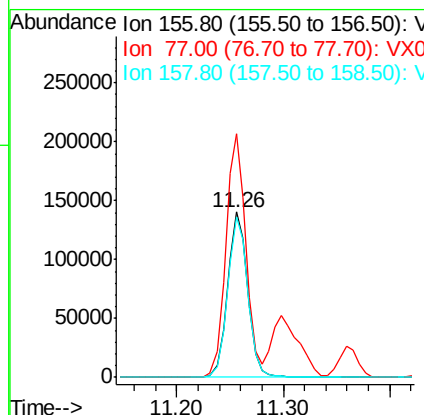
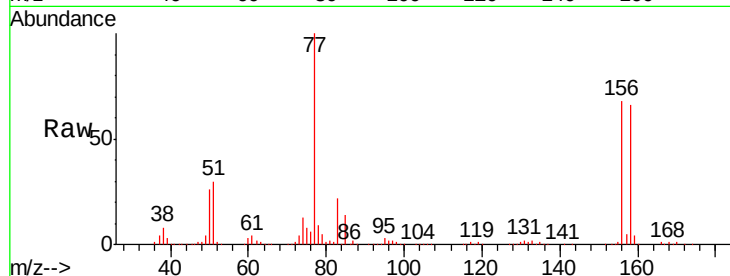
ClientSampleId :

VSTDCCC050

Tgt Ion:	156	Resp:	184459
Ion Ratio	Lower	Upper	
156	100		
77	146.6	73.4	220.2
158	97.5	49.1	147.4

Manual Integrations
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#78

n-propylbenzene

Concen: 57.96 ug/l

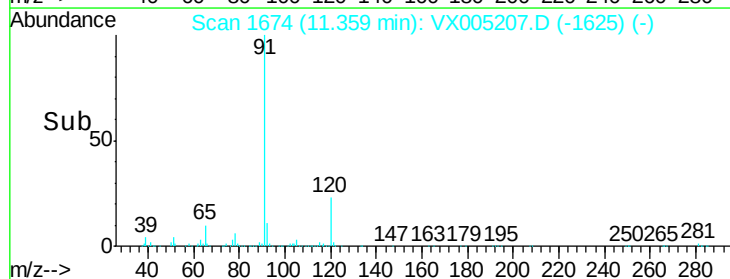
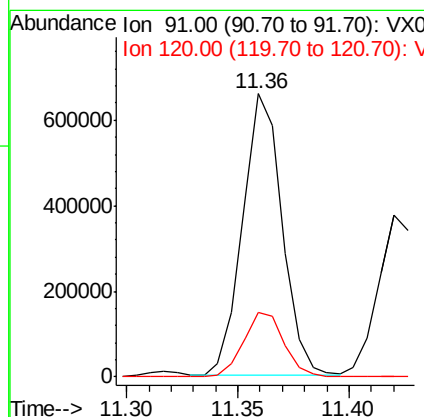
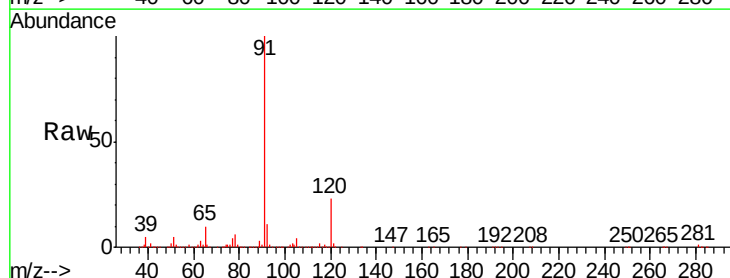
RT: 11.36 min Scan# 1674

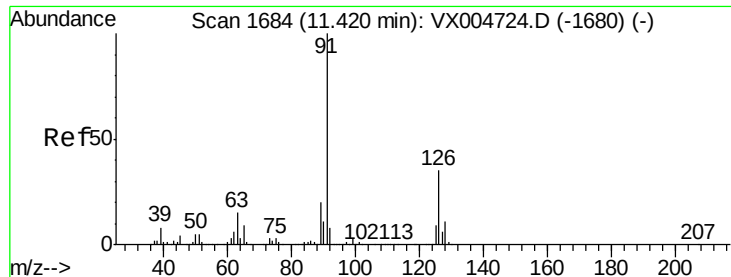
Delta R.T. 0.00 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

Tgt Ion:	91	Resp:	817883
Ion Ratio	Lower	Upper	
91	100		
120	23.7	12.0	36.0





#79

2-Chlorotoluene

Concen: 54.66 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 480796

Ion Ratio Lower Upper

91 100

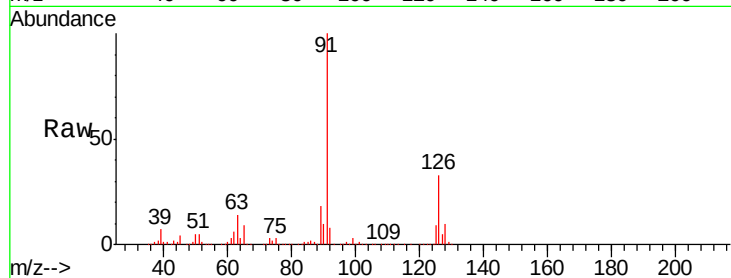
126 34.6 17.6 52.9

Manual Integrations

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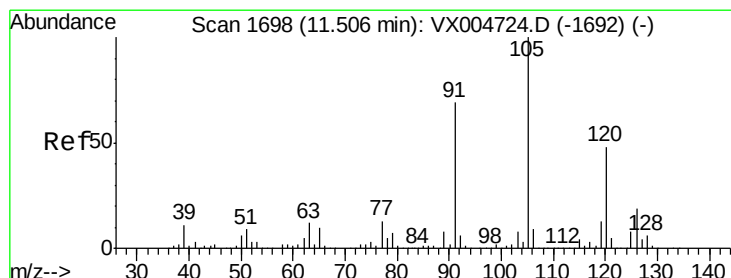
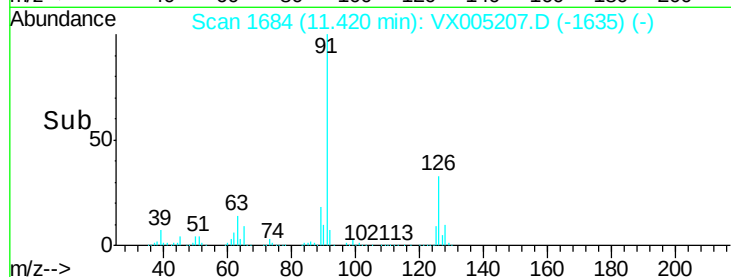
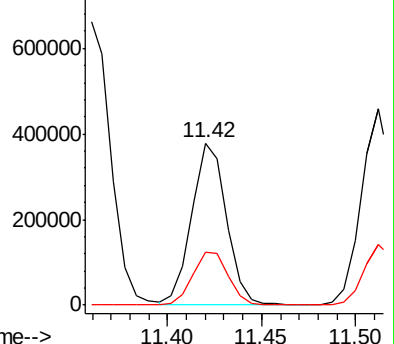
MMDadoda

10/12/2018 11:44:59 AM



Abundance Ion 91.00 (90.70 to 91.70): VX004724.D (-1680) (-)

Ion 125.90 (125.60 to 126.60): VX004724.D (-1680) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.42 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005207.D

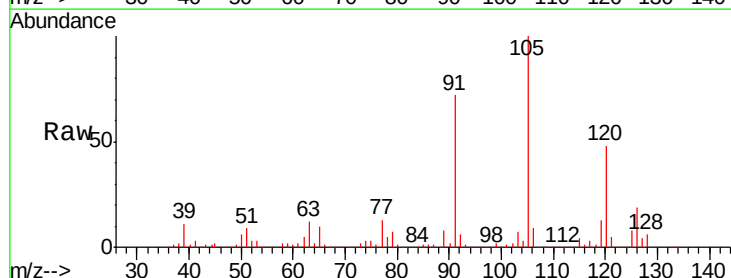
Acq: 10 Oct 2018 15:33

Tgt Ion: 105 Resp: 602005

Ion Ratio Lower Upper

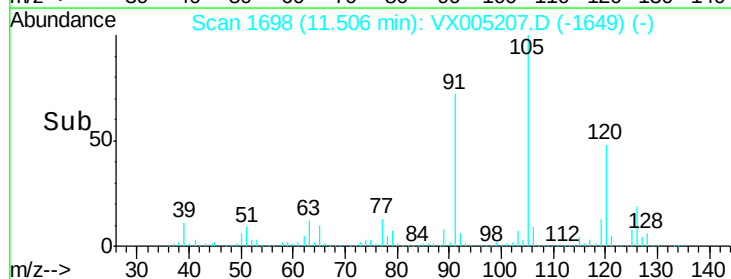
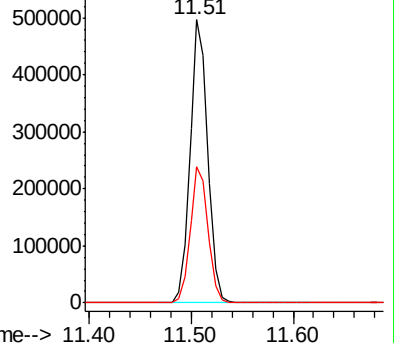
105 100

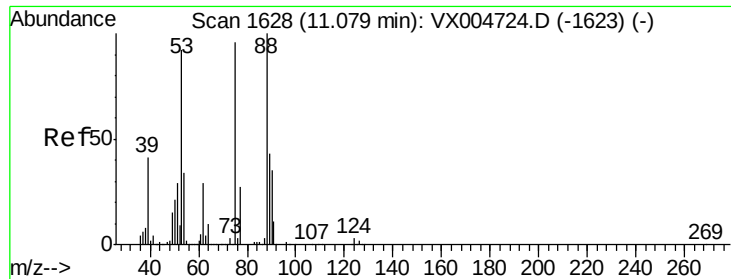
120 48.4 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VX004724.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX004724.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 45.54 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

Instrument :

MSVOA_X

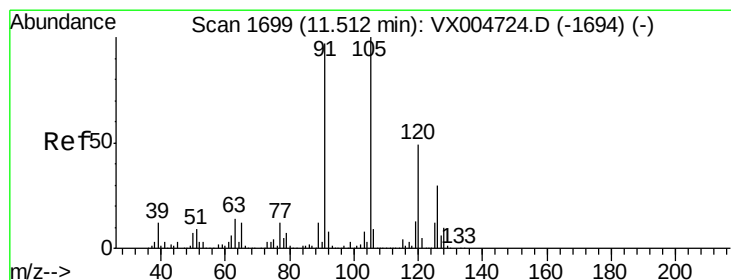
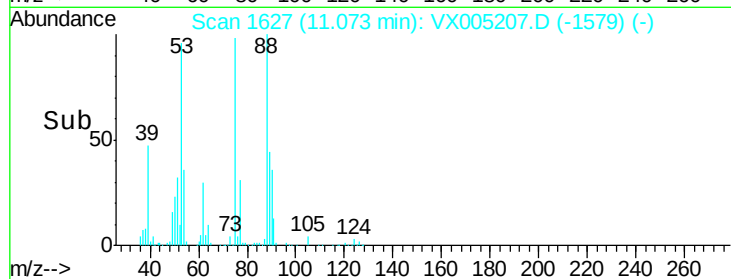
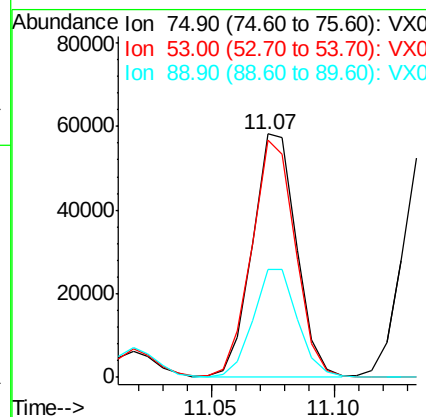
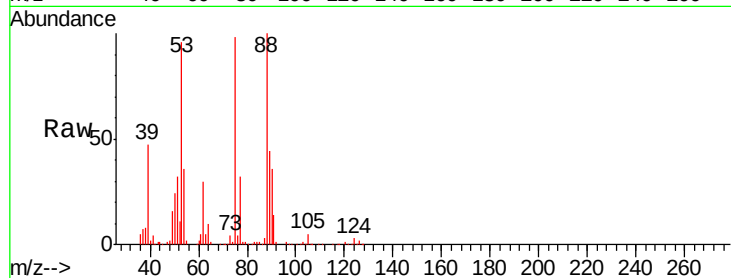
ClientSampleId :

VSTDCCC050

Tgt Ion:	75	Resp:	72728
Ion	Ratio	Lower	Upper
75	100		
53	97.3	80.2	120.4
89	45.6	37.1	55.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 55.58 ug/l

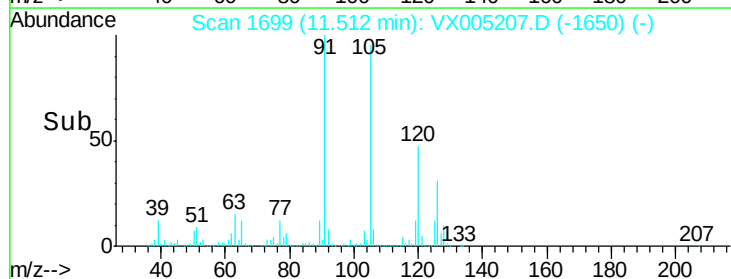
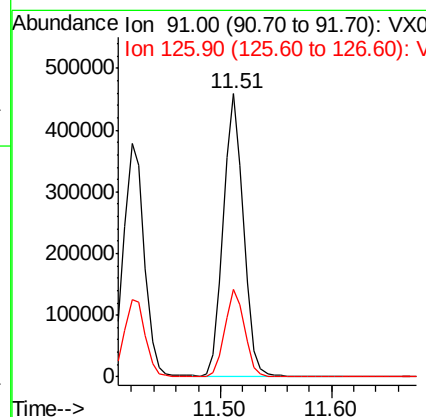
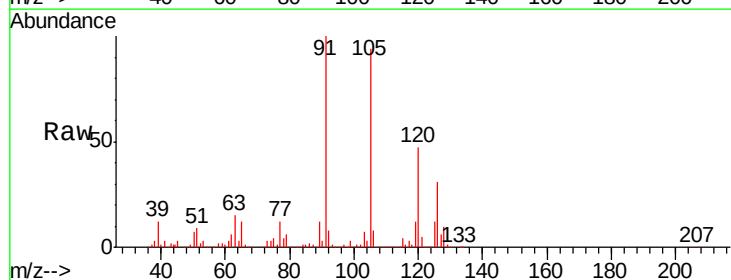
RT: 11.51 min Scan# 1699

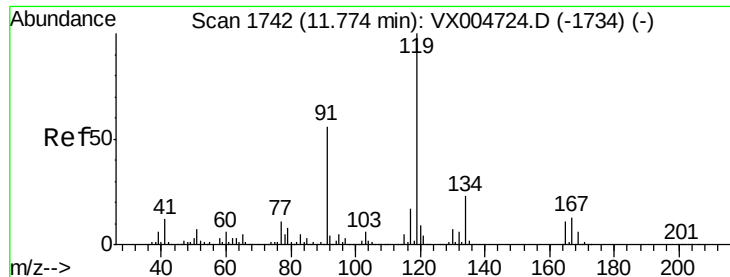
Delta R.T. 0.00 min

Lab File: VX005207.D

Acq: 10 Oct 2018 15:33

Tgt Ion:	91	Resp:	575414
Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.5	46.5





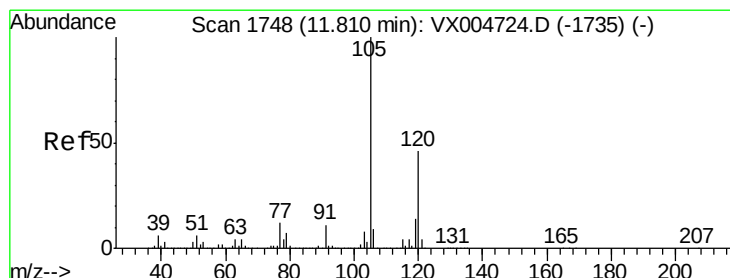
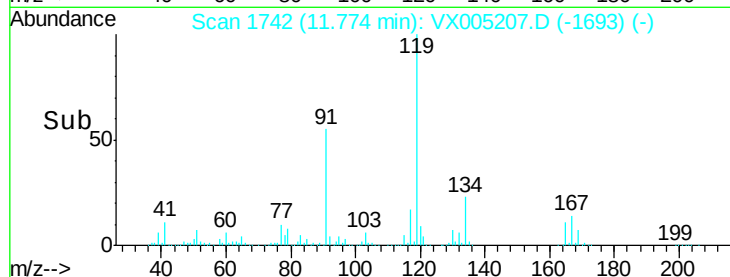
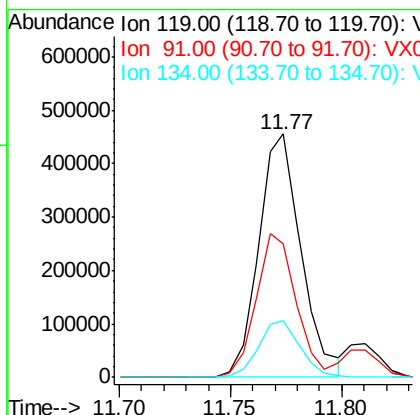
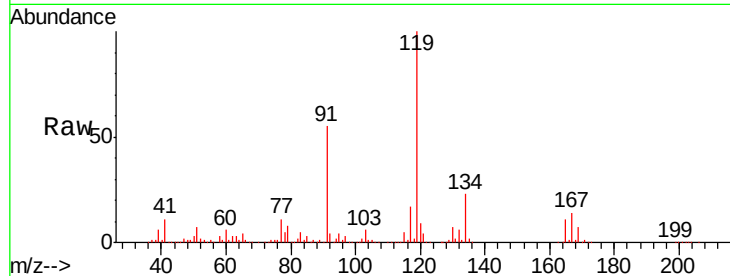
#83
 tert-Butylbenzene
 Concen: 59.62 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005207.D
 Acq: 10 Oct 2018 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
119	100		
91	55.6	27.5	82.5
134	22.7	11.5	34.4

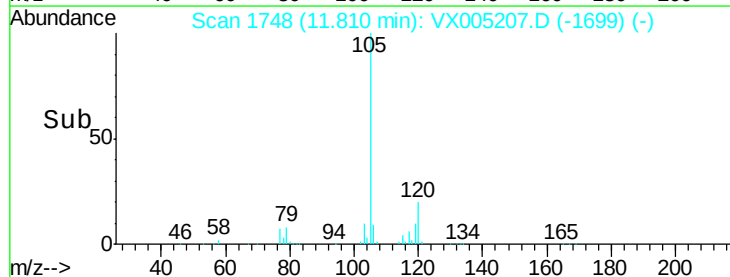
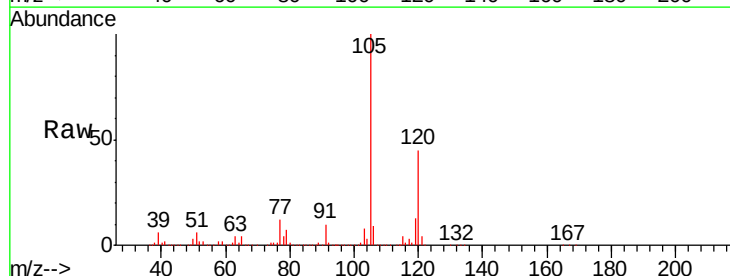
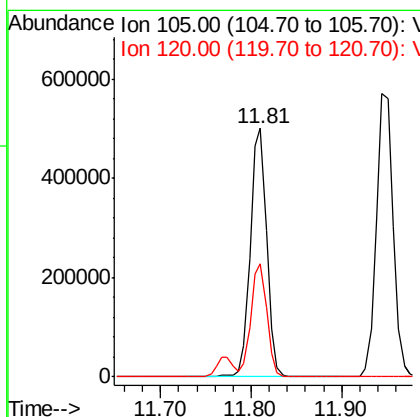
Manual Integrations
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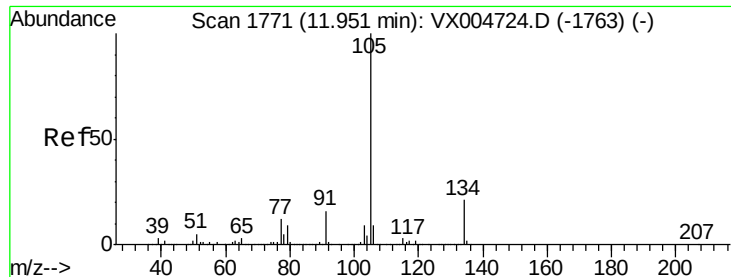
MMDadoda
 10/12/2018 11:44:59 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.73 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005207.D
 Acq: 10 Oct 2018 15:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.8	68.3





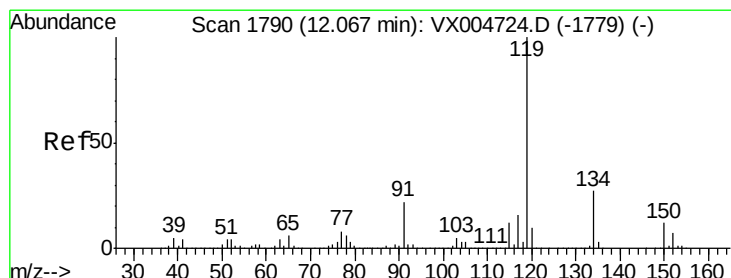
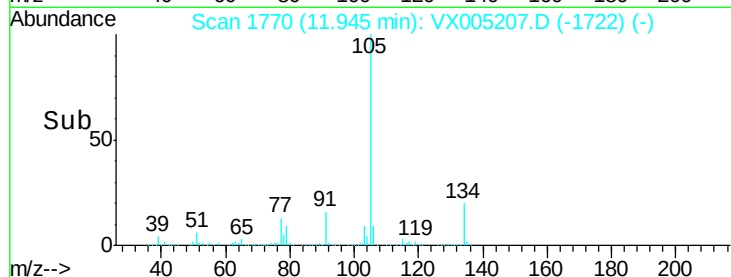
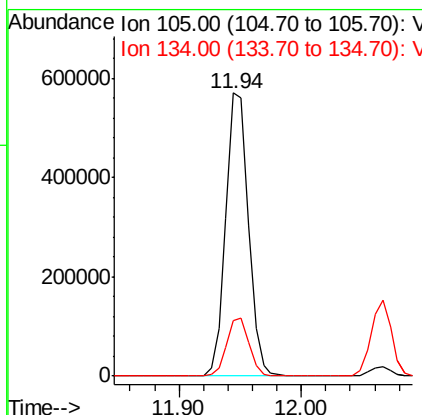
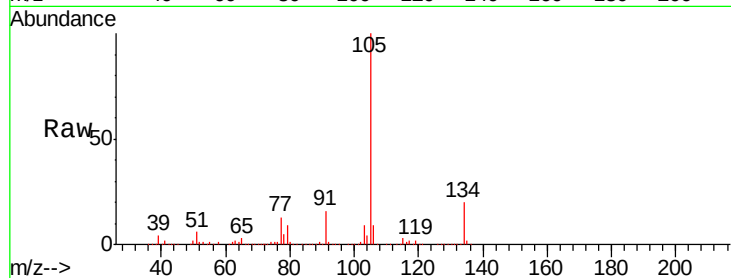
#85
 sec-Butylbenzene
 Concen: 59.10 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: VX005207.D
 Acq: 10 Oct 2018 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	728985		
134	20.4	10.2	30.4	

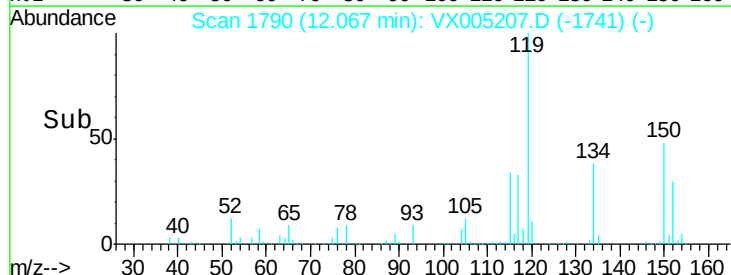
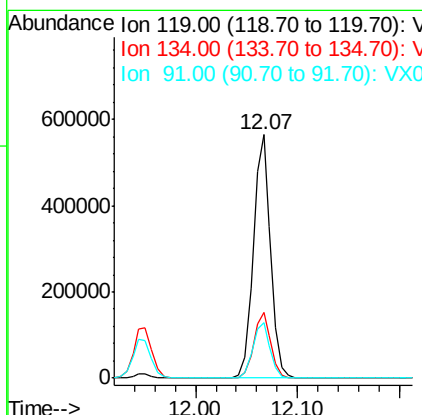
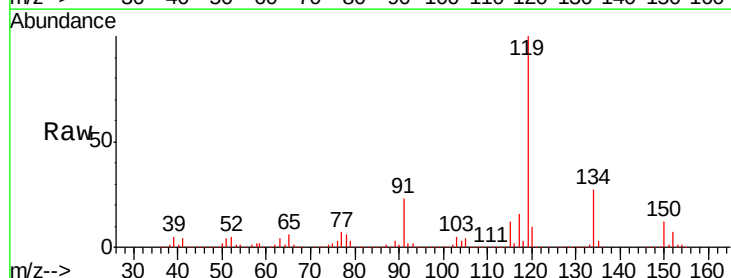
Manual Integrations
 APPROVED

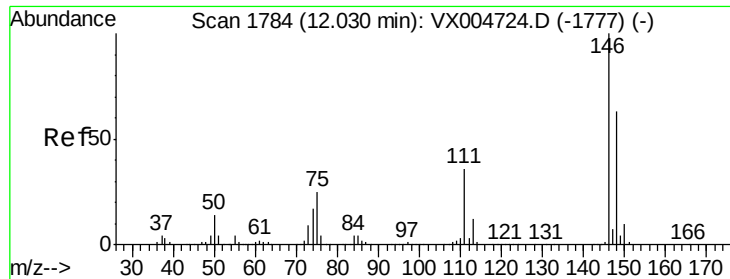
MMDadoda
 10/12/2018 11:44:59 AM



#86
 p-Isopropyltoluene
 Concen: 59.35 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005207.D
 Acq: 10 Oct 2018 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	663267		
134	26.7	13.4	40.1	
91	22.9	11.5	34.4	





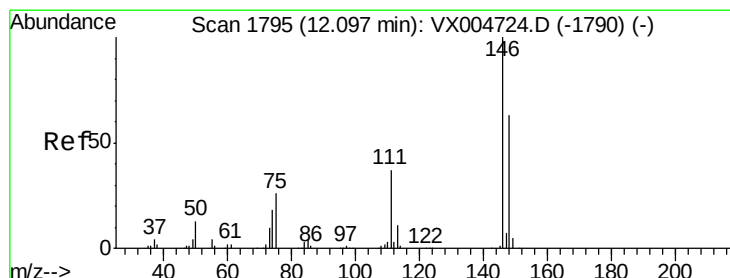
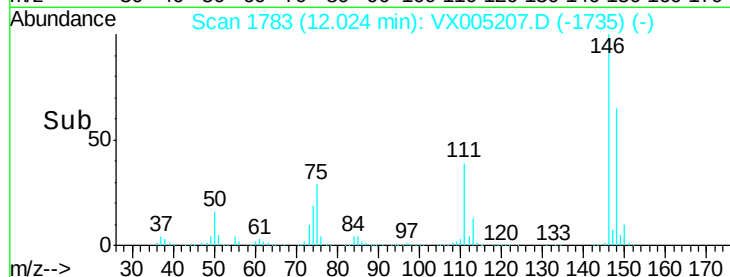
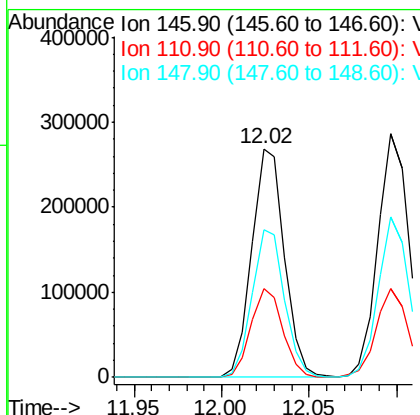
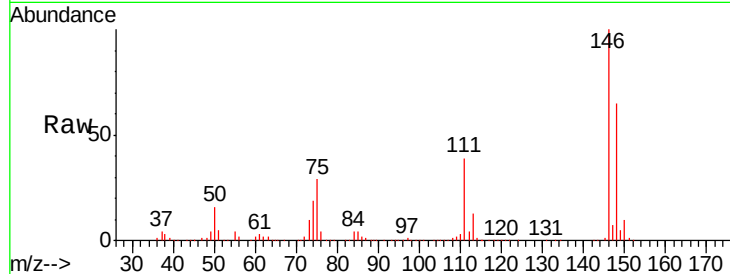
#87
 1,3-Dichlorobenzene
 Concen: 52.31 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX005207.D
 Acq: 10 Oct 2018 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	348966		
111	38.3	18.9	56.9	
148	64.3	31.8	95.3	

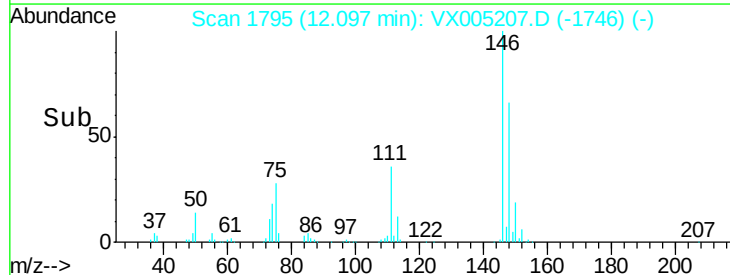
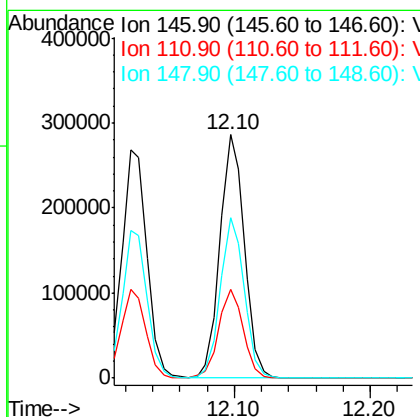
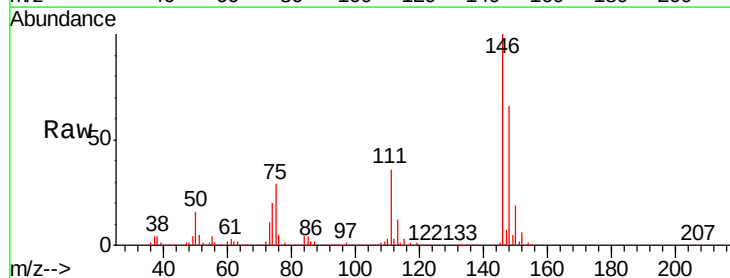
Manual Integrations
 APPROVED

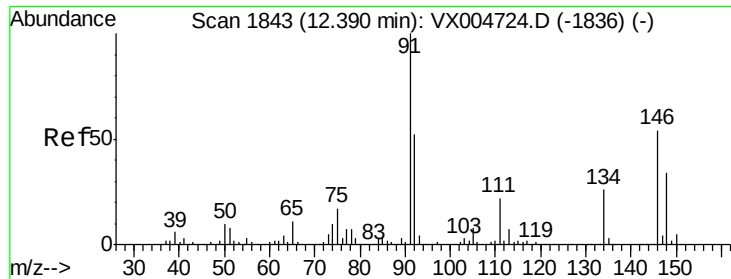
MMDadoda
 10/12/2018 11:44:59 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.78 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005207.D
 Acq: 10 Oct 2018 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	356548		
111	36.8	18.4	55.2	
148	64.8	32.0	96.0	





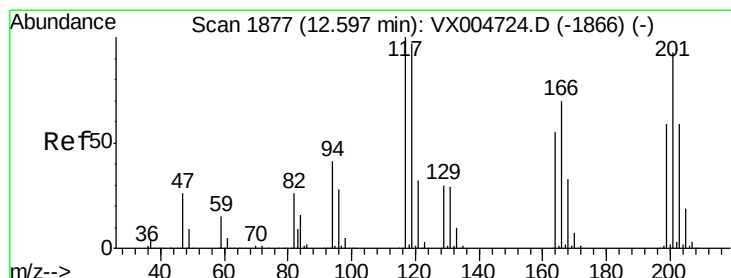
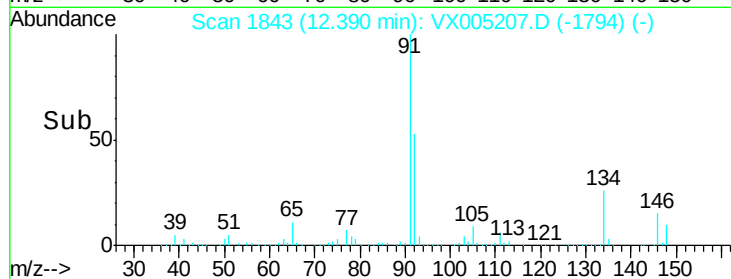
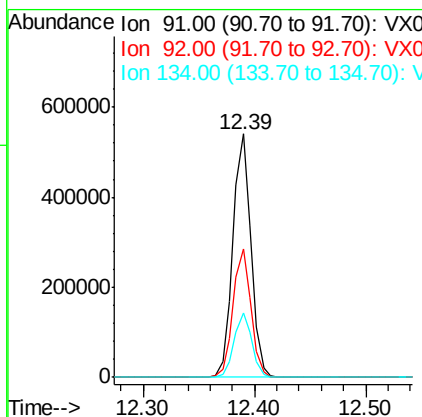
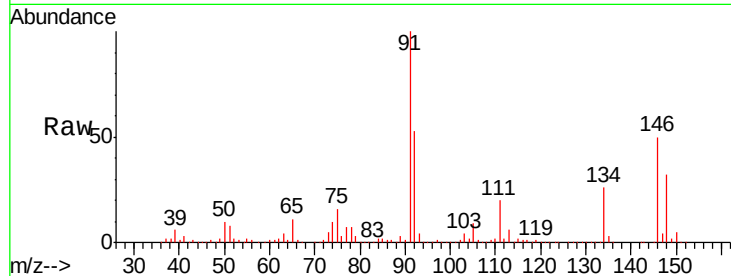
#89
n-Butylbenzene
Concen: 59.58 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.0	78.0
134	26.3	13.2	39.6

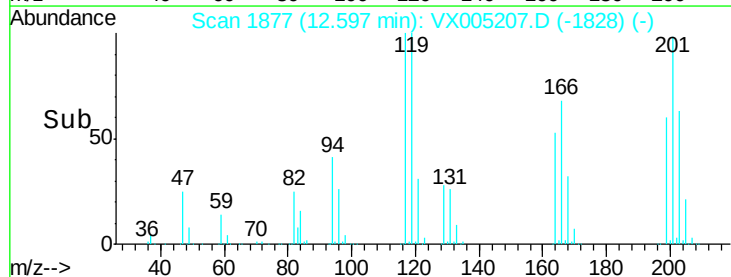
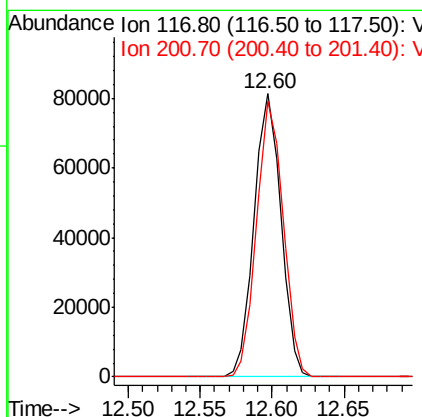
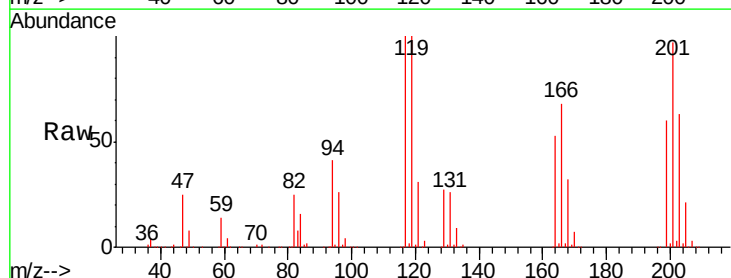
Manual Integrations
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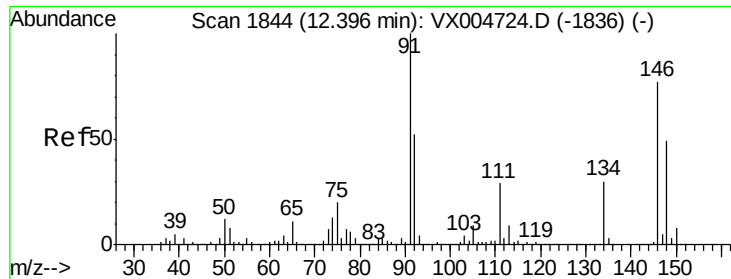
MMDadoda
10/12/2018 11:44:59 AM



#90
Hexachloroethane
Concen: 56.06 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.7	48.4	145.0





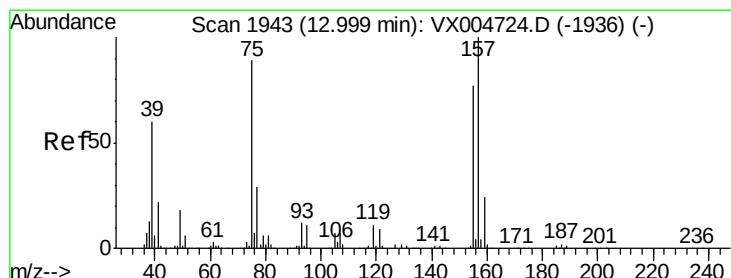
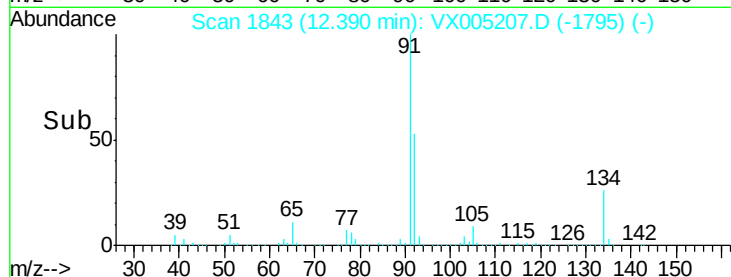
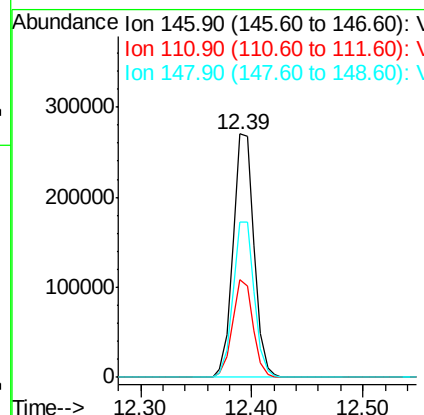
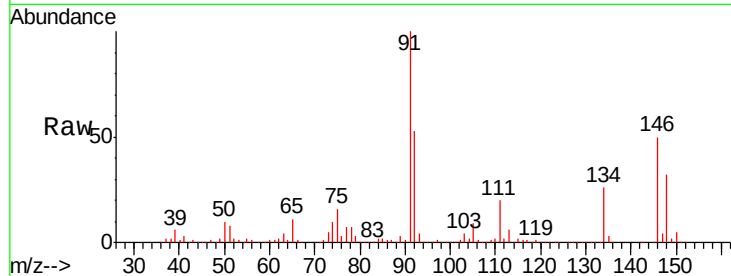
#91
 1,2-Dichlorobenzene
 Concen: 50.36 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX005207.D
 Acq: 10 Oct 2018 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.6	58.7
148	64.3	31.8	95.4

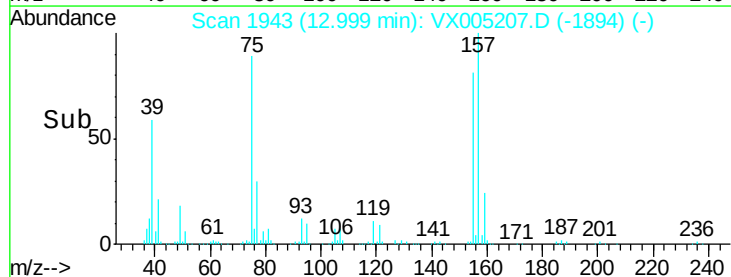
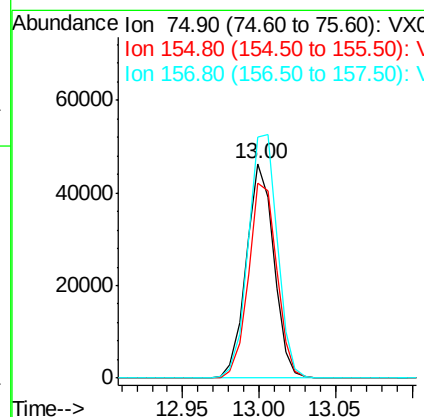
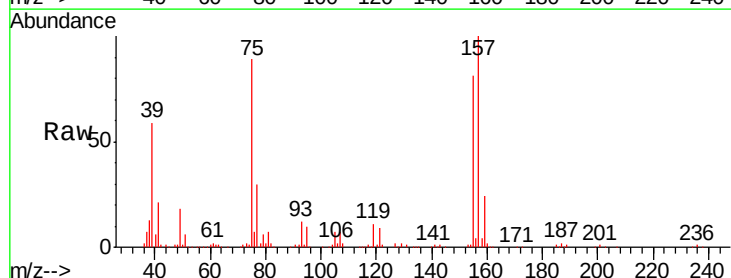
Manual Integrations
 APPROVED

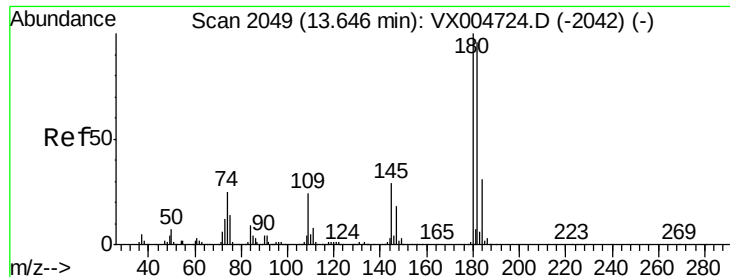
MMDadoda
 10/12/2018 11:44:59 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.70 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX005207.D
 Acq: 10 Oct 2018 15:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.0	46.1	138.3
157	119.8	60.2	180.6





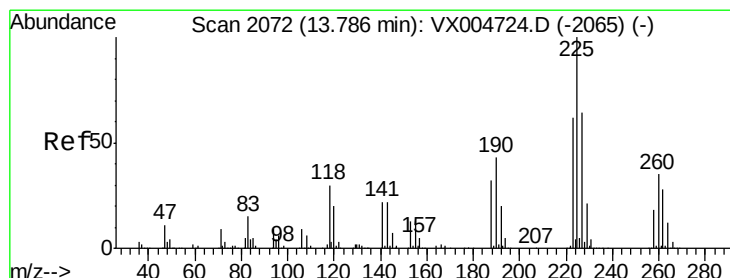
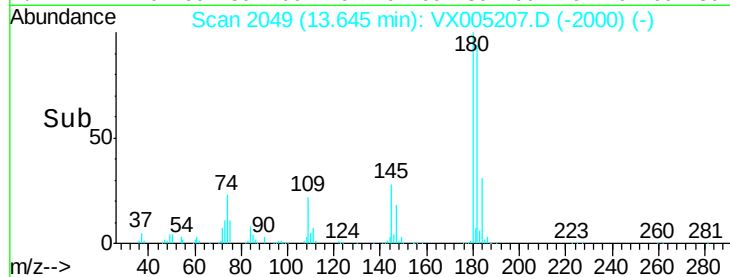
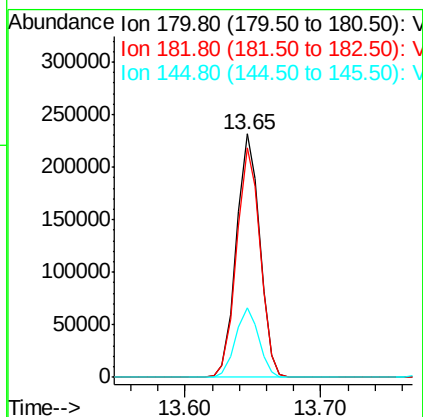
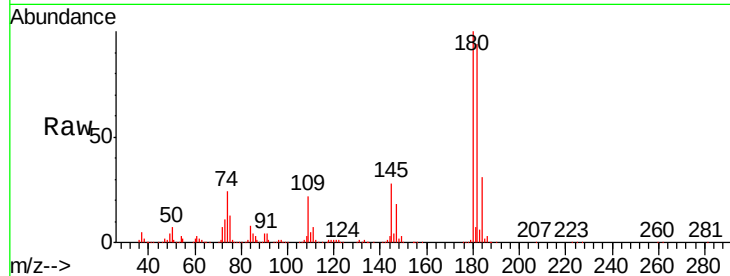
#93
 1,2,4-Trichlorobenzene
 Concen: 56.75 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005207.D
 Acq: 10 Oct 2018 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	277538		
182	94.7	47.8	143.4	
145	28.2	14.1	42.4	

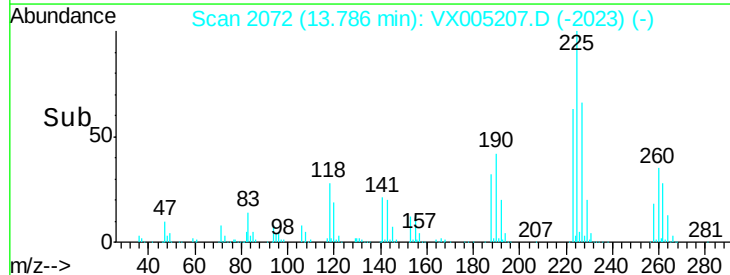
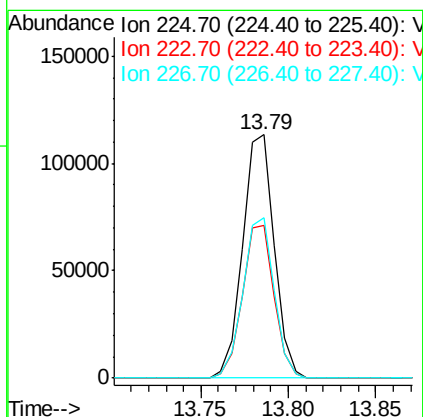
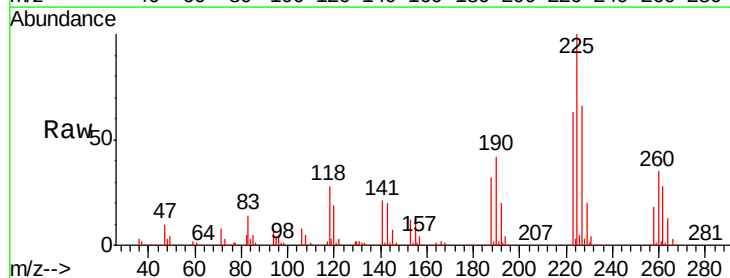
Manual Integrations
 APPROVED

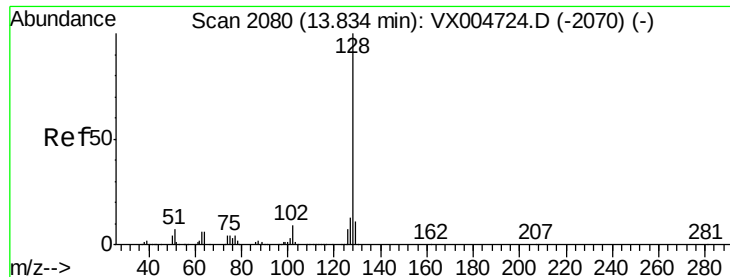
MMDadoda
 10/12/2018 11:44:59 AM



#94
 Hexachlorobutadiene
 Concen: 56.03 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005207.D
 Acq: 10 Oct 2018 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	142085		
223	62.9	31.3	93.8	
227	64.9	31.9	95.5	





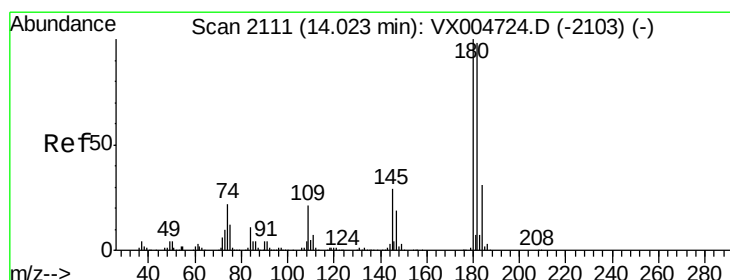
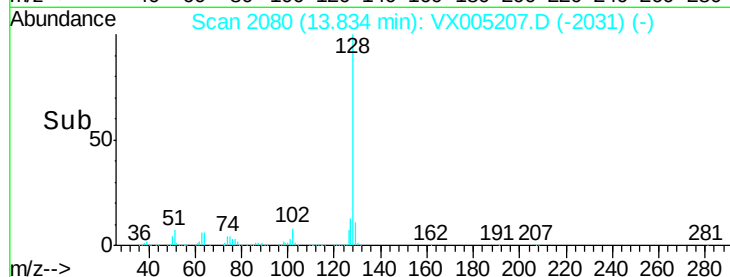
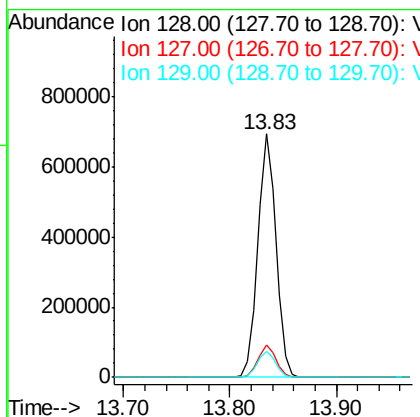
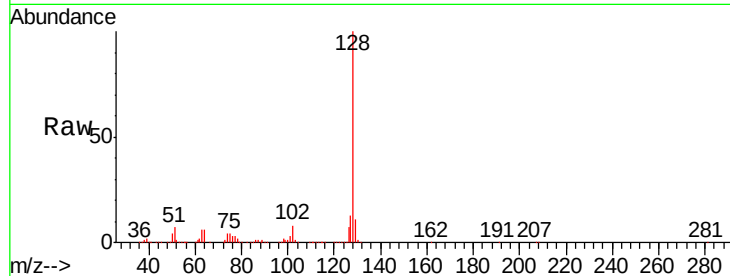
#95
Naphthalene
Concen: 51.22 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	831678		
127	13.0		10.4	15.6
129	10.8		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/12/2018 11:44:59 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.89 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005207.D
Acq: 10 Oct 2018 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	277271		
182	95.9		47.9	143.8
145	29.9		15.0	45.0

