

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010819\
 Data File : VX006950.D
 Acq On : 08 Jan 2019 12:25
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 1/9/2019 10:24:56 AM

Quant Time: Jan 08 13:18:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 13:13:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	584076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	866054	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	784381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	396034	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	118477	18.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.64%	
35) Dibromofluoromethane	5.51	113	104102	19.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.02%	
50) Toluene-d8	8.71	98	394105	19.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.18%	
62) 4-Bromofluorobenzene	11.14	95	136694	18.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	103958	19.456	ug/l	97
3) Chloromethane	1.33	50	116358	20.213	ug/l	99
4) Vinyl Chloride	1.41	62	121892	20.274	ug/l	98
5) Bromomethane	1.64	94	124814	19.093	ug/l	97
6) Chloroethane	1.72	64	76963	18.488	ug/l	99
7) Trichlorofluoromethane	1.93	101	186634	19.911	ug/l	96
8) Diethyl Ether	2.19	74	72552	19.487	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	109740	19.939	ug/l	99
10) Methyl Iodide	2.51	142	151835	19.273	ug/l	99
11) Tert butyl alcohol	3.07	59	142678	101.561	ug/l	98
12) 1,1-Dichloroethene	2.37	96	100944	19.343	ug/l	99
13) Acrolein	2.29	56	58552	61.782	ug/l	98
14) Allyl chloride	2.73	41	175517	19.981	ug/l	97
15) Acrylonitrile	3.15	53	320965	102.899	ug/l	99
16) Acetone	2.45	43	291251	100.706	ug/l	100
17) Carbon Disulfide	2.57	76	249171	18.042	ug/l	99
18) Methyl Acetate	2.78	43	162972	19.164	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	354656	20.476	ug/l	99
20) Methylene Chloride	2.86	84	119365	19.960	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	110664	19.139	ug/l	99
22) Diisopropyl ether	3.87	45	329388	20.497	ug/l	96
23) Vinyl Acetate	3.82	43	1394576	106.094	ug/l	98
24) 1,1-Dichloroethane	3.70	63	185401	19.327	ug/l	98
25) 2-Butanone	4.70	43	424640	104.384	ug/l	100
26) 2,2-Dichloropropane	4.59	77	138312	18.665	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	125262	19.635	ug/l	99
28) Bromochloromethane	5.03	49	82159	18.628	ug/l	100
29) Tetrahydrofuran	5.15	42	271048	101.161	ug/l	98
30) Chloroform	5.21	83	197225	19.853	ug/l	99
31) Cyclohexane	5.58	56	161535	18.535	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	163936	19.544	ug/l	98
36) 1,1-Dichloropropene	5.80	75	144867	20.196	ug/l	99
37) Ethyl Acetate	4.85	43	158437	21.222	ug/l	98
38) Carbon Tetrachloride	5.79	117	139533	20.016	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	179100	18.966	ug/l	98
40) Benzene	6.14	78	439565	20.160	ug/l	100
41) Methacrylonitrile	5.06	41	90683	22.878	ug/l	96
42) 1,2-Dichloroethane	6.20	62	149923	20.179	ug/l	99
43) Isopropyl Acetate	6.46	43	242665	21.362	ug/l	98
44) Trichloroethene	7.21	130	126773	19.210	ug/l	97
45) 1,2-Dichloropropane	7.51	63	112900	21.278	ug/l	96
46) Dibromomethane	7.66	93	78863	20.207	ug/l	99
47) Bromodichloromethane	7.90	83	128691	19.862	ug/l	96
48) Methyl methacrylate	7.77	41	124845	21.612	ug/l	98
49) 1,4-Dioxane	7.75	88	61254	374.774	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	816596	112.982	ug/l	99
52) Toluene	8.79	92	285836	20.292	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	141711	20.393	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	160437	21.041	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	118323	20.522	ug/l	99
56) Ethyl methacrylate	9.18	69	170597	20.935	ug/l	98
57) 1,3-Dichloropropane	9.37	76	187868	20.253	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	443959	102.491	ug/l	99
59) 2-Hexanone	9.49	43	616377	111.460	ug/l	98
60) Dibromochloromethane	9.59	129	110607	20.827	ug/l	98
61) 1,2-Dibromoethane	9.67	107	128133	20.906	ug/l	97
64) Tetrachloroethene	9.34	164	129126	20.790	ug/l	94
65) Chlorobenzene	10.14	112	328667	19.806	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	111693	21.573	ug/l	100
67) Ethyl Benzene	10.25	91	535358	19.743	ug/l	99
68) m/p-Xylenes	10.36	106	419926	39.246	ug/l	98
69) o-Xylene	10.70	106	209430	19.821	ug/l	98
70) Styrene	10.71	104	332053	19.864	ug/l	99
71) Bromoform	10.85	173	78714	19.970	ug/l #	99
73) Isopropylbenzene	11.02	105	549449	20.280	ug/l	99
74) N-amyl acetate	10.90	43	217323	22.409	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	170646	21.178	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	158182m	21.492	ug/l	
77) Bromobenzene	11.26	156	149534	20.415	ug/l	98
78) n-propylbenzene	11.36	91	599446	20.092	ug/l	100
79) 2-Chlorotoluene	11.42	91	357467	19.771	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	453073	20.303	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	40441	19.682	ug/l	91
82) 4-Chlorotoluene	11.51	91	413707	19.948	ug/l	100
83) tert-Butylbenzene	11.77	119	453256	20.294	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	457345	19.484	ug/l	100
85) sec-Butylbenzene	11.94	105	539323	19.695	ug/l	100
86) p-Isopropyltoluene	12.07	119	483370	20.081	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	258928	19.614	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	263619	19.480	ug/l	98
89) n-Butylbenzene	12.39	91	400041	19.528	ug/l	99
90) Hexachloroethane	12.60	117	64691	19.729	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	255995	19.385	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	32564	19.532	ug/l	99

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ClientSampleId :
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QLast Update : Tue Jan 08 13:13:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	174263	19.130	ug/l	99
94) Hexachlorobutadiene	13.78	225	76929	17.917	ug/l	99
95) Naphthalene	13.83	128	541944	18.640	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	174406	18.544	ug/l	99

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

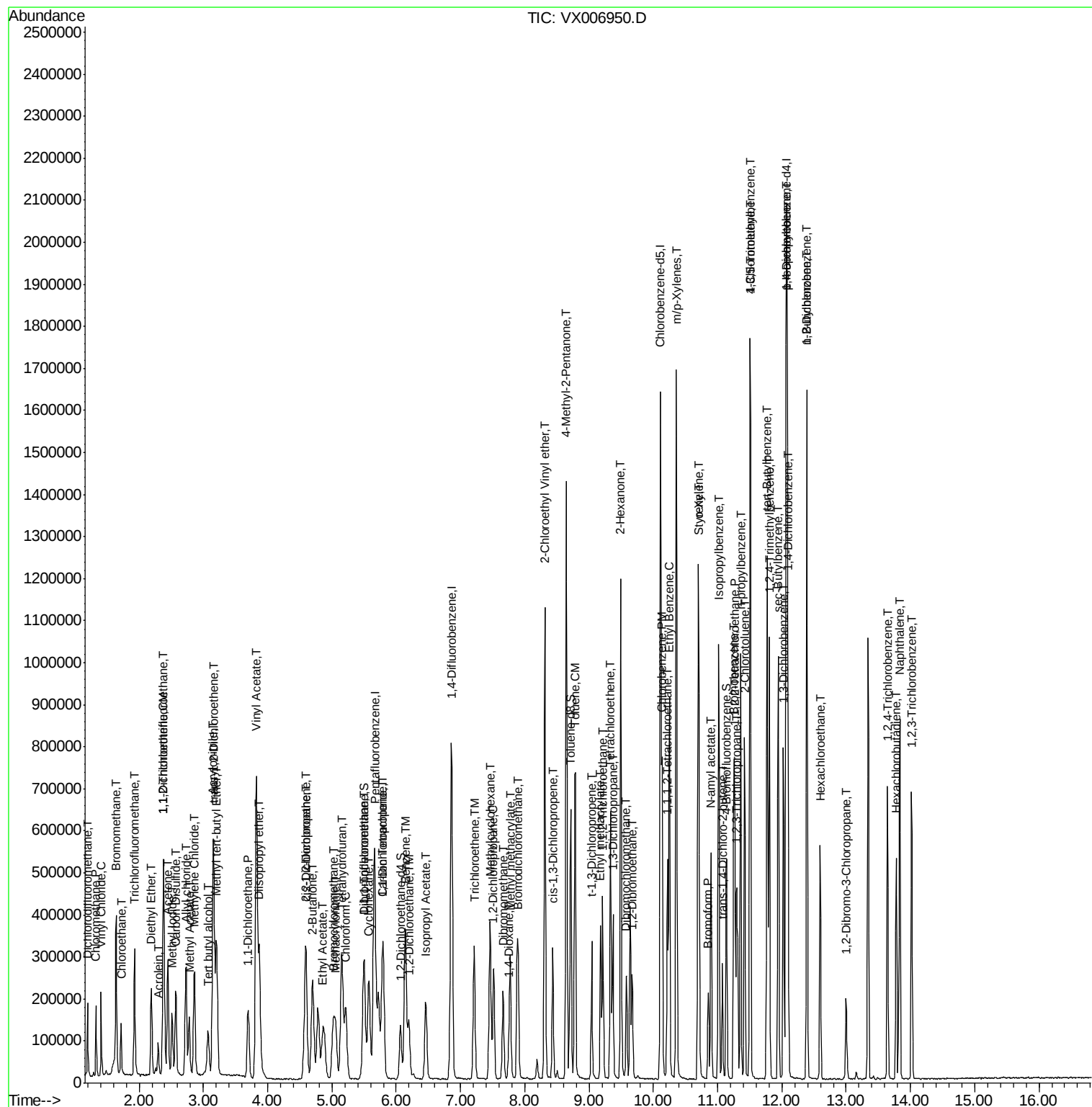
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Data File : VX006950.D
Acq On : 08 Jan 2019 12:25
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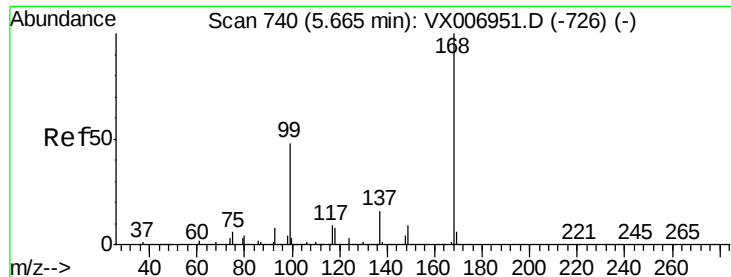
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 584076

Ion Ratio Lower Upper

168 100

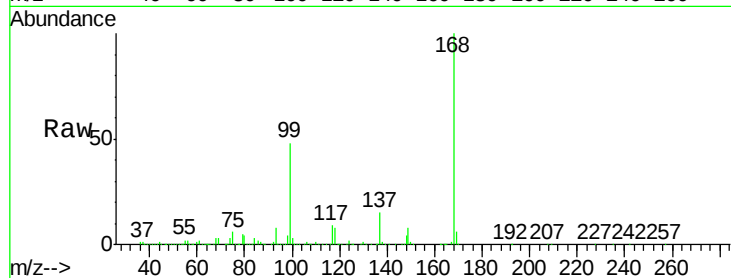
99 47.7 41.8 62.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

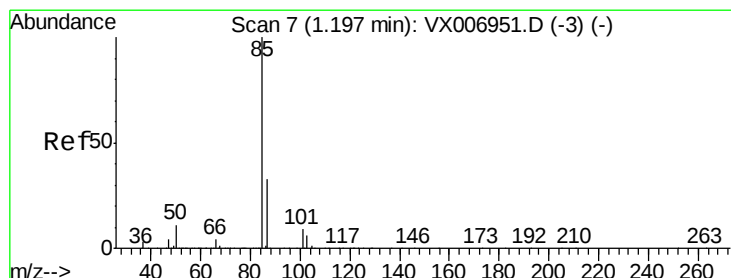
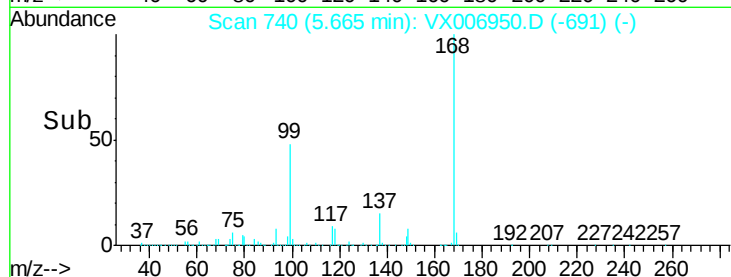
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.456 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006950.D

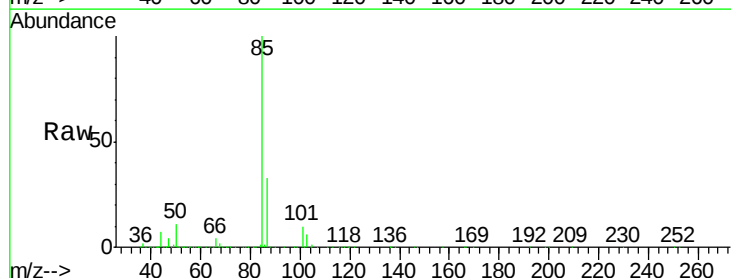
Acq: 08 Jan 2019 12:25

Tgt Ion: 85 Resp: 103958

Ion Ratio Lower Upper

85 100

87 33.4 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

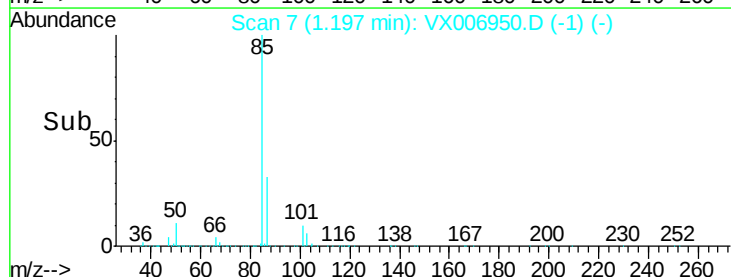
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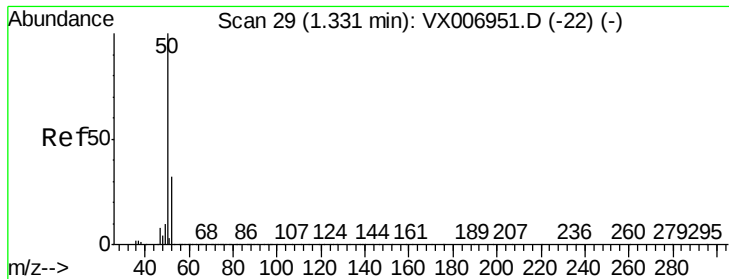
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20000

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Time-->





#3

Chloromethane

Concen: 20.213 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 50 Resp: 116358

Ion Ratio Lower Upper

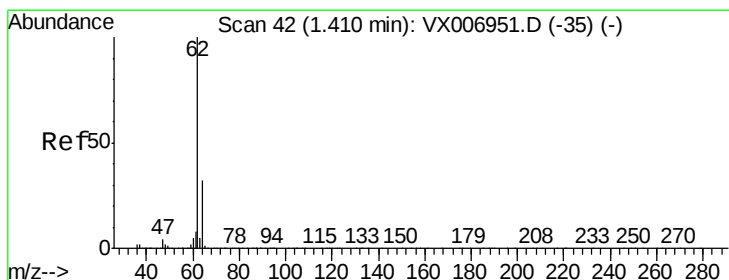
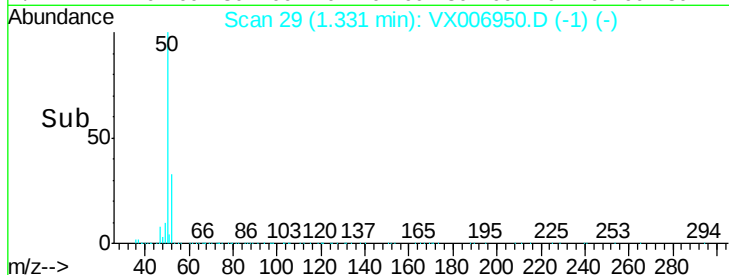
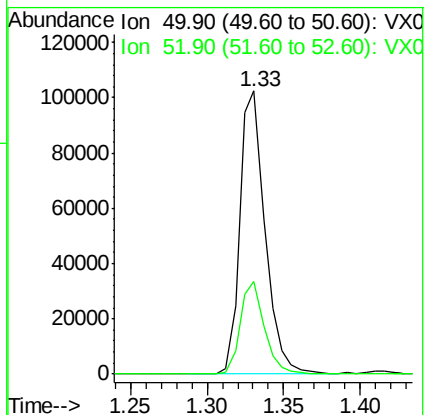
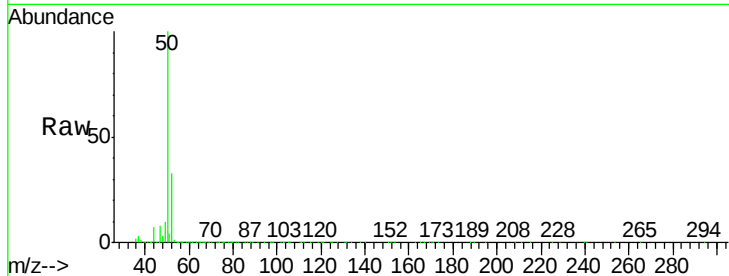
50 100

52 32.6 25.4 38.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.274 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006950.D

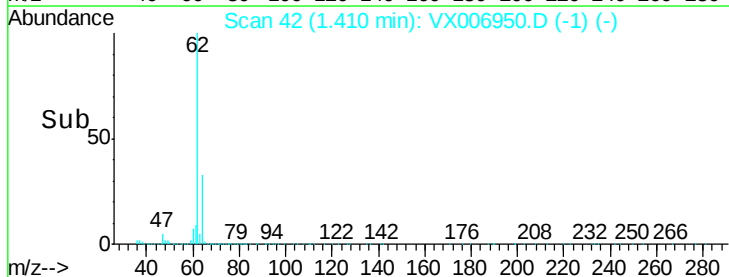
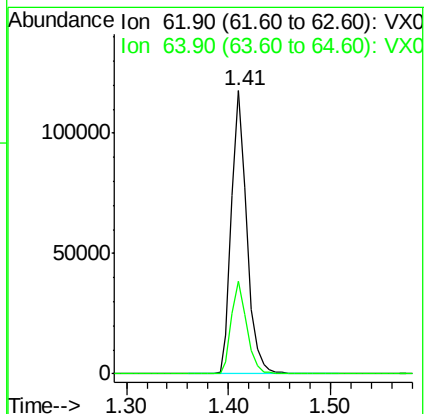
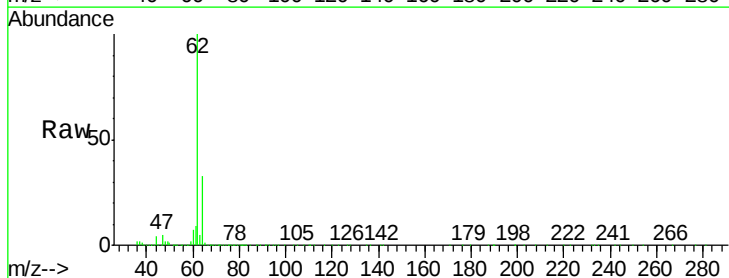
Acq: 08 Jan 2019 12:25

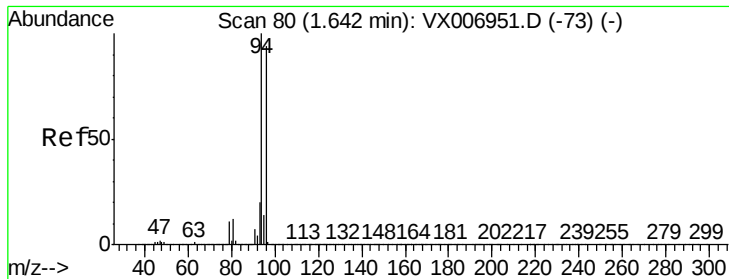
Tgt Ion: 62 Resp: 121892

Ion Ratio Lower Upper

62 100

64 32.7 25.1 37.7





#5

Bromomethane

Concen: 19.093 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 94 Resp: 124814

Ion Ratio Lower Upper

94 100

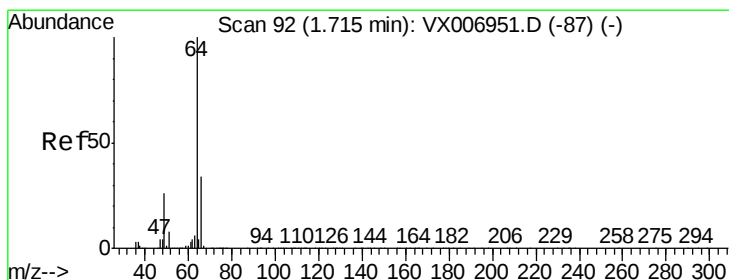
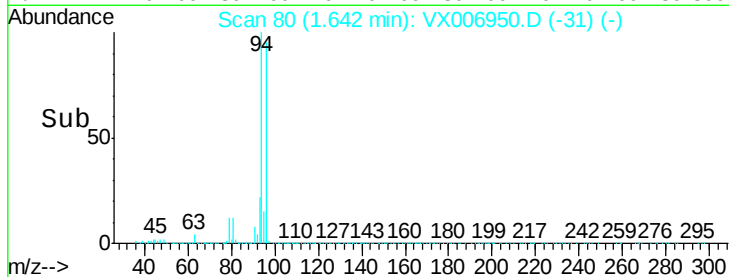
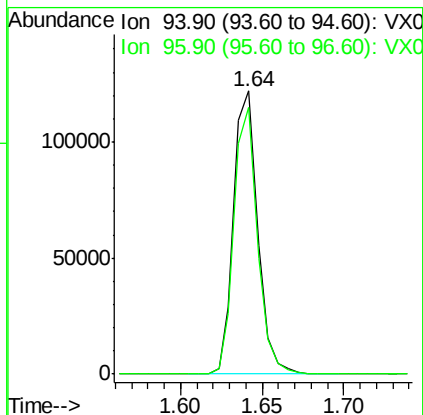
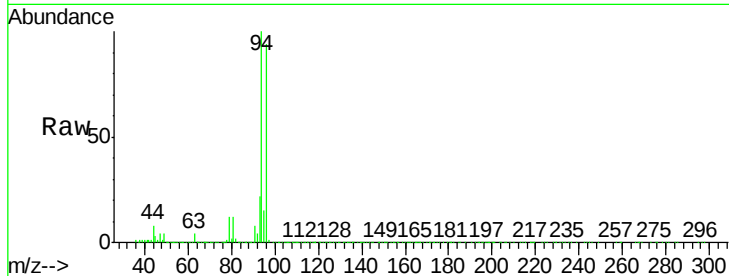
96 94.6 73.4 110.2

Manual Integrations

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#6

Chloroethane

Concen: 18.488 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006950.D

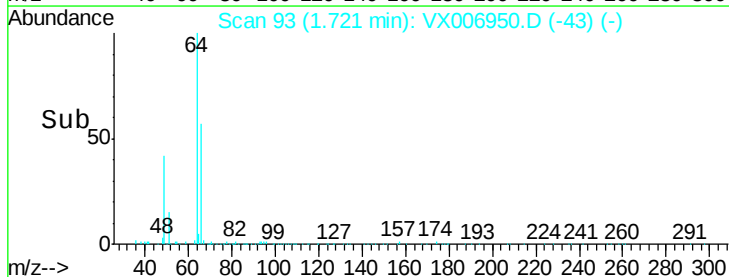
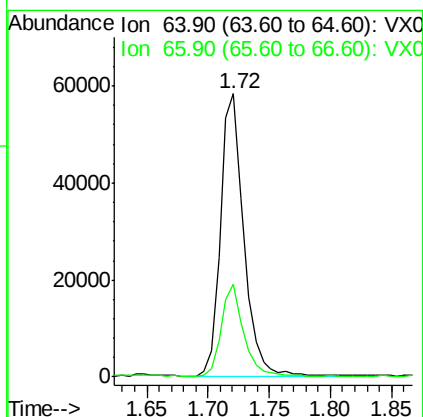
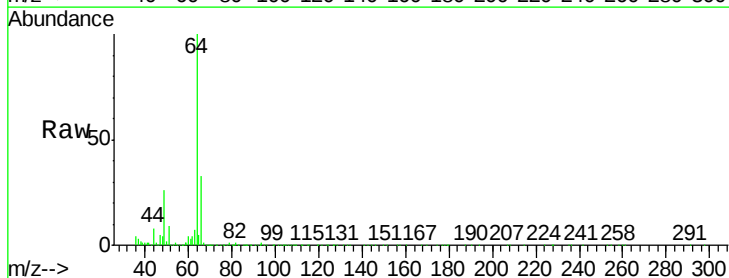
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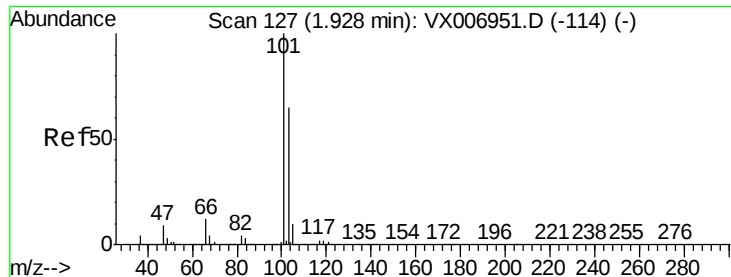
Tgt Ion: 64 Resp: 76963

Ion Ratio Lower Upper

64 100

66 32.7 26.4 39.6





#7

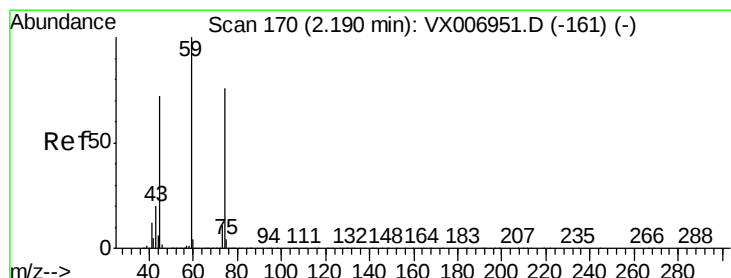
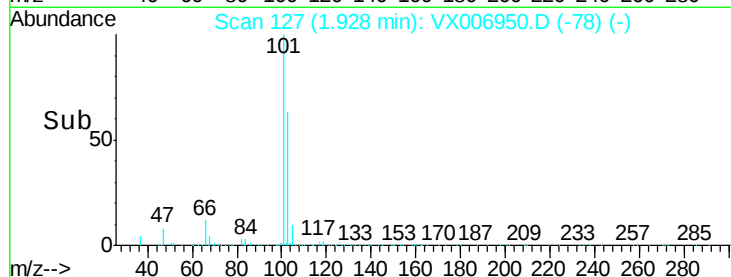
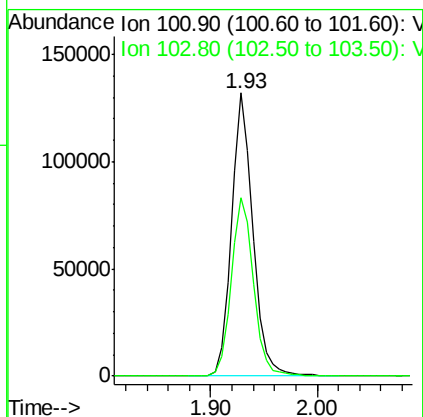
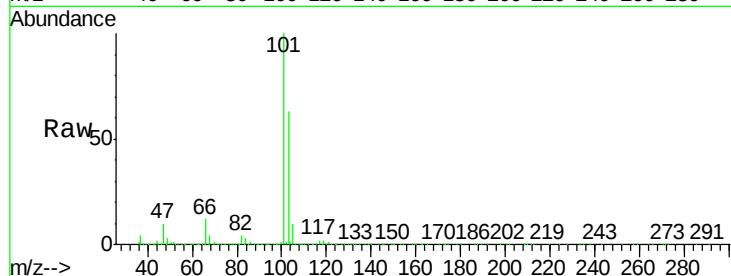
Trichlorofluoromethane
Concen: 19.911 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX006950.D
Acq: 08 Jan 2019 12:25

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	53.2	79.8

Manual Integrations
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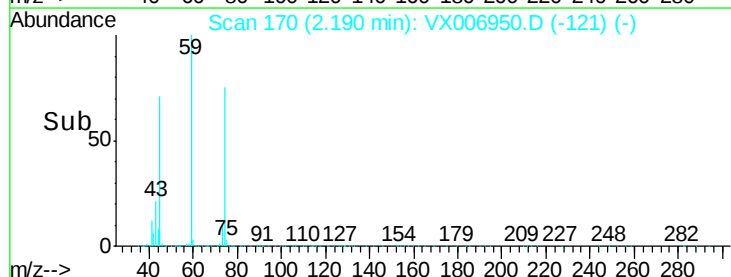
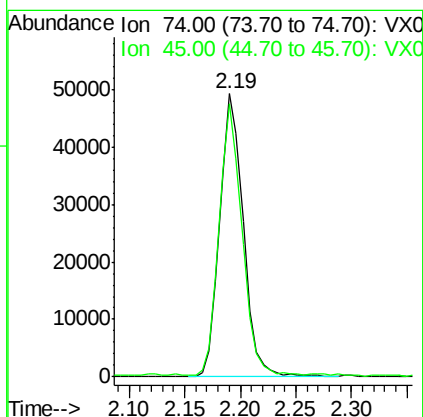
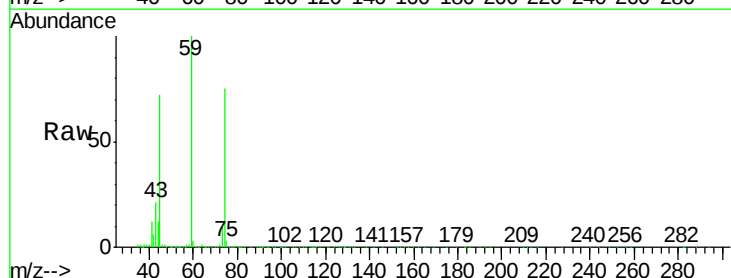
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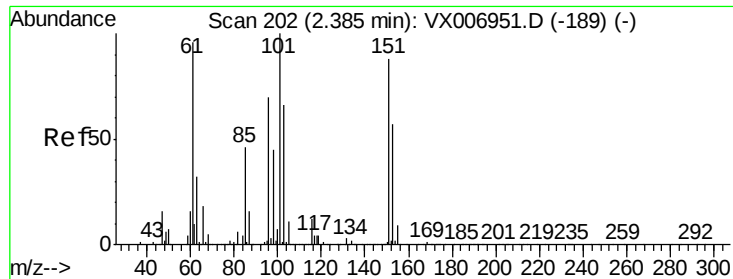


#8

Diethyl Ether
Concen: 19.487 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006950.D
Acq: 08 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.2	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.939 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Instrument :

MSVOA_X

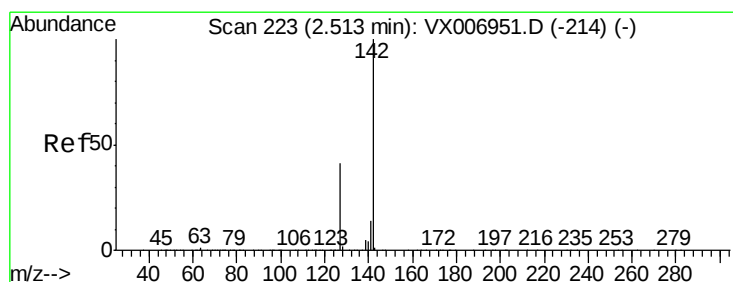
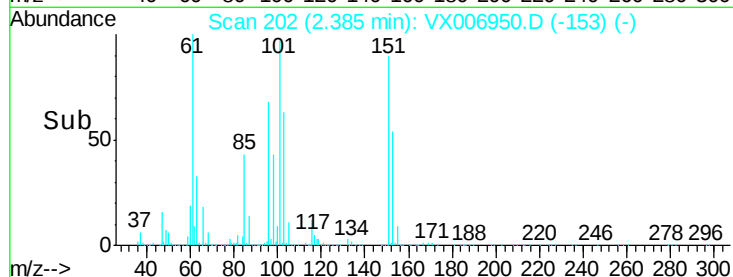
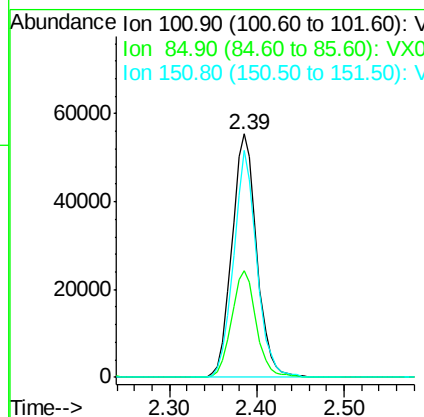
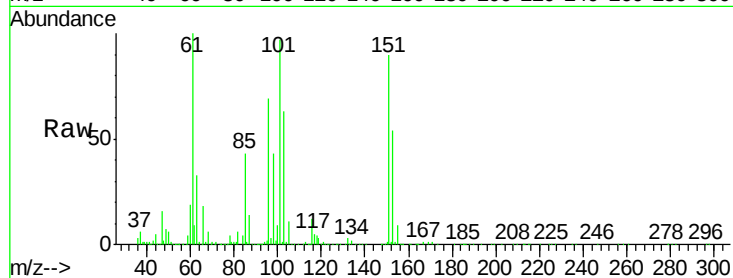
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	109740
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.1	52.7
151	87.1	68.9	103.3

Manual Integrations
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#10

Methyl Iodide

Concen: 19.273 ug/l

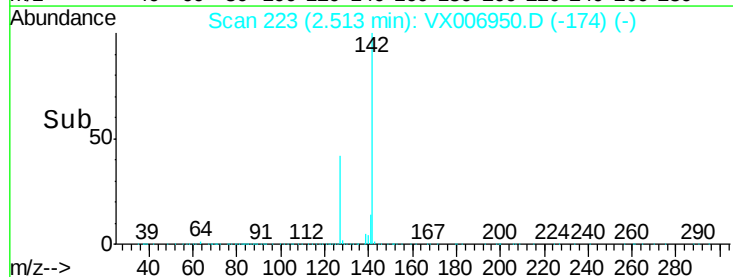
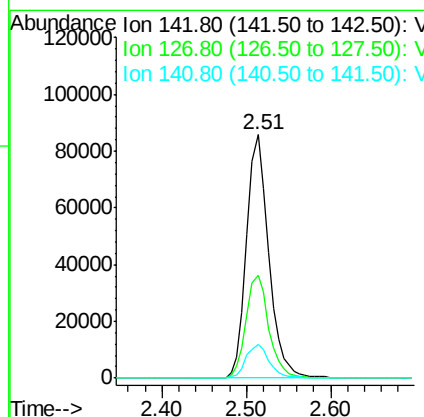
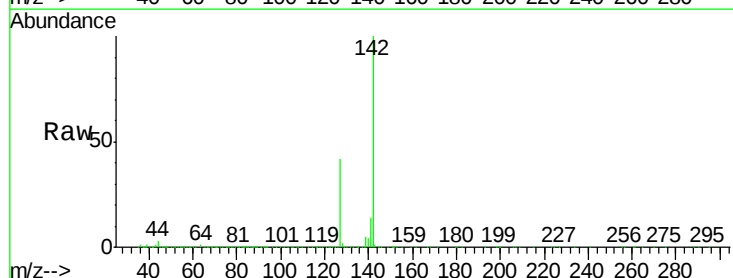
RT: 2.51 min Scan# 223

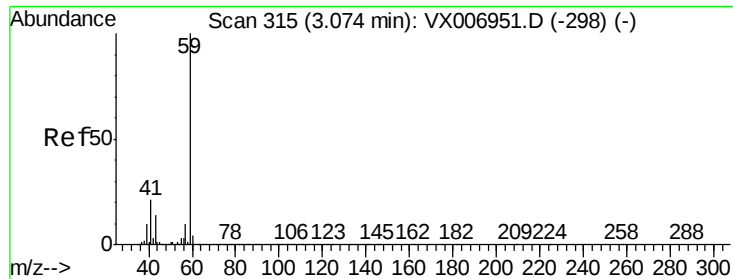
Delta R.T. 0.00 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Tgt Ion:	142	Resp:	151835
Ion Ratio	Lower	Upper	
142	100		
127	43.3	33.9	50.9
141	14.4	11.4	17.0





#11

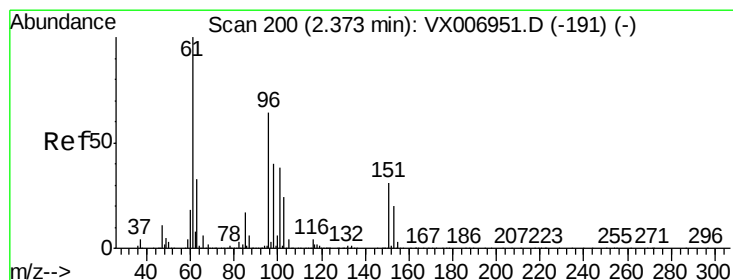
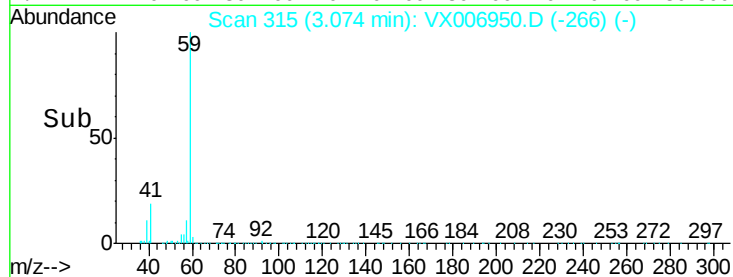
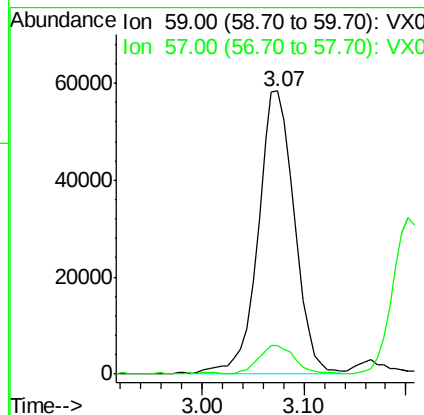
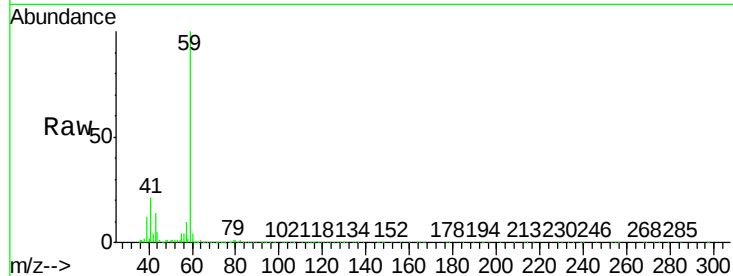
Tert butyl alcohol
 Concen: 101.561 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: VX006950.D
 Acq: 08 Jan 2019 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.5	12.7

Manual Integrations
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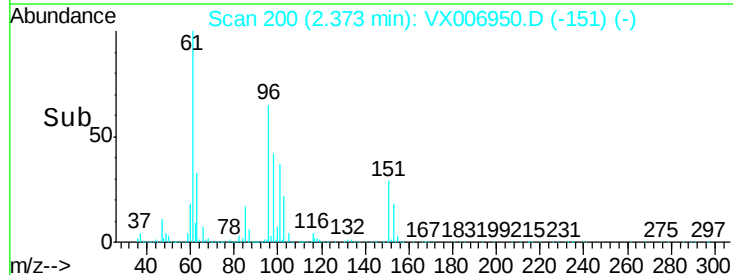
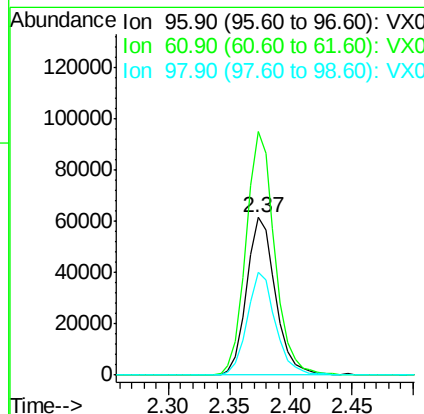
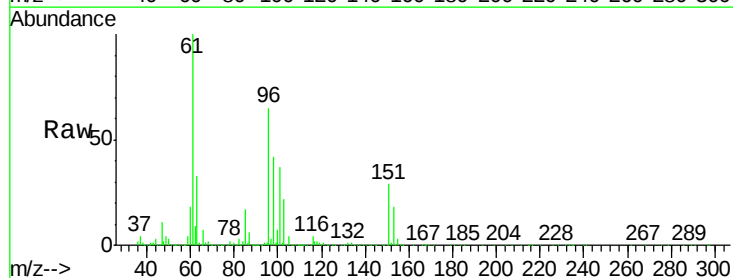
MMDadoda
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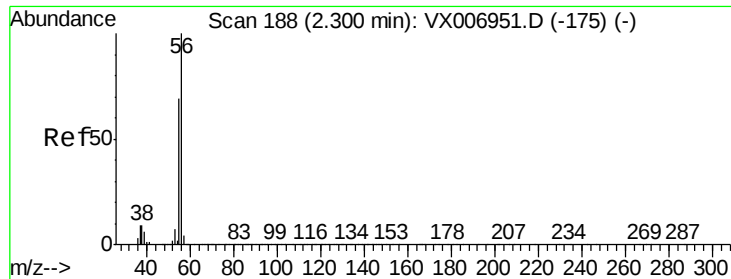


#12

1,1-Dichloroethene
 Concen: 19.343 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX006950.D
 Acq: 08 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.2	121.4	182.2
98	65.0	51.9	77.9





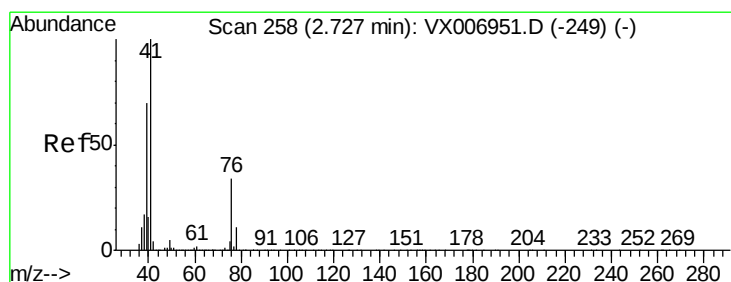
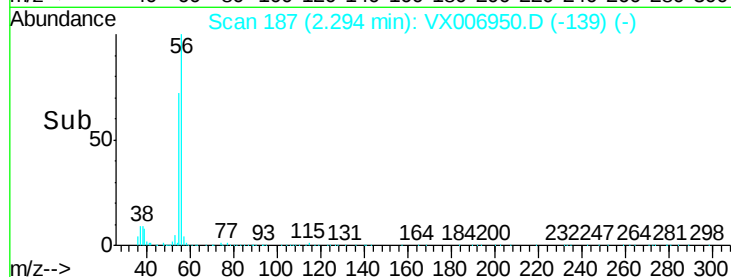
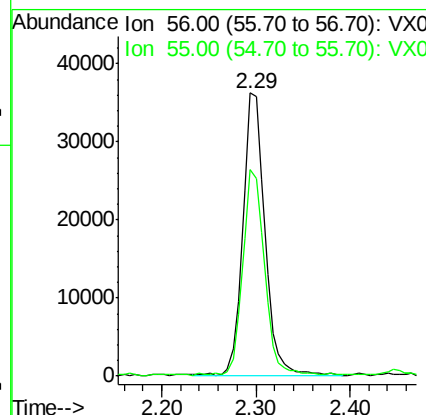
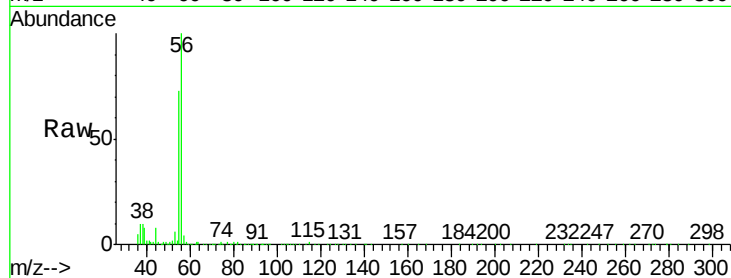
#13
Acrolein
Concen: 61.782 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.01 min
Lab File: VX006950.D
Acq: 08 Jan 2019 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.5	58.2	87.4

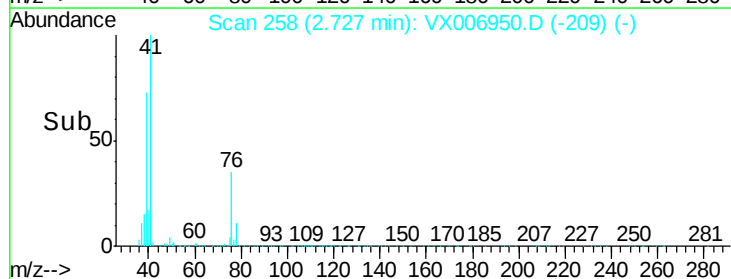
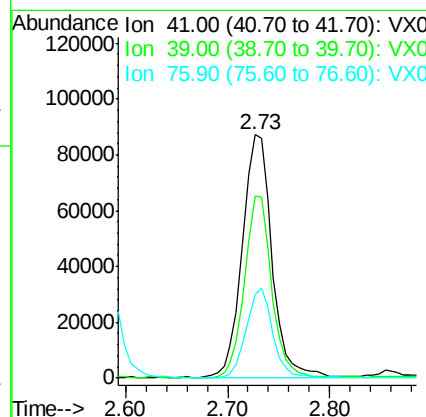
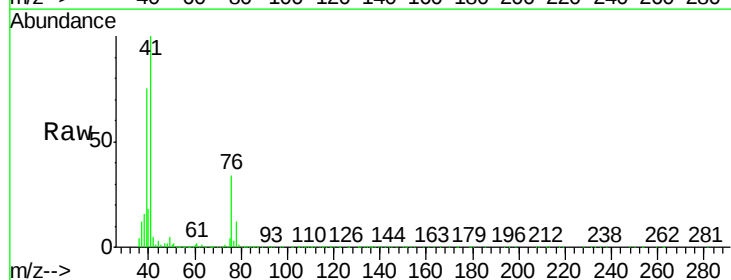
Manual Integrations
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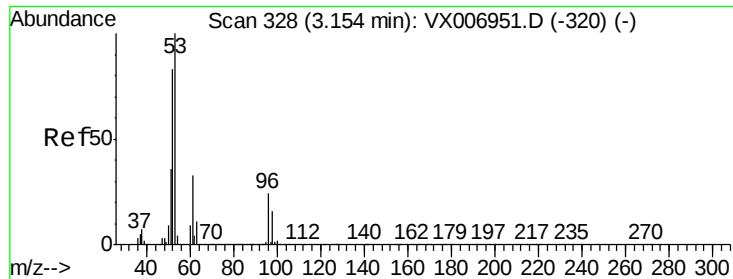
MMDadoda
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#14
Allyl chloride
Concen: 19.981 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX006950.D
Acq: 08 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
41	100		
39	69.3	53.6	80.4
76	32.6	27.4	41.2





#15

Acrylonitrile

Concen: 102.899 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Instrument :

MSVOA_X

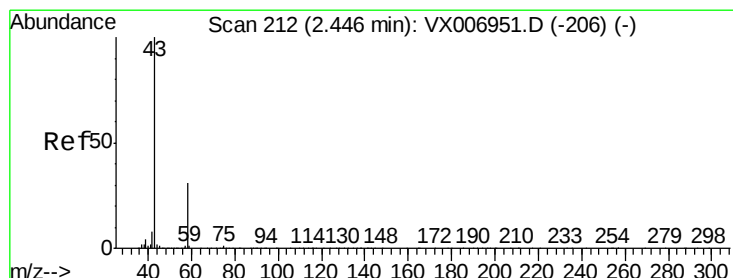
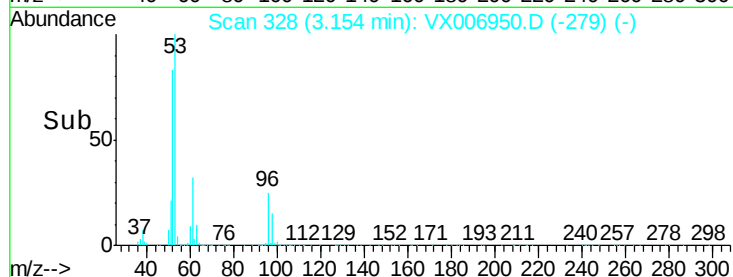
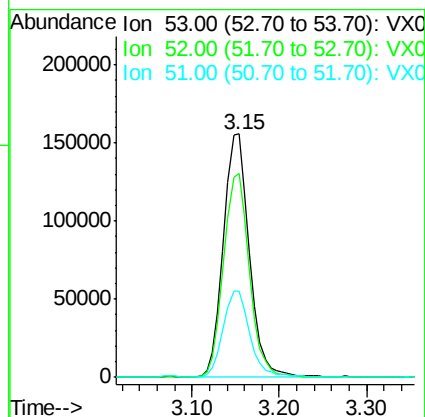
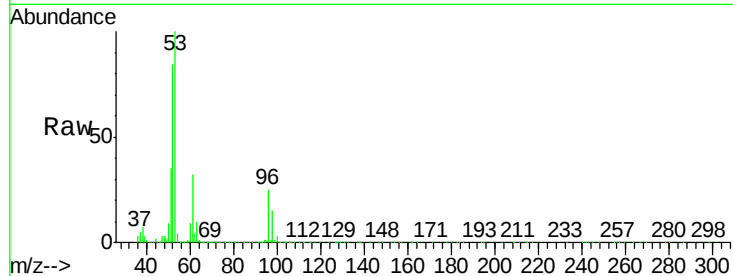
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	320965
Ion Ratio		Lower	Upper
53	100		
52	83.3	66.0	99.0
51	36.4	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 100.706 ug/l

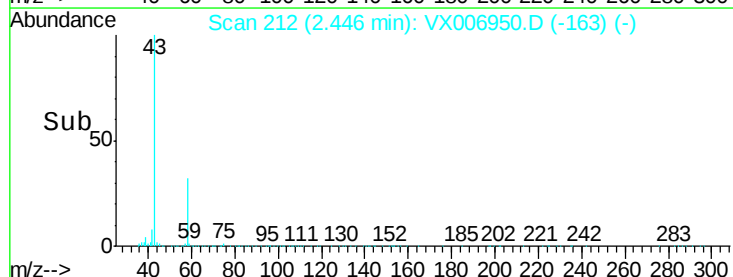
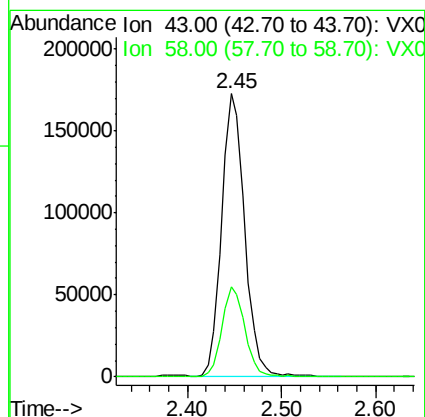
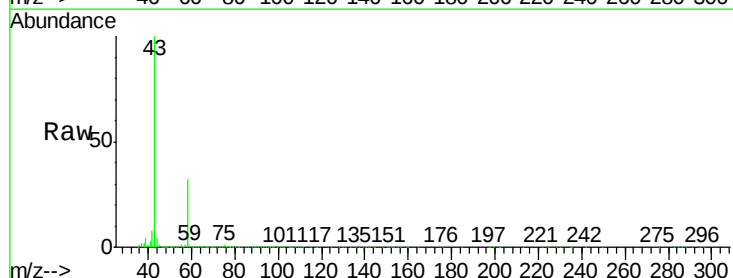
RT: 2.45 min Scan# 212

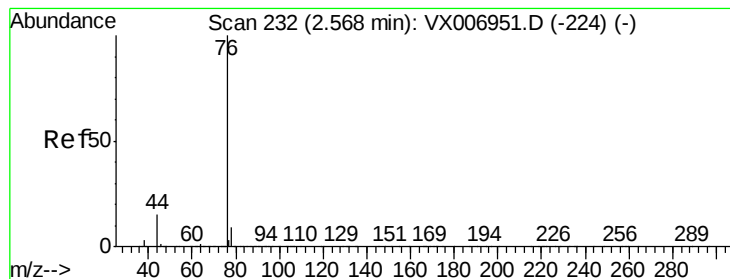
Delta R.T. 0.00 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Tgt Ion:	43	Resp:	291251
Ion Ratio		Lower	Upper
43	100		
58	31.5	25.0	37.6





#17

Carbon Disulfide

Concen: 18.042 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 249171

Ion Ratio Lower Upper

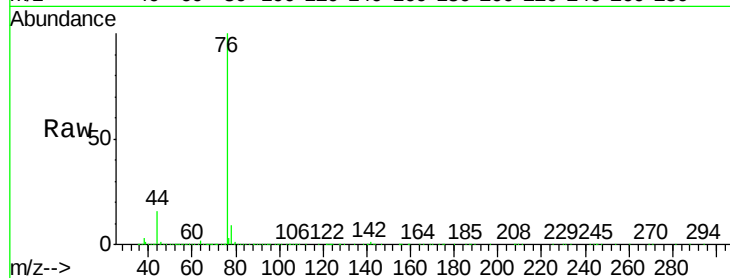
76 100

78 8.6 7.0 10.6

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

150000

100000

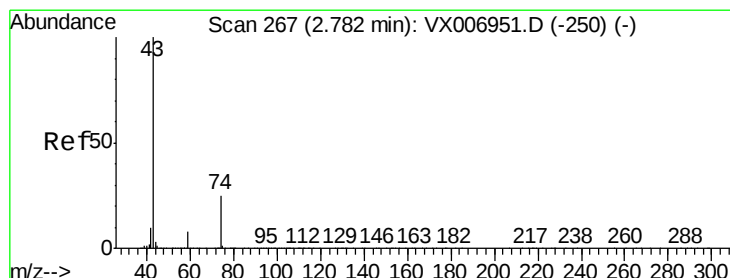
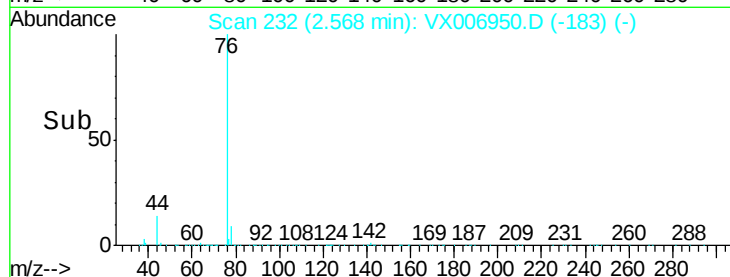
50000

0

2.57

2.50 2.60 2.70

Time-->



#18

Methyl Acetate

Concen: 19.164 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX006950.D

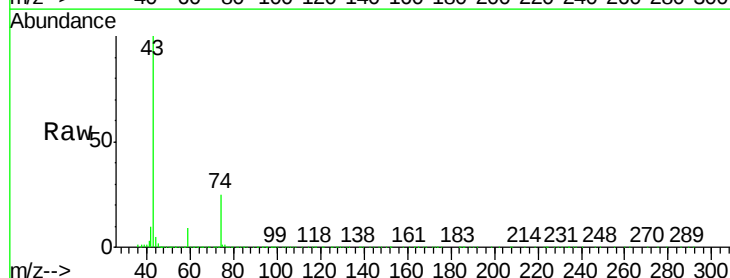
Acq: 08 Jan 2019 12:25

Tgt Ion: 43 Resp: 162972

Ion Ratio Lower Upper

43 100

74 23.7 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

100000

80000

60000

40000

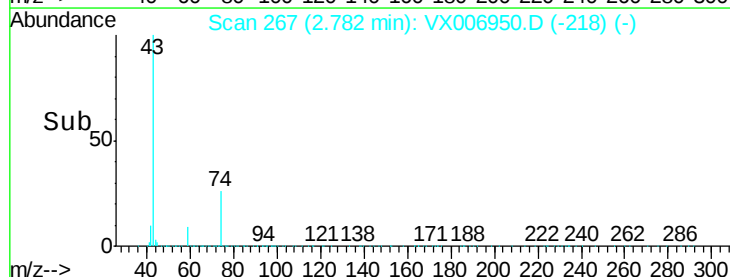
20000

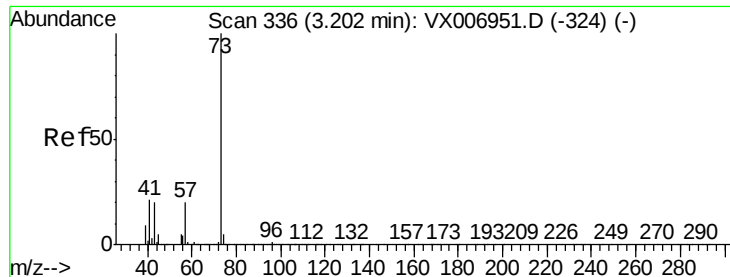
0

2.78

2.70 2.75 2.80 2.85

Time-->





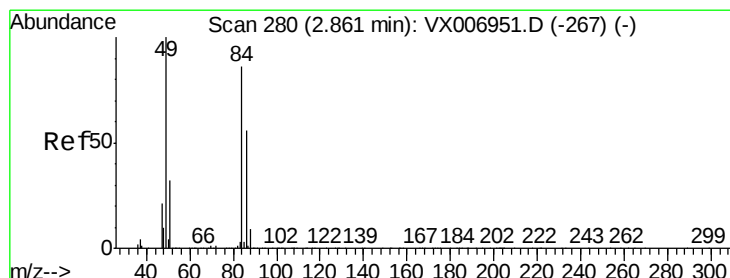
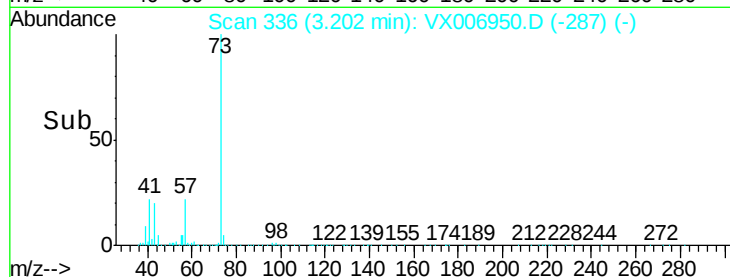
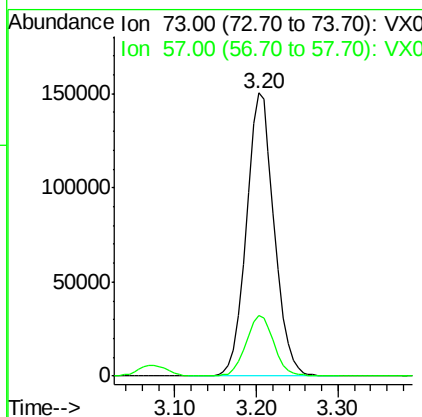
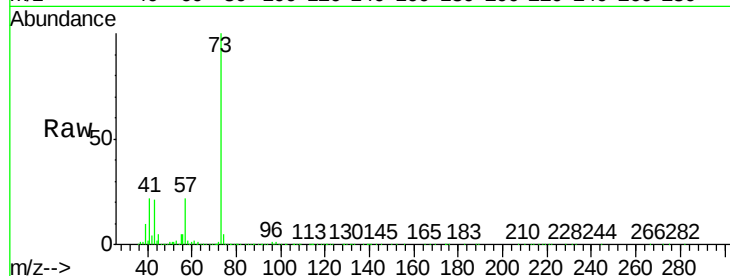
#19
Methvl tert-butvl Ether
Concen: 20.476 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006950.D
Acq: 08 Jan 2019 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	16.8	25.2

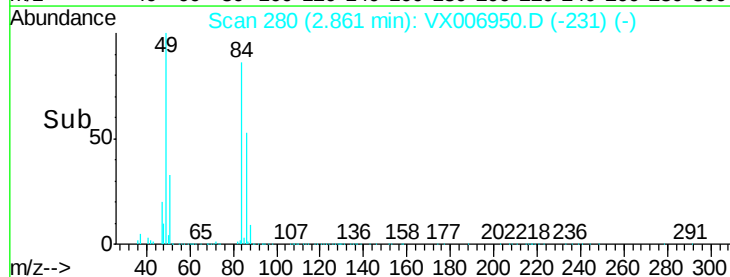
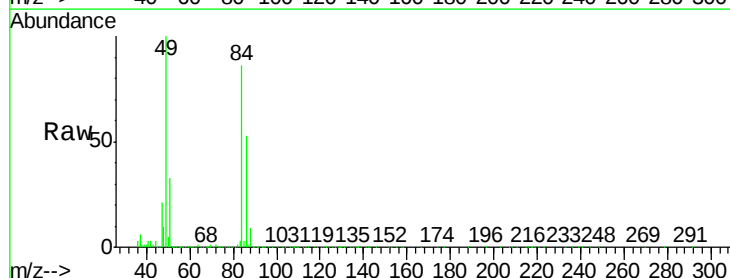
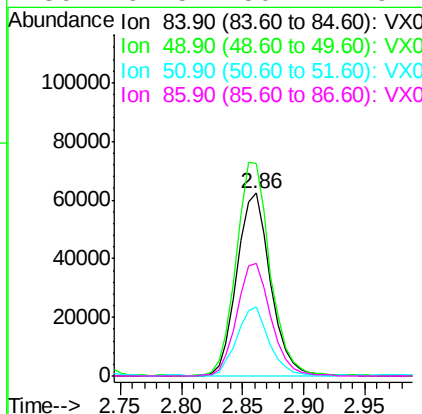
Manual Integrations
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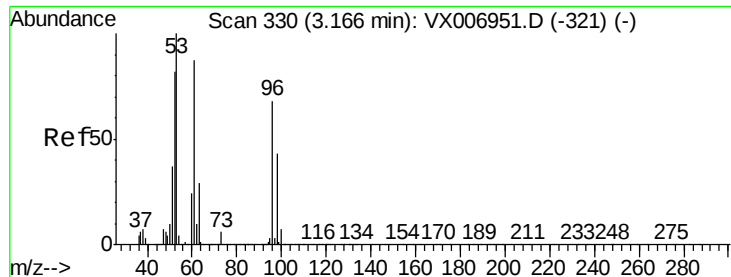
MMDadoda
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#20
Methylene Chloride
Concen: 19.960 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006950.D
Acq: 08 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.5	91.8	137.6
51	37.7	28.5	42.7
86	61.5	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 19.139 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Instrument :

MSVOA_X

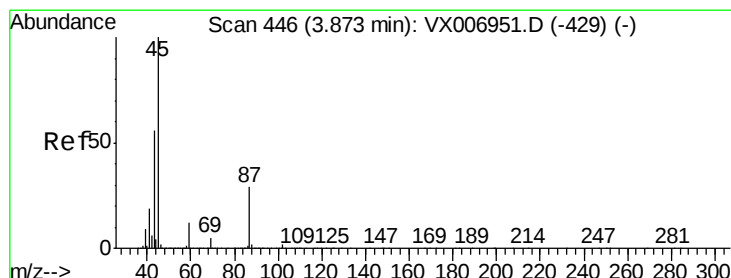
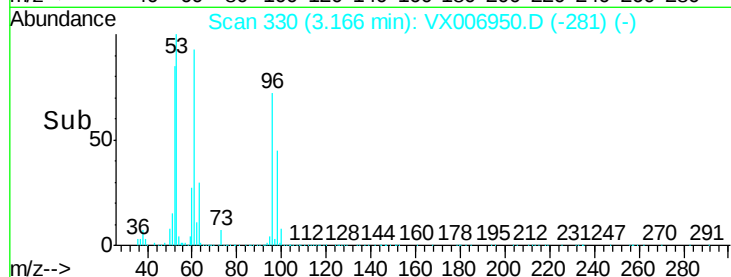
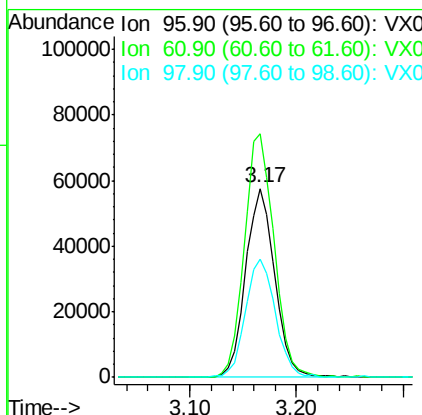
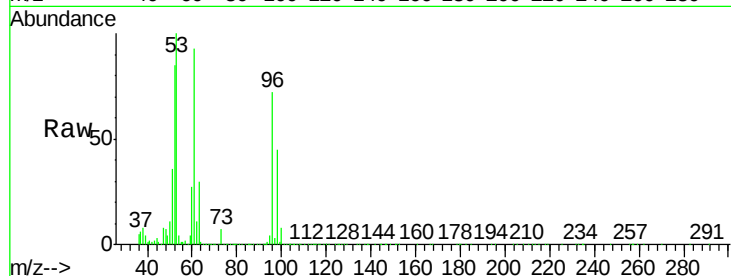
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	110664
Ion	Ratio	Lower	Upper
96	100		
61	128.9	103.7	155.5
98	62.8	51.0	76.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.497 ug/l

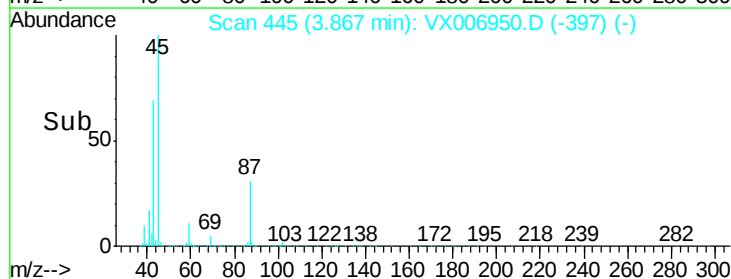
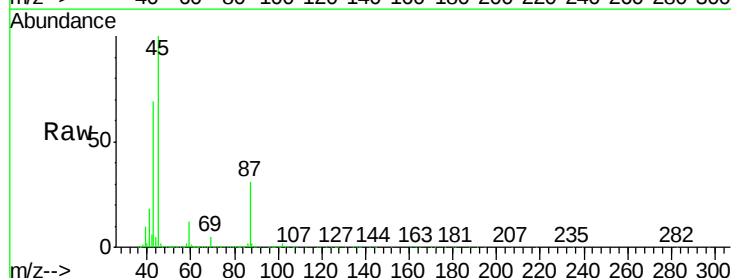
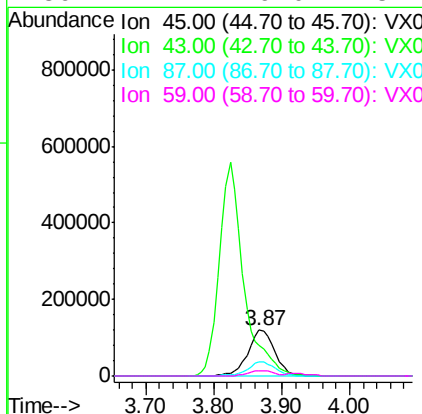
RT: 3.87 min Scan# 445

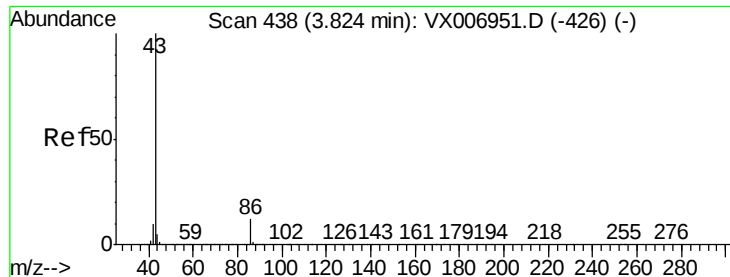
Delta R.T. -0.01 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Tgt Ion:	45	Resp:	329388
Ion	Ratio	Lower	Upper
45	100		
43	68.5	51.2	76.8
87	30.5	25.8	38.6
59	11.4	9.0	13.4





#23

Vinyl Acetate

Concen: 106.094 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 1394576

Ion Ratio Lower Upper

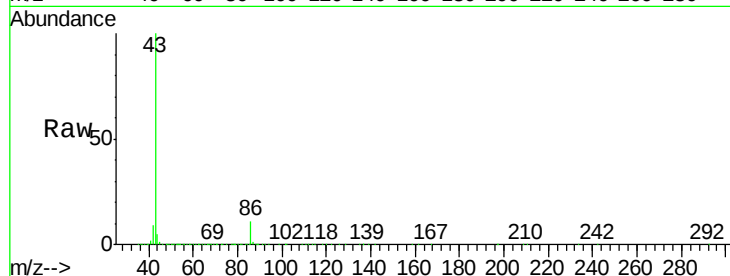
43 100

86 10.7 9.2 13.8

Manual Integrations
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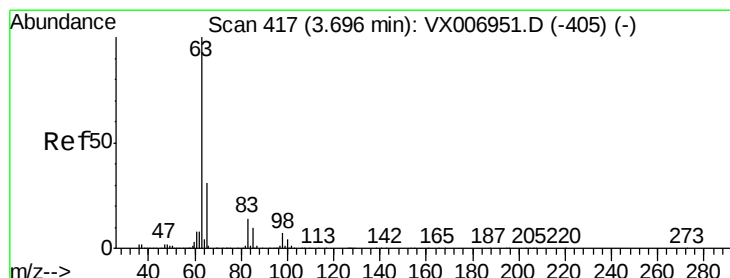
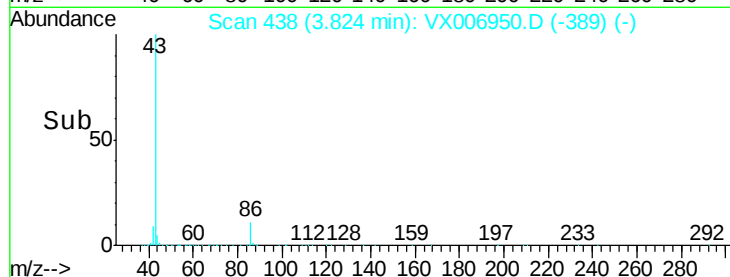
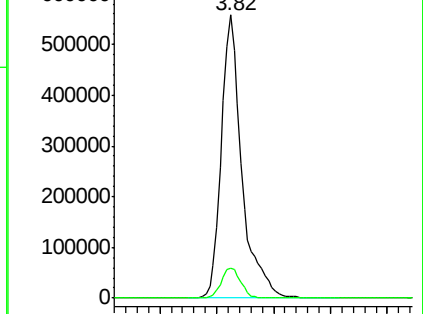
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.327 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

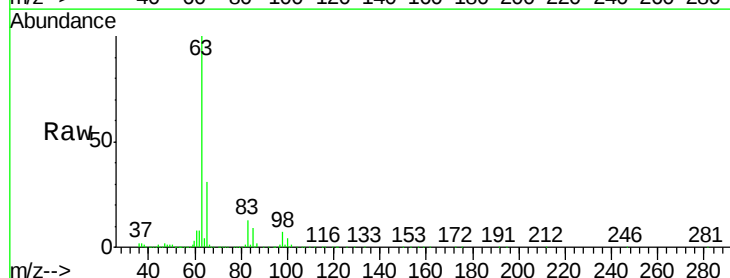
Tgt Ion: 63 Resp: 185401

Ion Ratio Lower Upper

63 100

98 6.9 3.9 11.5

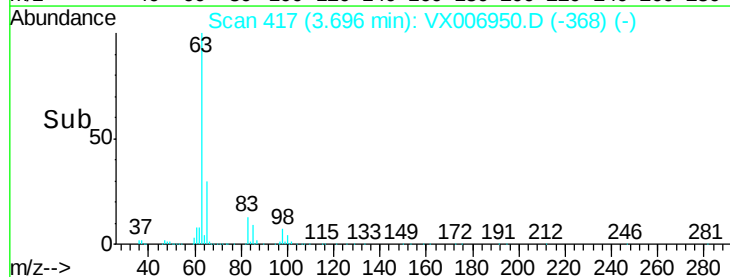
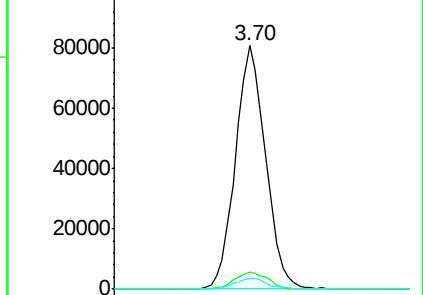
100 4.1 2.4 7.2

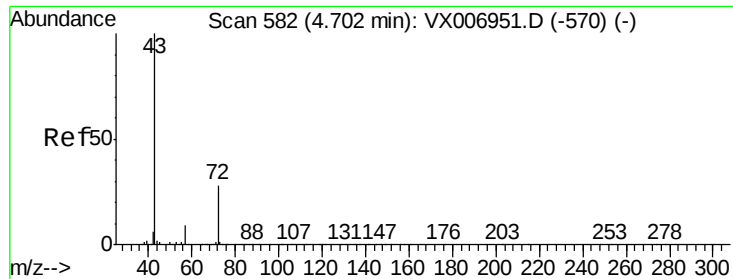


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 104.384 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 424640

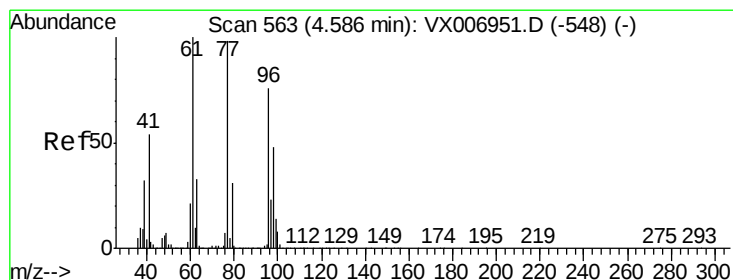
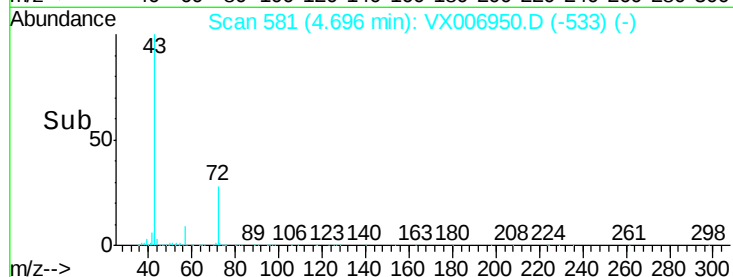
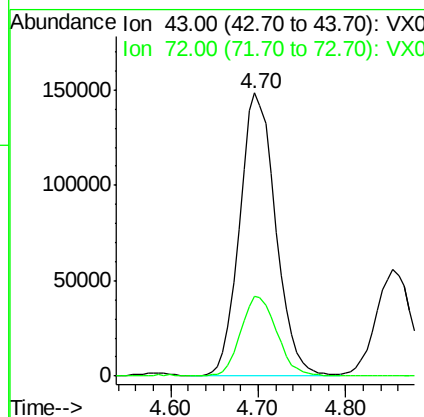
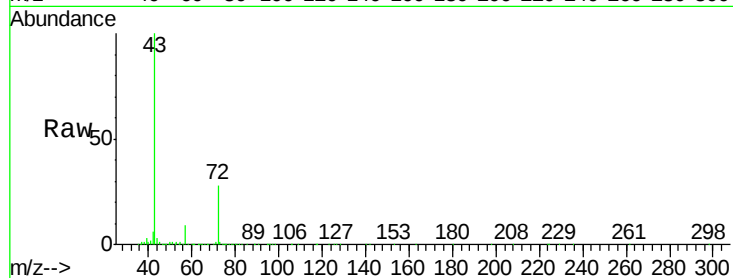
Ion Ratio Lower Upper

43 100

72 28.1 22.4 33.6

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 18.665 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX006950.D

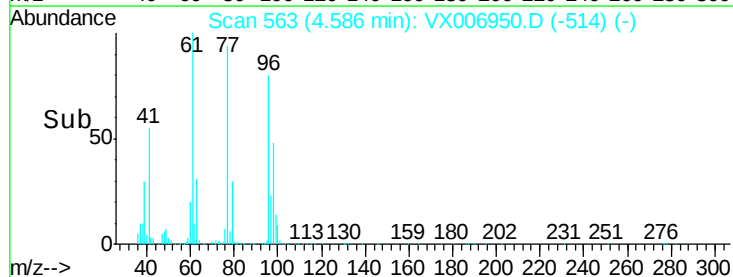
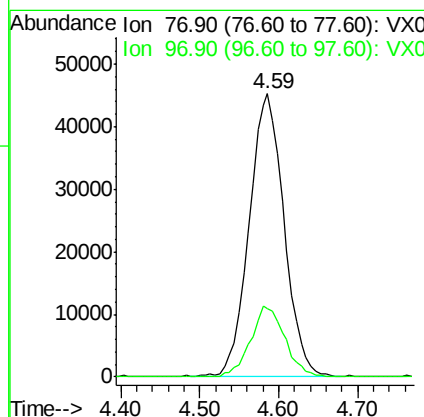
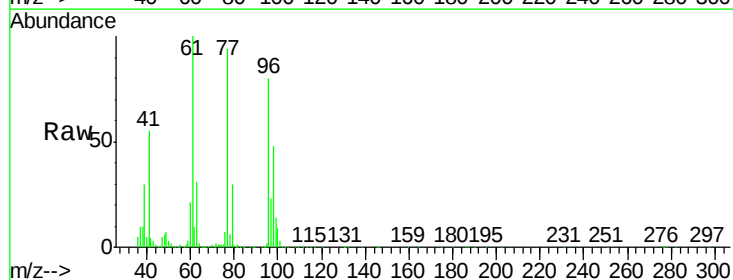
Acq: 08 Jan 2019 12:25

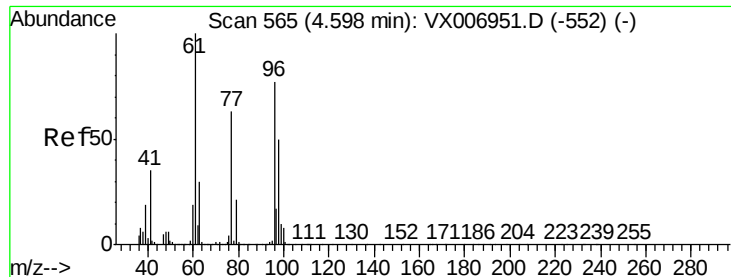
Tgt Ion: 77 Resp: 138312

Ion Ratio Lower Upper

77 100

97 24.8 12.4 37.4





#27

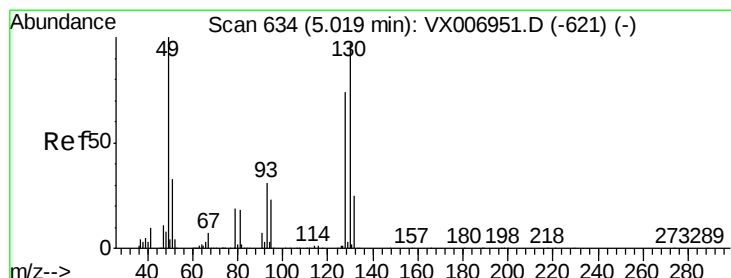
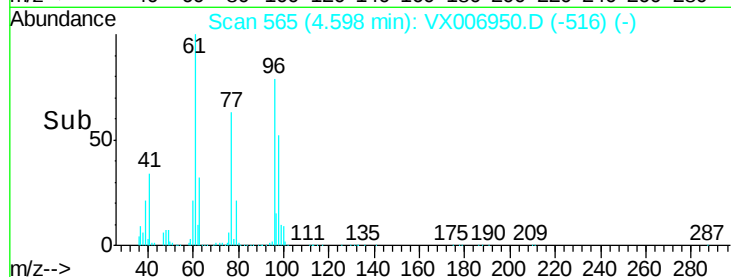
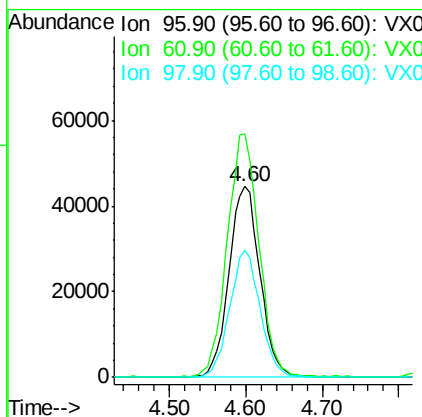
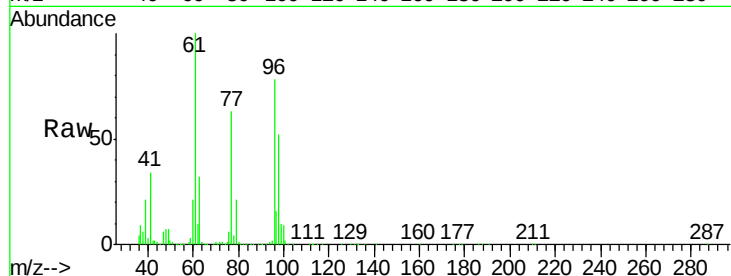
cis-1,2-Dichloroethene
 Concen: 19.635 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX006950.D
 Acq: 08 Jan 2019 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.9	0.0	258.6
98	65.5	0.0	132.0

Manual Integrations
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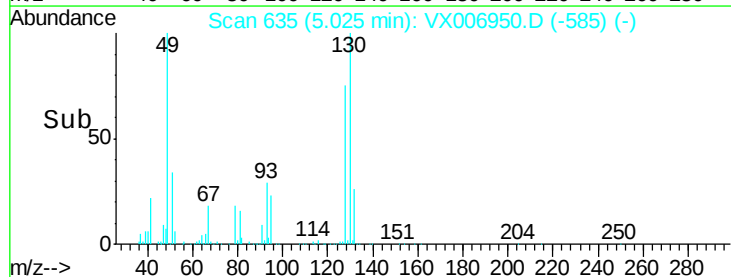
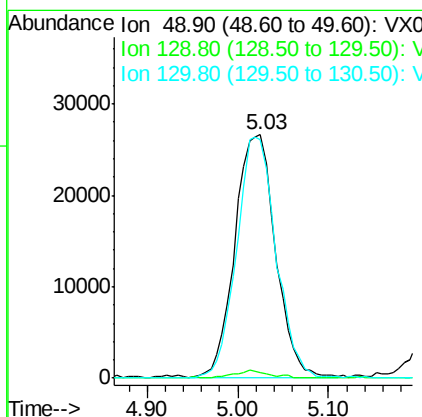
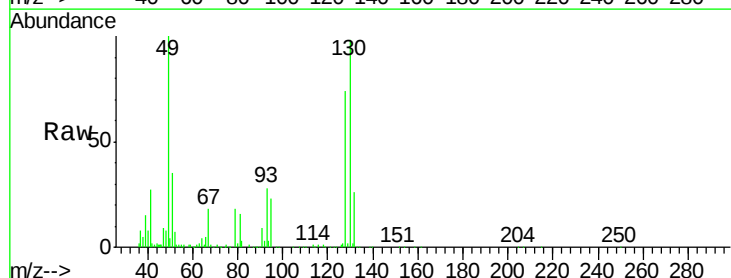
MMDadoda
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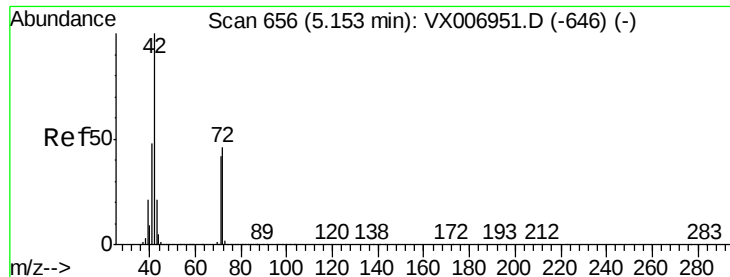


#28

Bromochloromethane
 Concen: 18.628 ug/l
 RT: 5.03 min Scan# 635
 Delta R.T. 0.01 min
 Lab File: VX006950.D
 Acq: 08 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.4
130	96.9	77.7	116.5





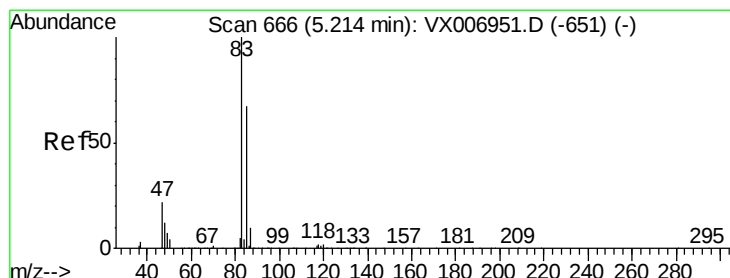
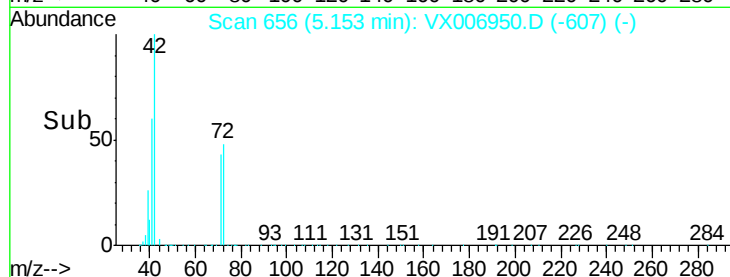
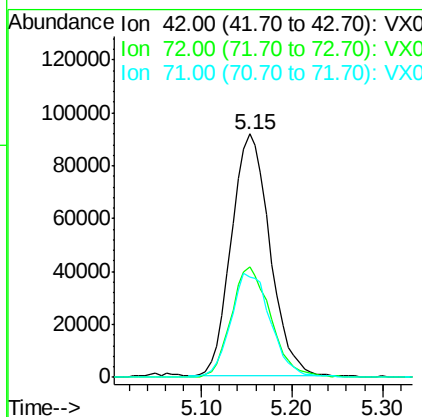
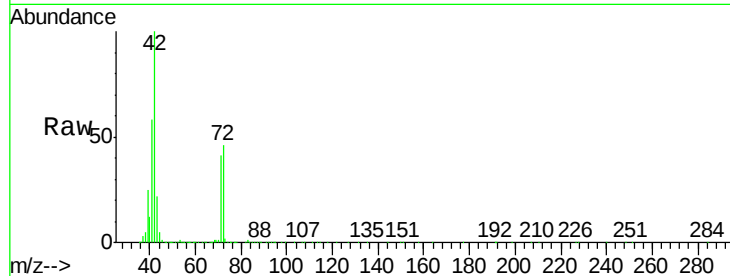
#29
Tetrahydrofuran
Concen: 101.161 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX006950.D
Acq: 08 Jan 2019 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
42	100			
72	46.8	38.9	58.3	
71	44.4	36.2	54.4	

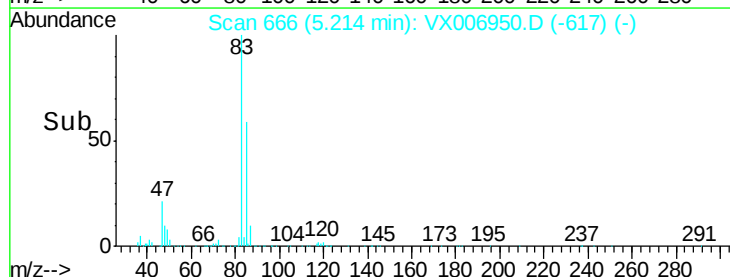
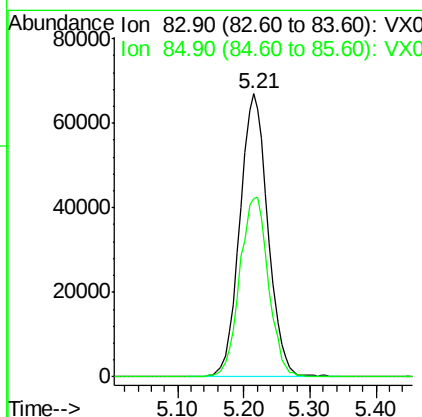
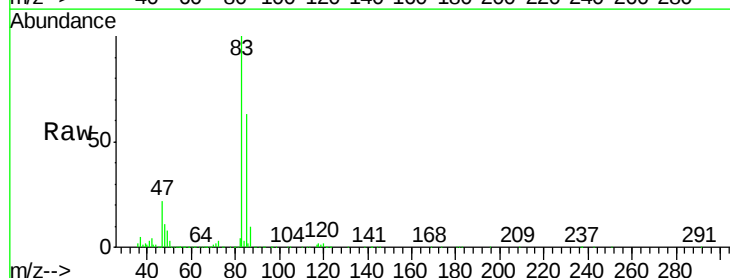
Manual Integrations
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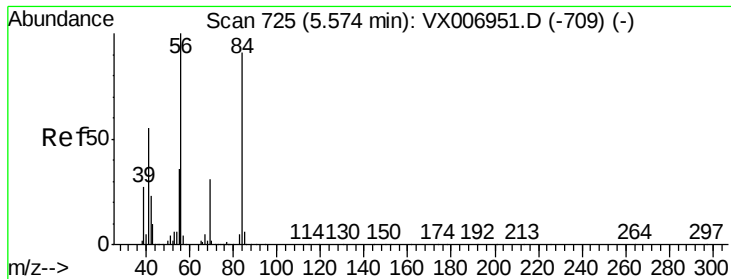
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#30
Chloroform
Concen: 19.853 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX006950.D
Acq: 08 Jan 2019 12:25

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
85	62.9	51.2	76.8	





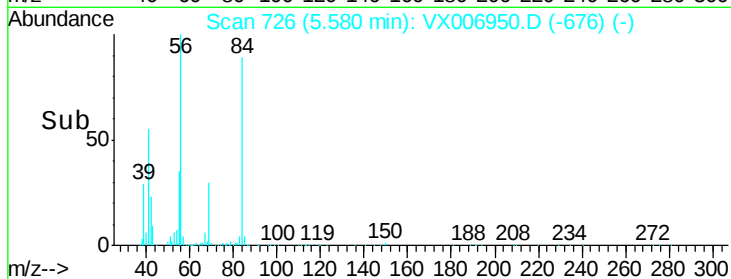
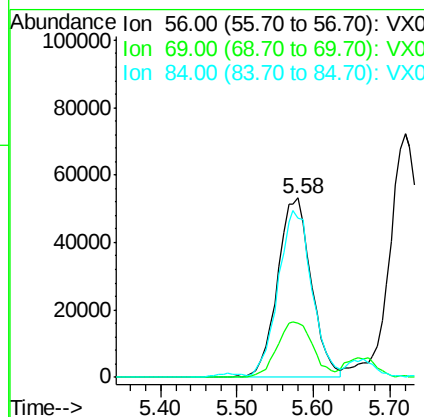
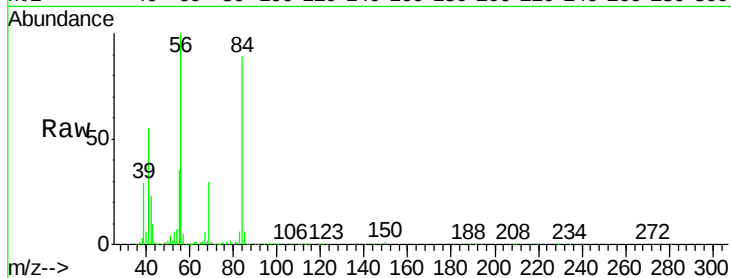
#31
Cyclohexane
Concen: 18.535 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX006950.D
Acq: 08 Jan 2019 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.6	24.4	36.6
84	88.8	70.0	105.0

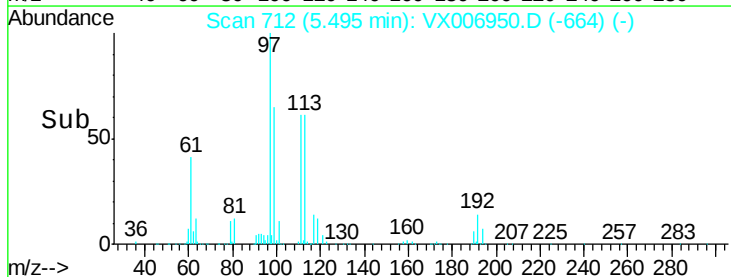
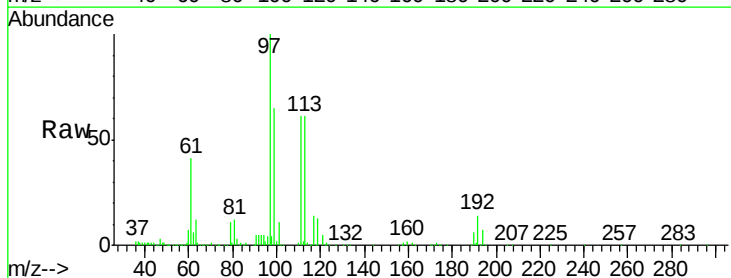
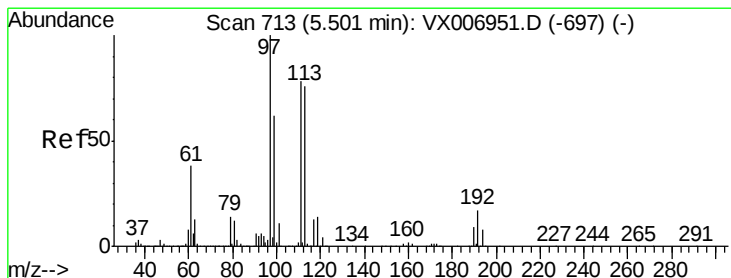
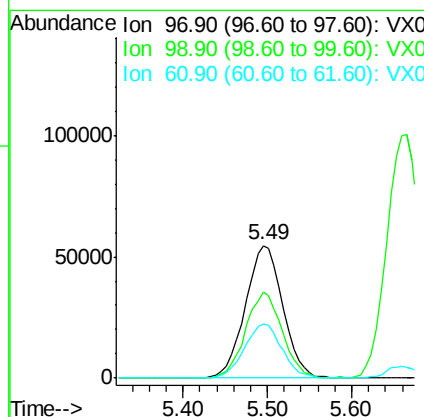
Manual Integrations
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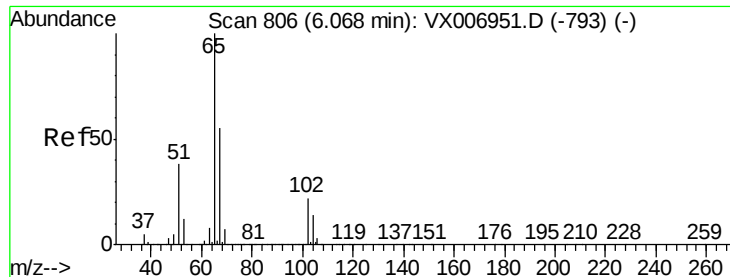
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#32
1,1,1-Trichloroethane
Concen: 19.544 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX006950.D
Acq: 08 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.7	77.5
61	40.9	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 18.821 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 65 Resp: 118477

Ion Ratio Lower Upper

65 100

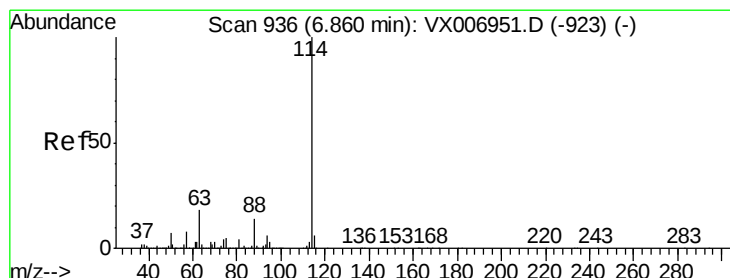
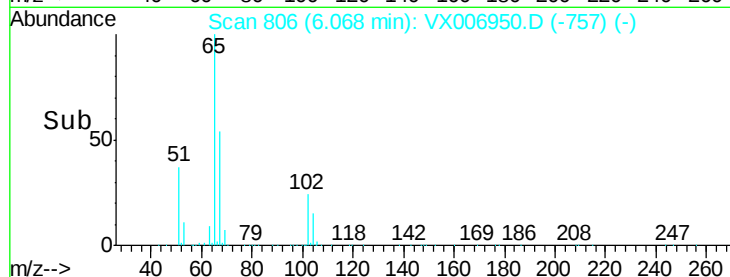
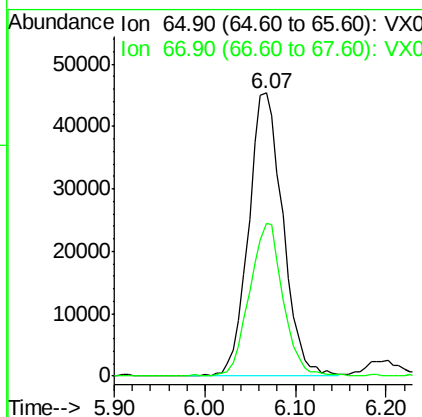
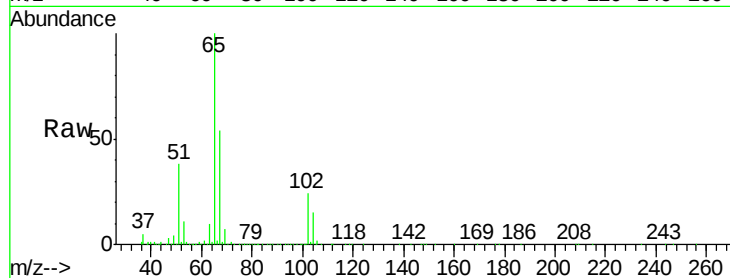
67 52.1 0.0 105.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

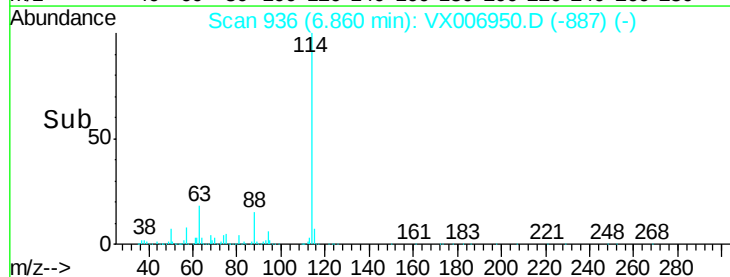
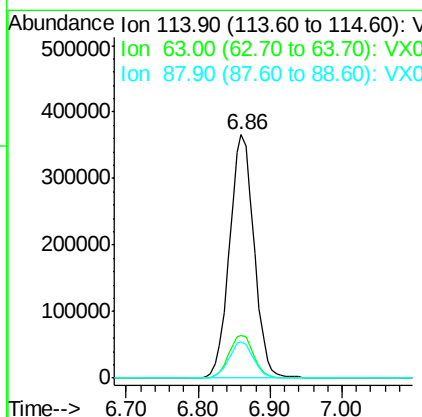
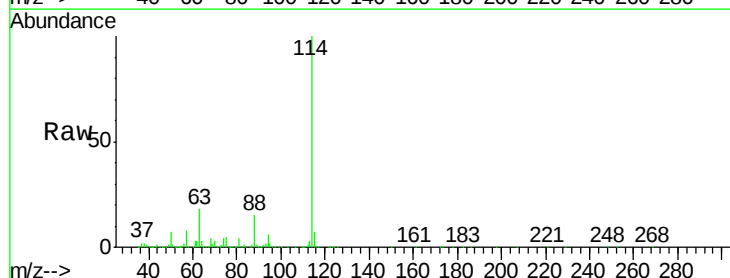
Tgt Ion: 114 Resp: 866054

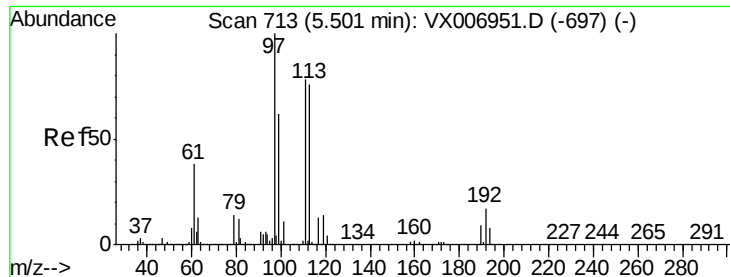
Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.8

88 14.6 0.0 28.8





#35

Dibromofluoromethane

Concen: 19.008 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Instrument :

MSVOA_X

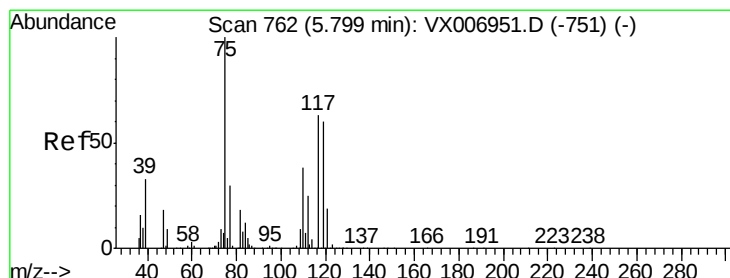
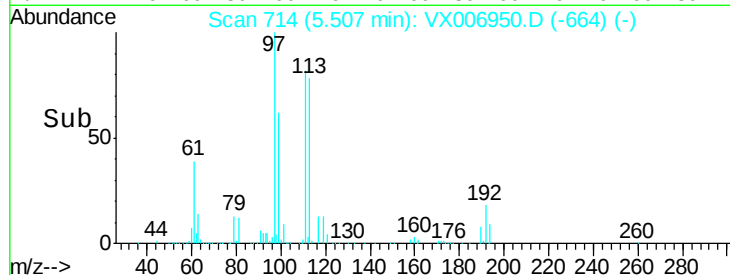
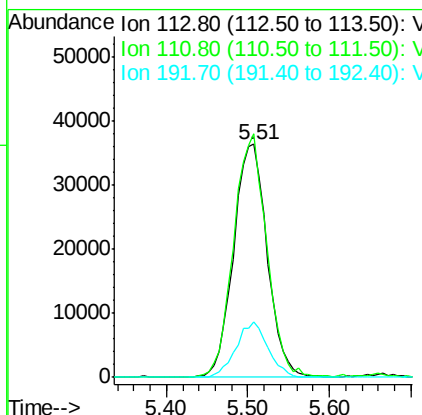
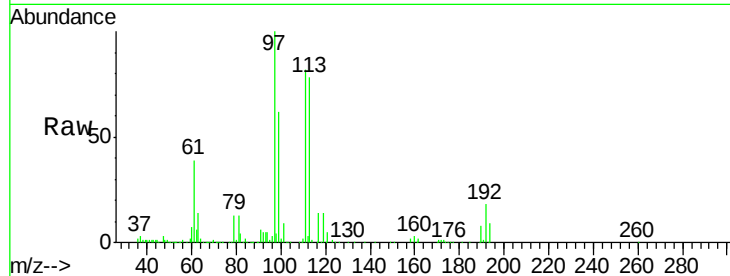
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	104102
Ion Ratio	Lower	Upper	
113	100		
111	102.6	81.6	122.4
192	22.7	16.7	25.1

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#36

1,1-Dichloropropene

Concen: 20.196 ug/l

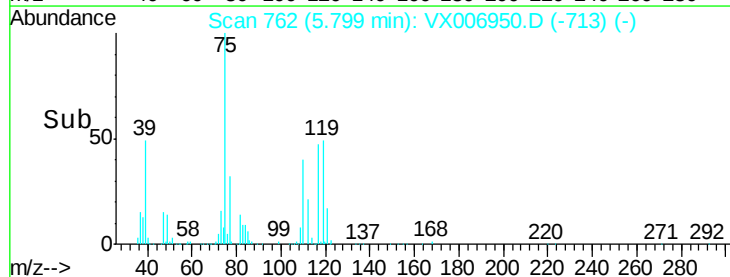
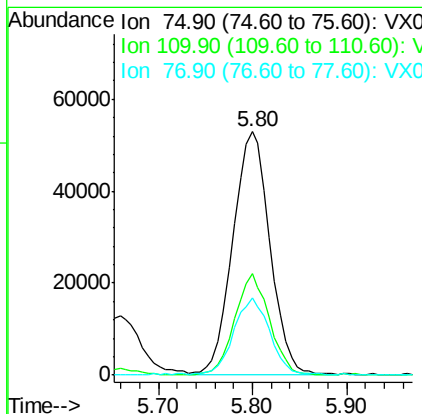
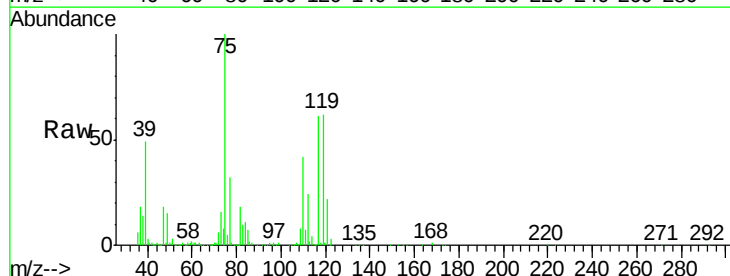
RT: 5.80 min Scan# 762

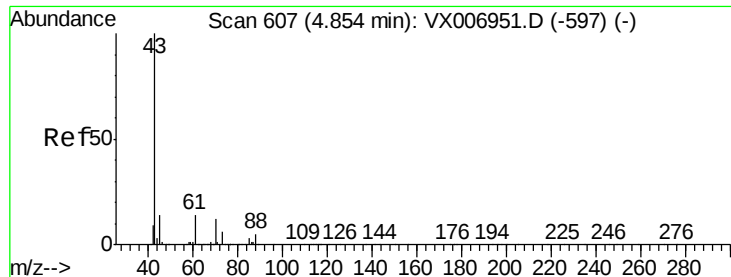
Delta R.T. 0.00 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Tgt Ion:	75	Resp:	144867
Ion Ratio	Lower	Upper	
75	100		
110	39.5	20.2	60.5
77	30.7	24.8	37.2





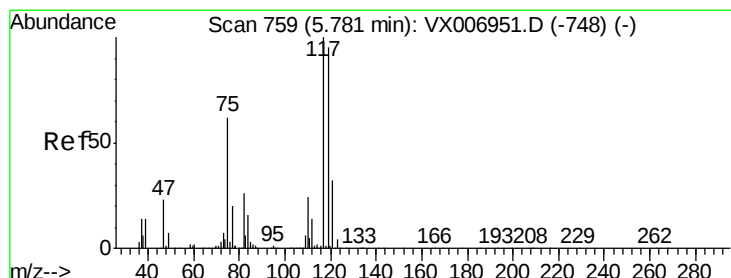
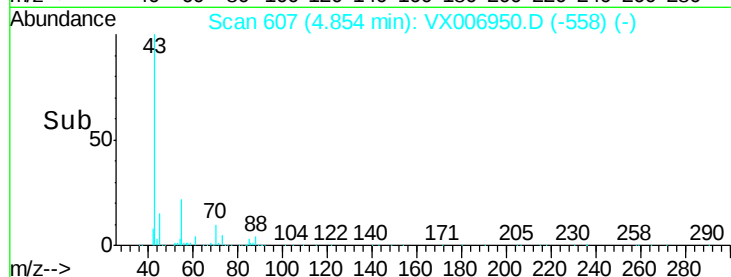
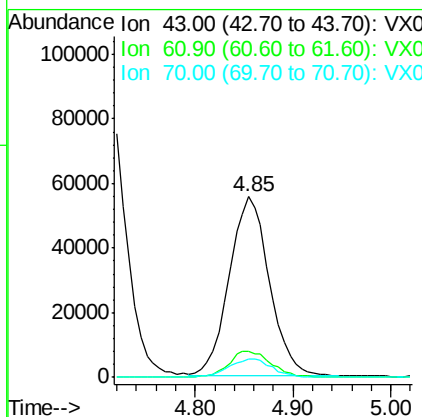
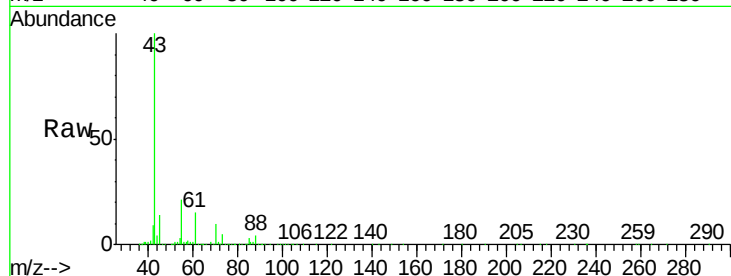
#37
Ethyl Acetate
Concen: 21.222 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006950.D
Acq: 08 Jan 2019 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.9	17.9
70	10.3	9.7	14.5

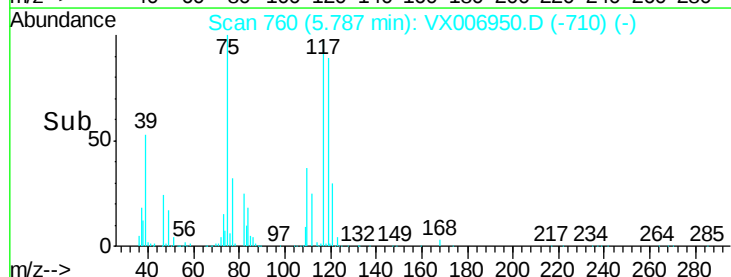
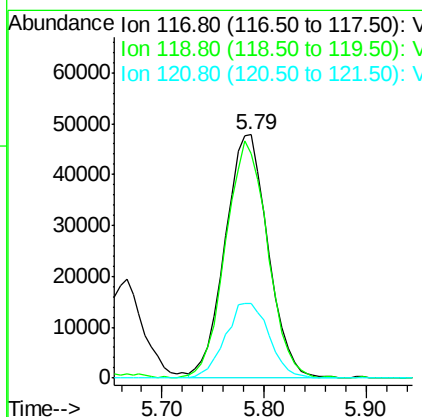
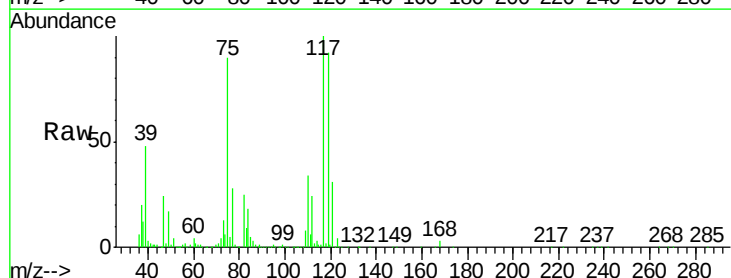
Manual Integrations
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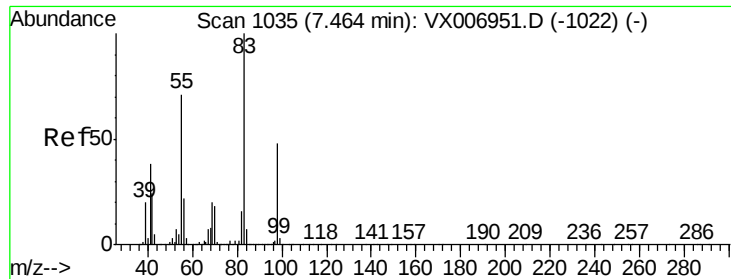
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#38
Carbon Tetrachloride
Concen: 20.016 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX006950.D
Acq: 08 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.2	79.4	119.2
121	30.9	24.0	36.0





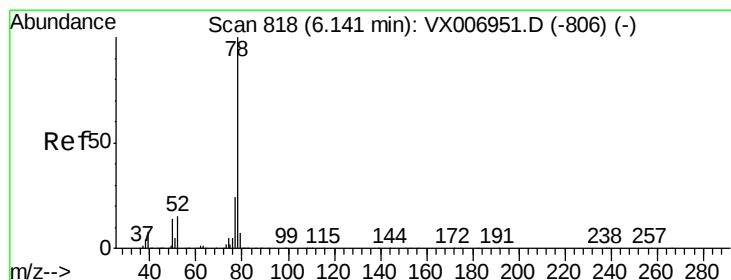
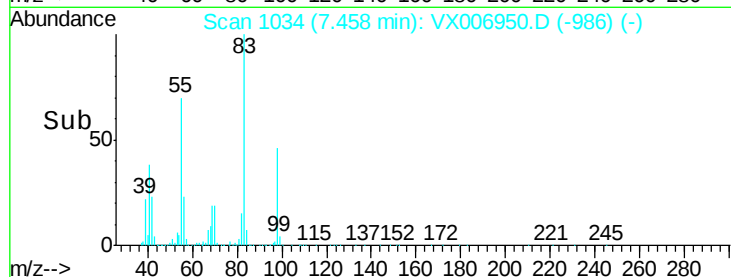
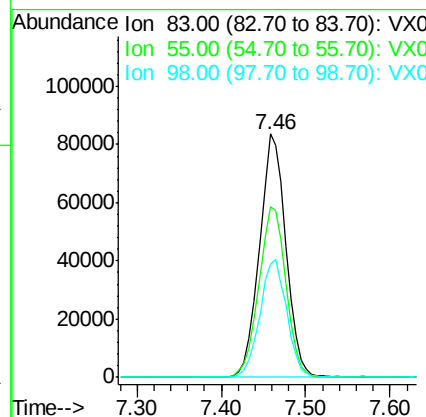
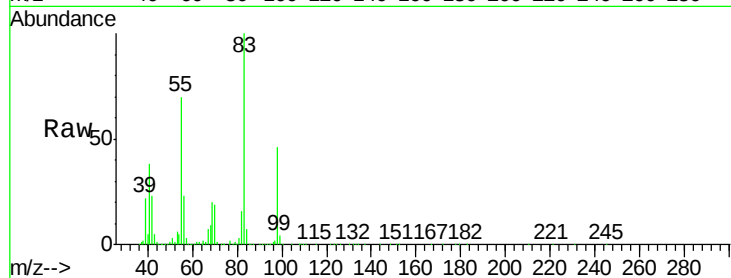
#39
Methvlcvclohexane
Concen: 18.966 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX006950.D
Acq: 08 Jan 2019 12:25

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.1	54.9	82.3
98	46.4	37.9	56.9

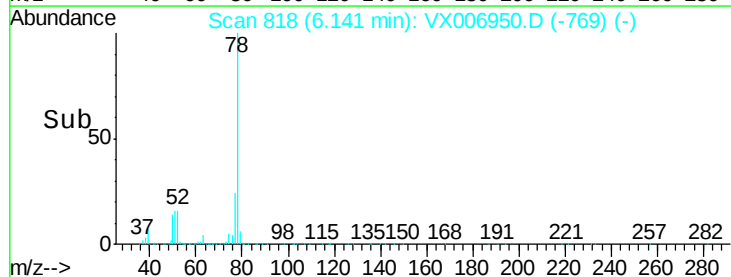
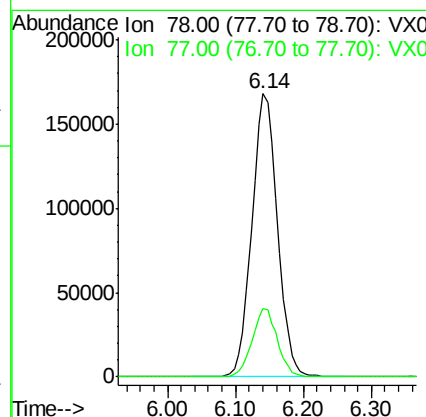
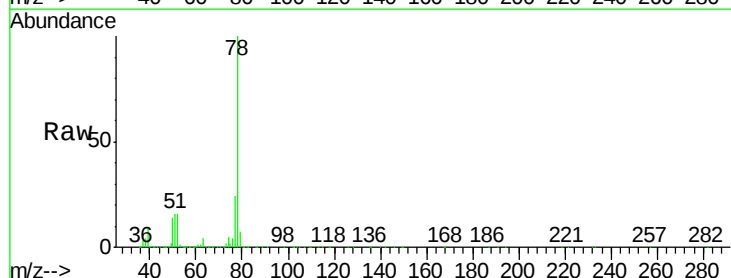
Manual Integrations
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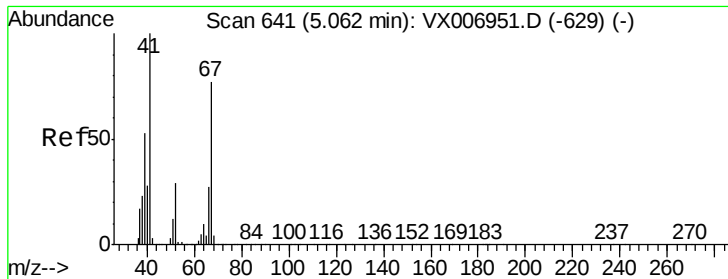
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#40
Benzene
Concen: 20.160 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006950.D
Acq: 08 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





#41

Methacrylonitrile

Concen: 22.878 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Instrument :

MSVOA_X

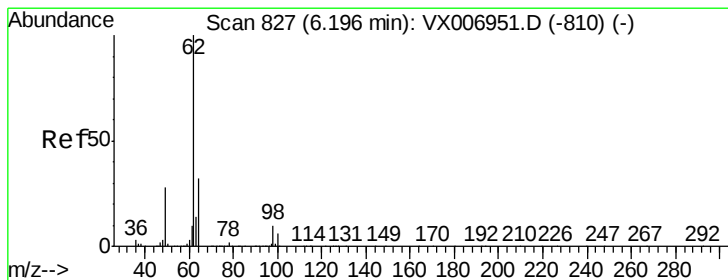
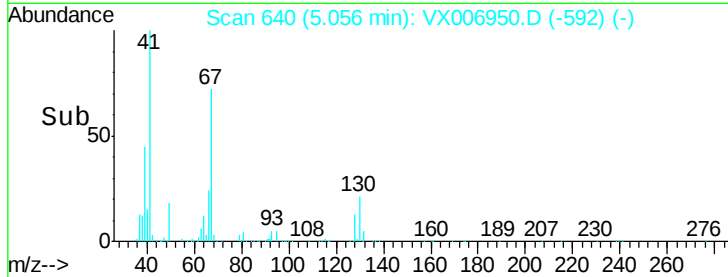
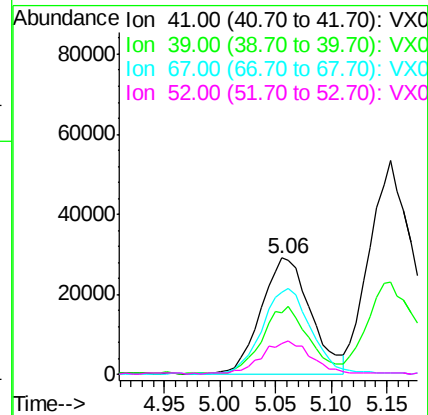
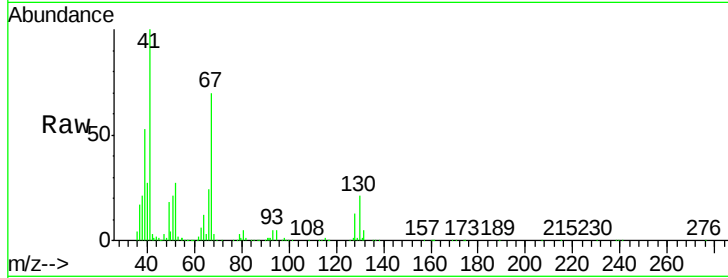
ClientSampled :

VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.8	42.8	64.2	
67	72.5	62.1	93.1	
52	27.3	23.4	35.0	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.179 ug/l

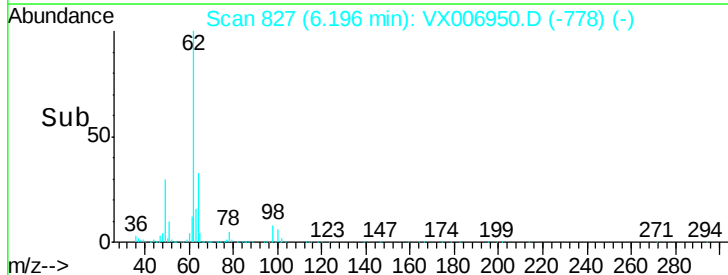
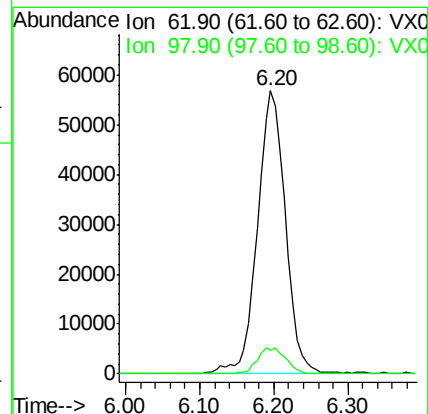
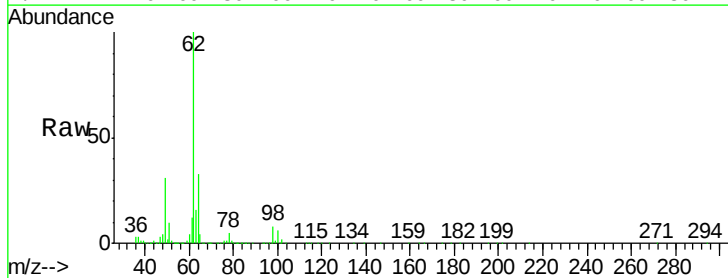
RT: 6.20 min Scan# 827

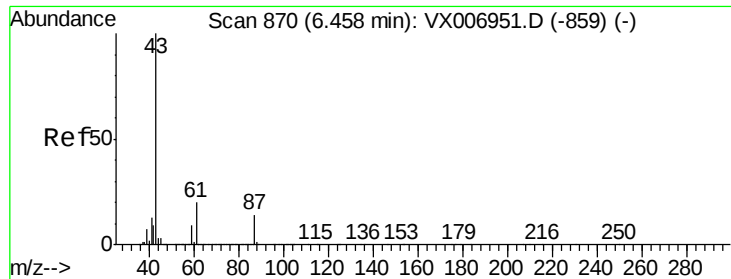
Delta R.T. 0.00 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	20.2	





#43

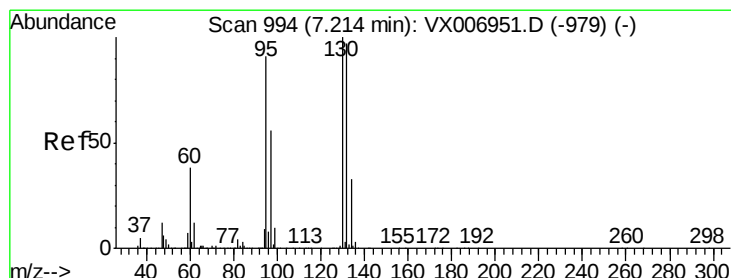
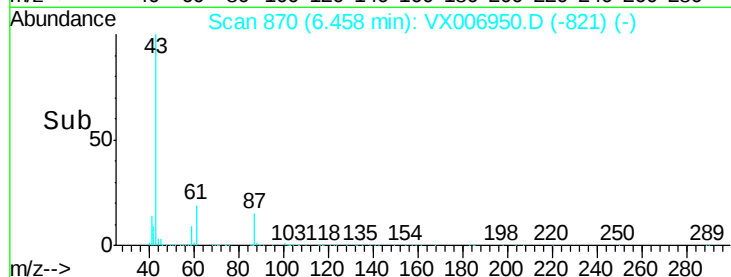
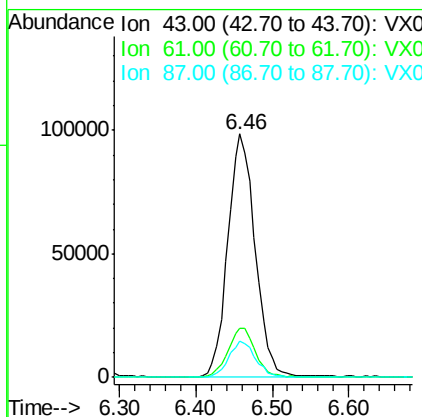
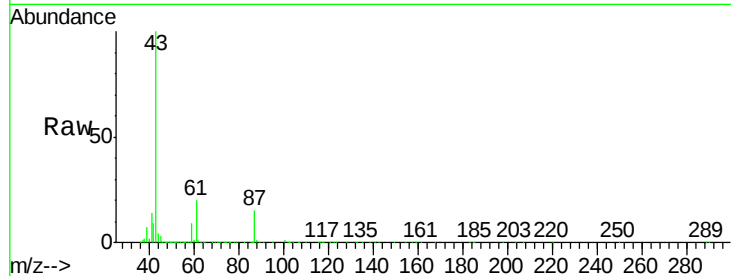
Isopropyl Acetate
 Concen: 21.362 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX006950.D
 Acq: 08 Jan 2019 12:25

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.8	25.2
87	14.6	12.4	18.6

Manual Integrations
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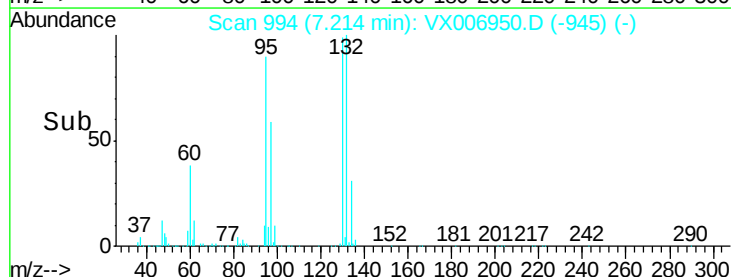
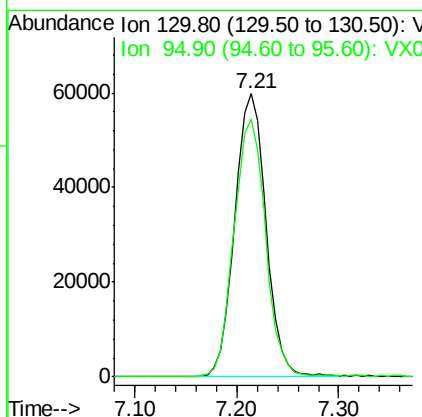
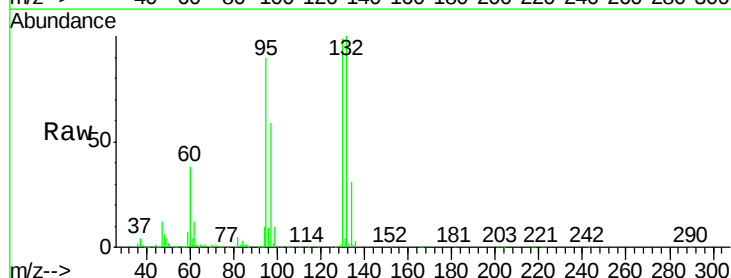
MMDadoda
 1/9/2019 10:24:56 AM

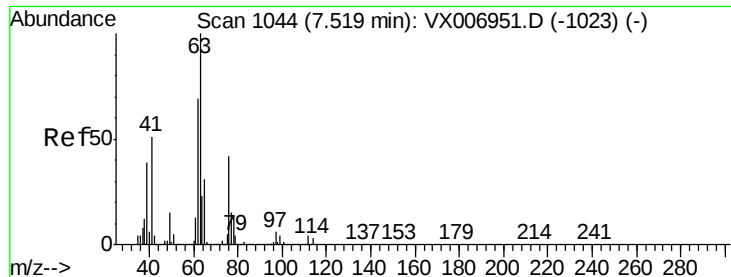


#44

Trichloroethene
 Concen: 19.210 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX006950.D
 Acq: 08 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.8	0.0	187.0





#45

1,2-Dichloropropane

Concen: 21.278 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 112900

Ion Ratio Lower Upper

63 100

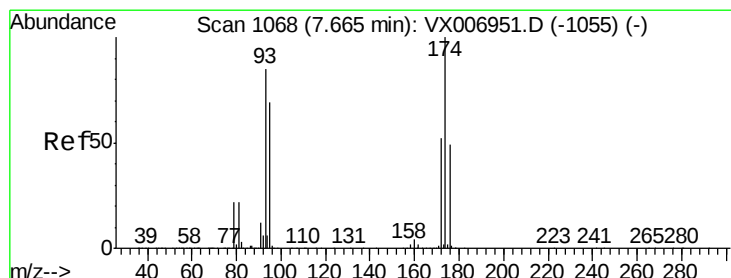
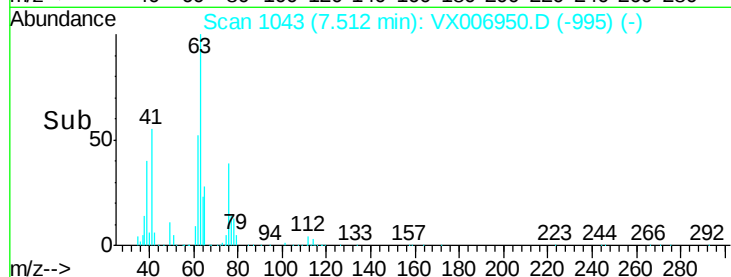
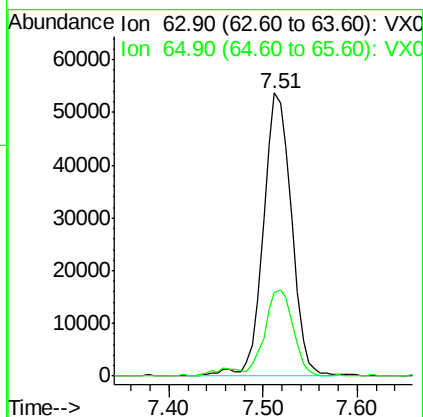
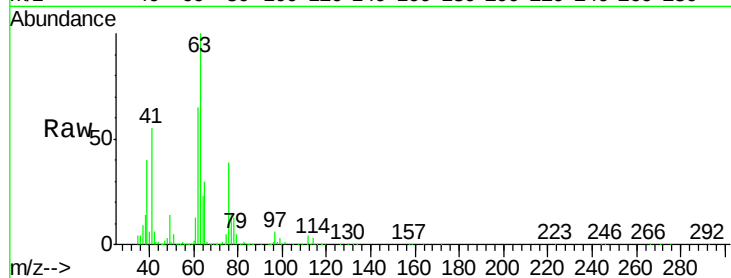
65 29.3 25.4 38.0

Manual Integrations

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1/9/2019 10:24:56 AM



#46

Dibromomethane

Concen: 20.207 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

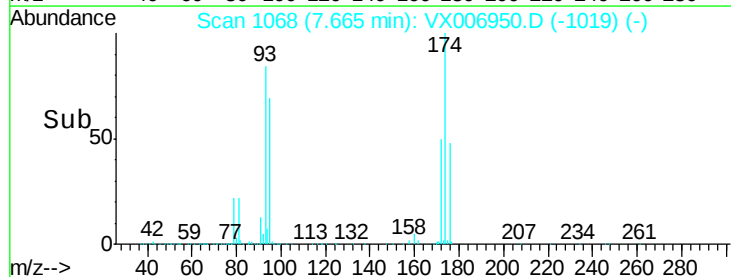
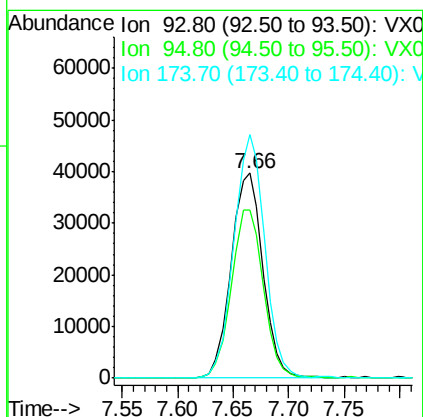
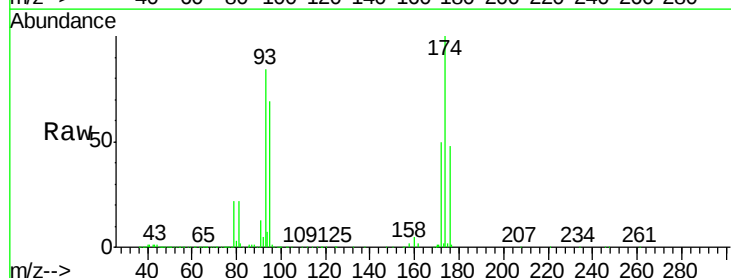
Tgt Ion: 93 Resp: 78863

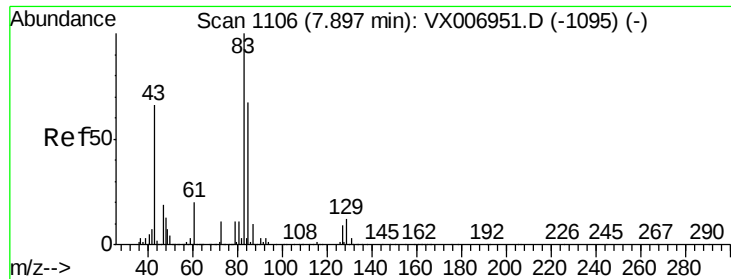
Ion Ratio Lower Upper

93 100

95 81.9 66.2 99.4

174 114.6 91.0 136.4





#47

Bromodichloromethane

Concen: 19.862 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Instrument :

MSVOA_X

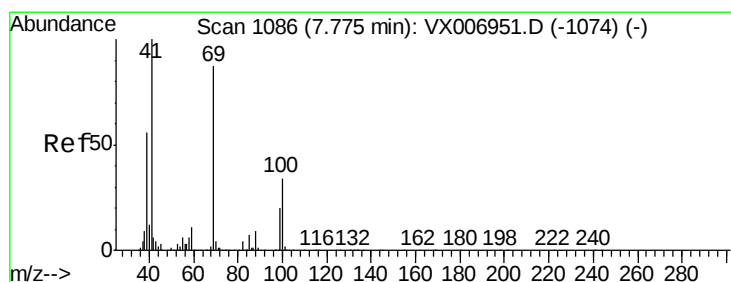
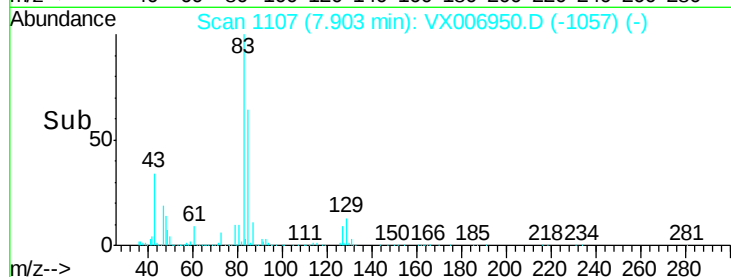
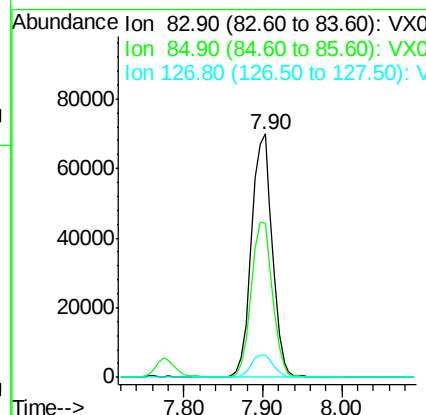
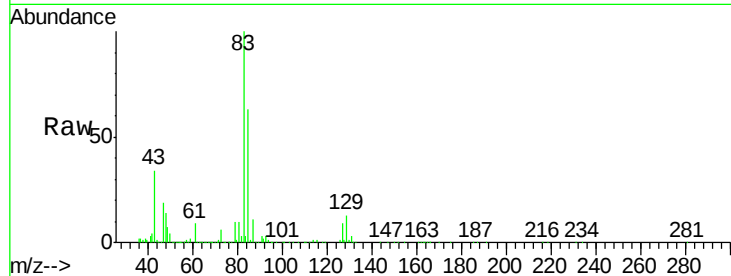
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	128691
Ion Ratio	Lower	Upper	
83	100		
85	63.3	53.2	79.8
127	9.0	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.612 ug/l

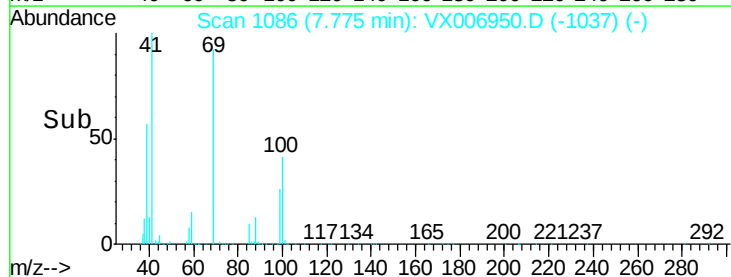
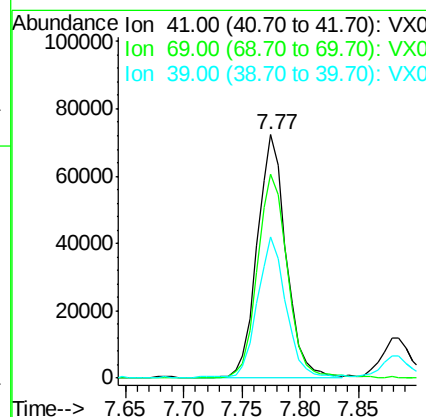
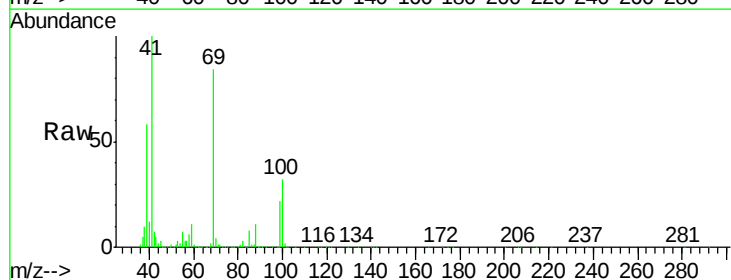
RT: 7.77 min Scan# 1086

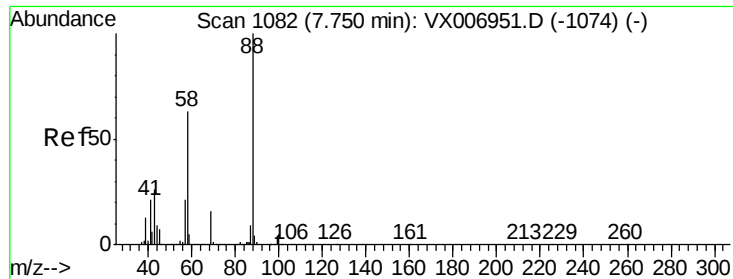
Delta R.T. 0.00 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Tgt Ion:	41	Resp:	124845
Ion Ratio	Lower	Upper	
41	100		
69	87.9	72.4	108.6
39	55.8	45.8	68.8





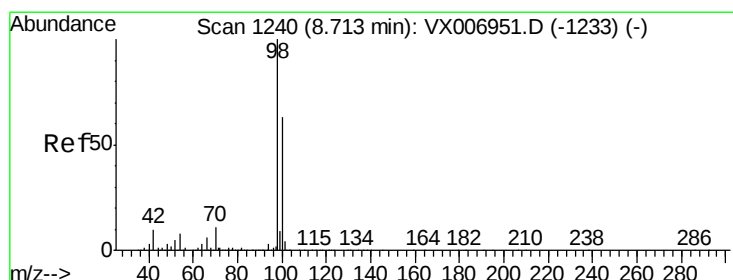
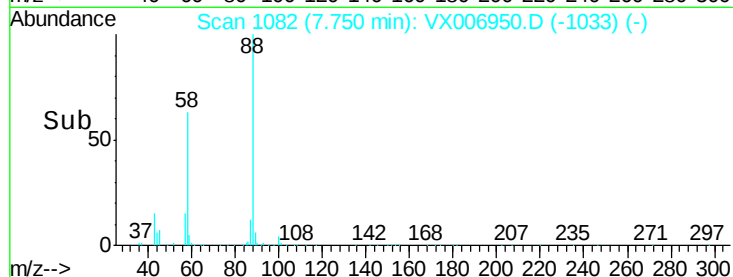
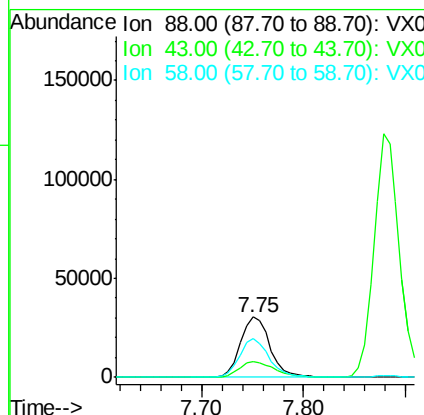
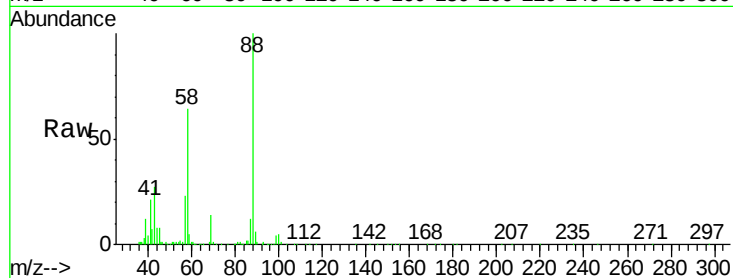
#49
1,4-Dioxane
Concen: 374.774 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006950.D
Acq: 08 Jan 2019 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.5	22.2	33.4
58	63.8	51.0	76.4

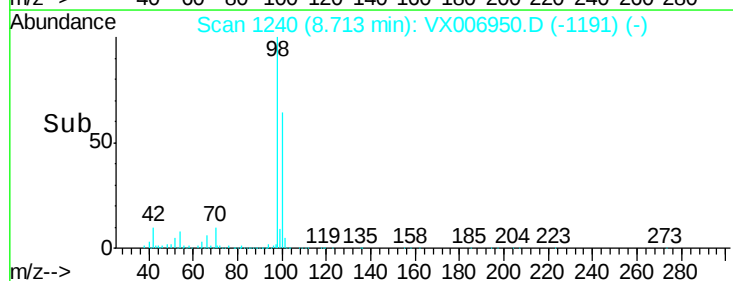
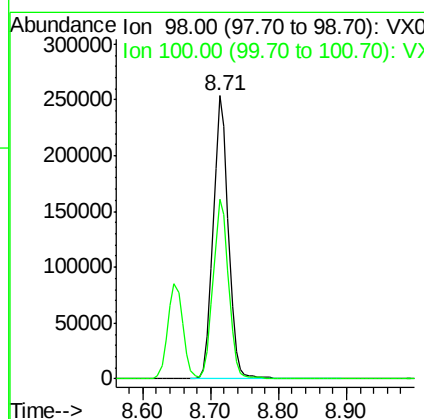
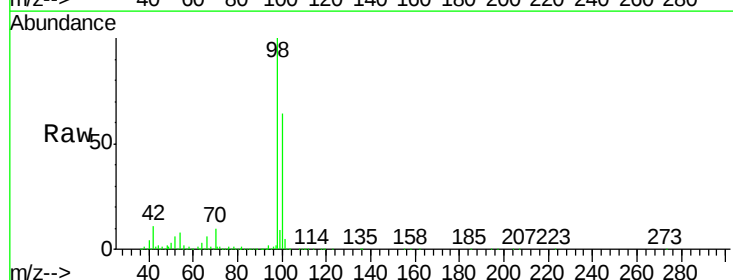
Manual Integrations
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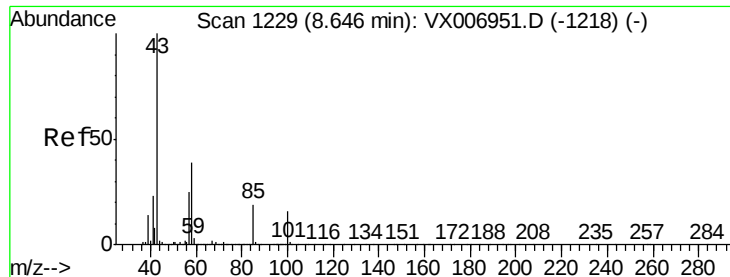
MMDadoda
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#50
Toluene-d8
Concen: 19.087 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006950.D
Acq: 08 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 112.982 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 816596

Ion Ratio Lower Upper

43 100

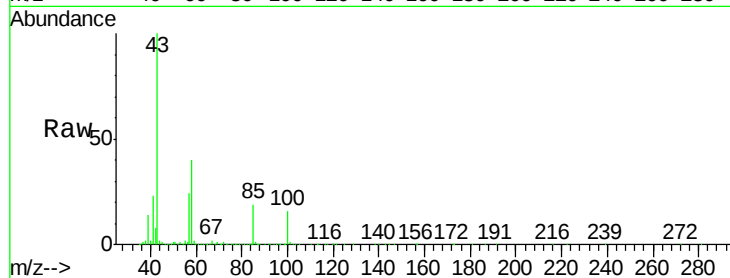
58 39.1 31.8 47.6

Manual Integrations

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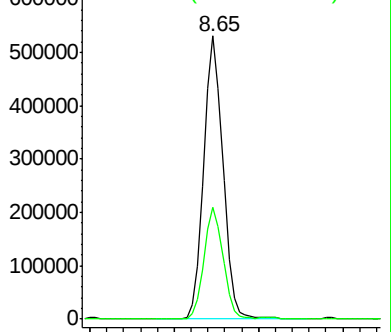
MMDadoda

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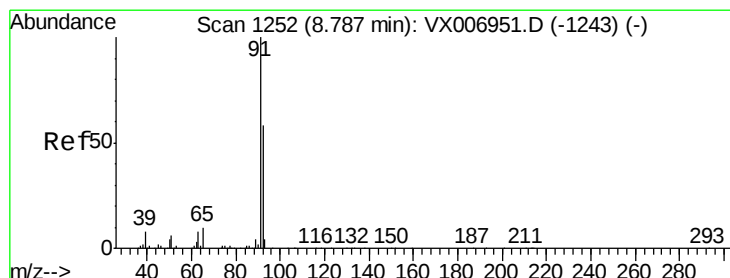
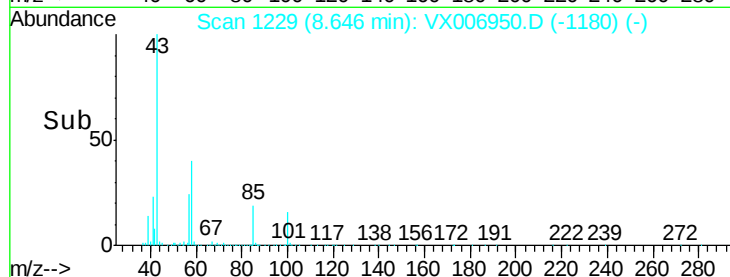


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time--> 8.50 8.60 8.70 8.80



#52

Toluene

Concen: 20.292 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006950.D

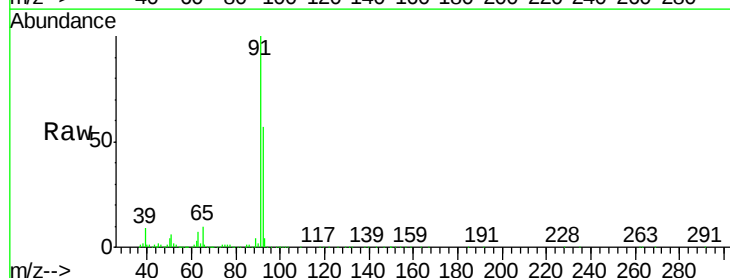
Acq: 08 Jan 2019 12:25

Tgt Ion: 92 Resp: 285836

Ion Ratio Lower Upper

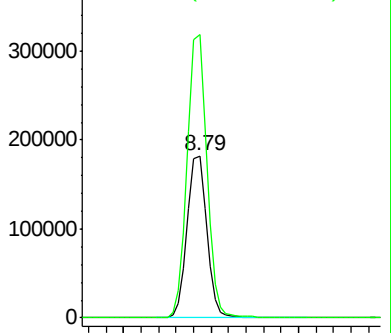
92 100

91 174.8 137.6 206.4

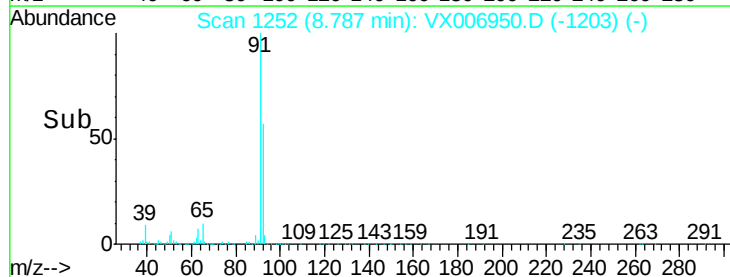


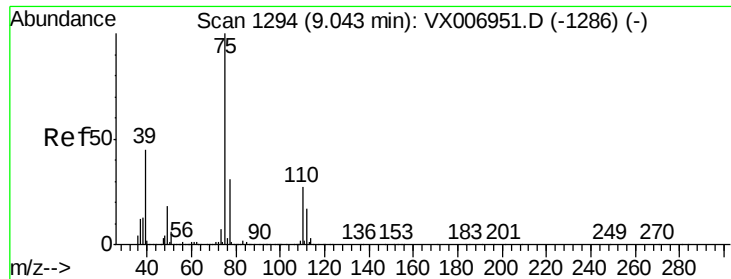
Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time--> 8.70 8.80 8.90





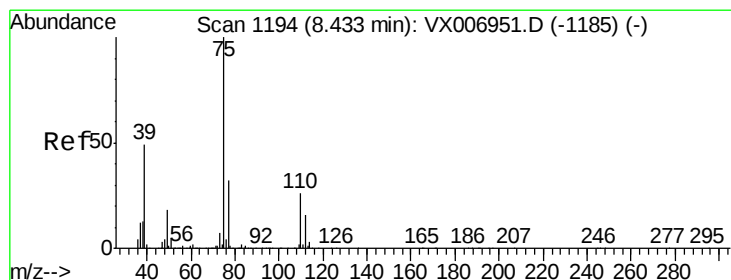
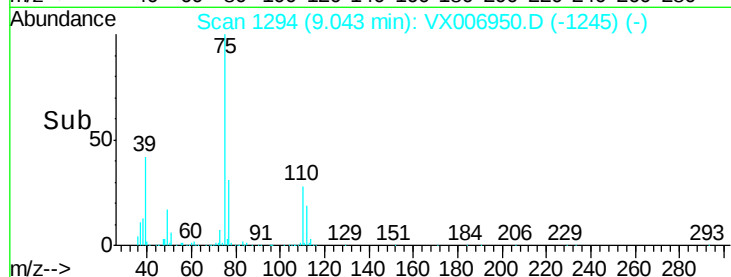
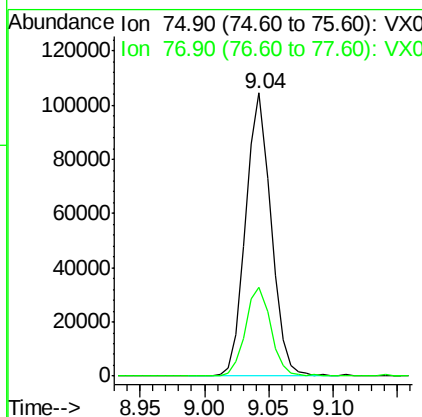
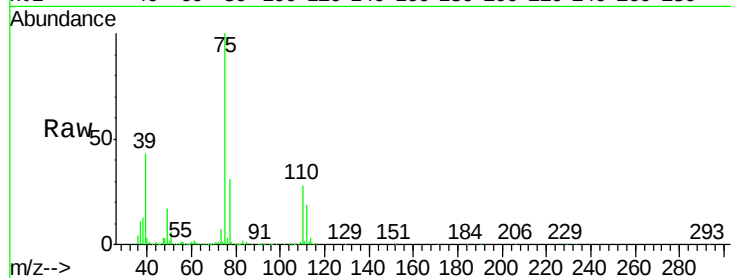
#53
t-1,3-Dichloropropene
Concen: 20.393 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX006950.D
Acq: 08 Jan 2019 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	75	Resp	141711
Ion Ratio	Lower	Upper	
75	100		
77	31.1	25.4	38.0

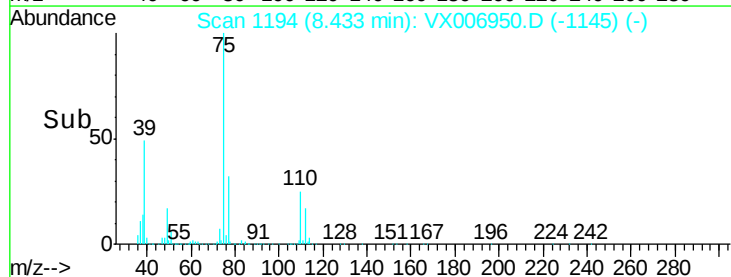
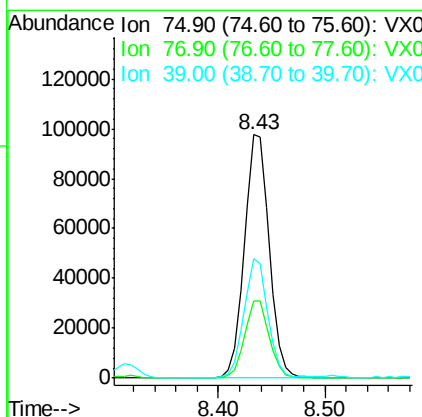
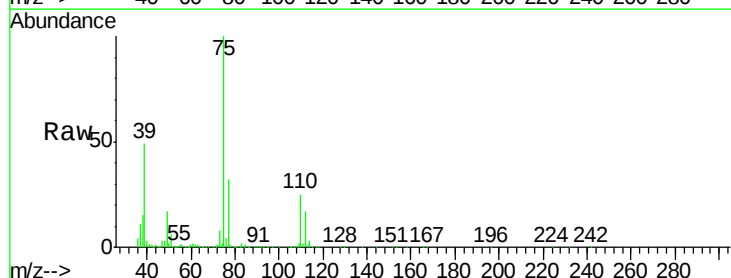
Manual Integrations
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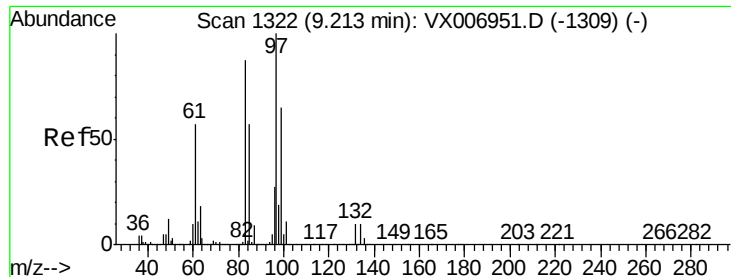
MMDadoda
1/9/2019 10:24:56 AM



#54
cis-1,3-Dichloropropene
Concen: 21.041 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX006950.D
Acq: 08 Jan 2019 12:25

Tgt Ion	75	Resp	160437
Ion Ratio	Lower	Upper	
75	100		
77	31.8	26.2	39.2
39	48.7	36.7	55.1





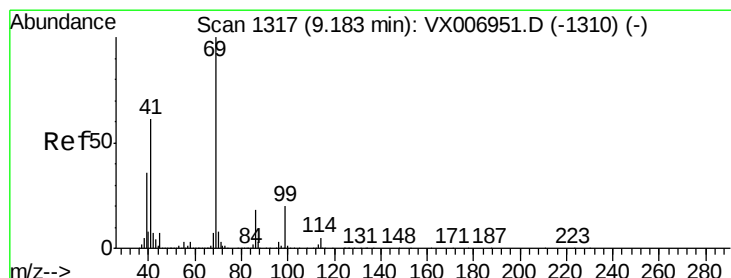
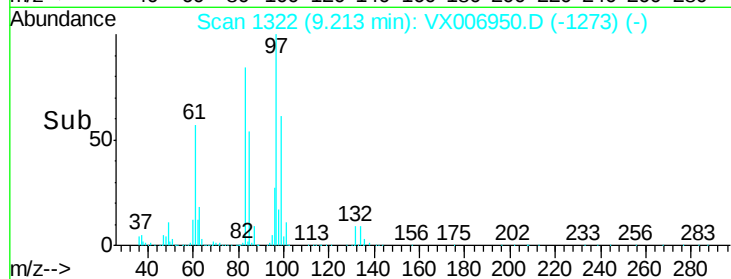
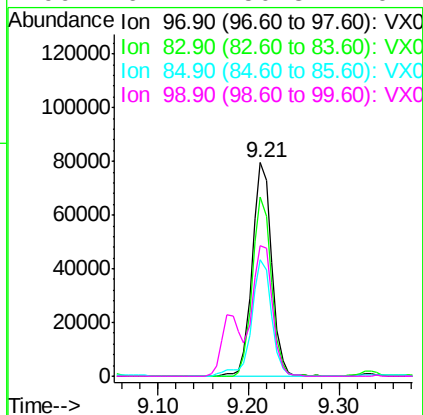
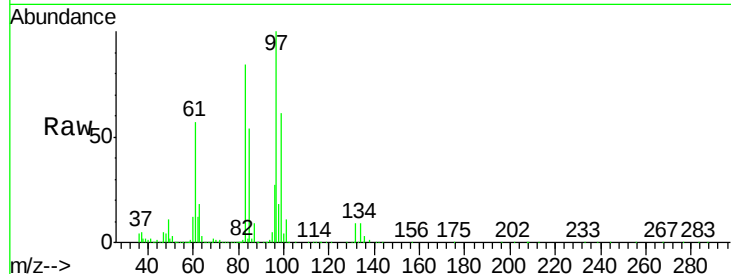
#55
 1,1,2-Trichloroethane
 Concen: 20.522 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX006950.D
 Acq: 08 Jan 2019 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		118323		
83	83.7	66.6	99.8		
85	54.4	42.7	64.1		
99	61.4	50.8	76.2		

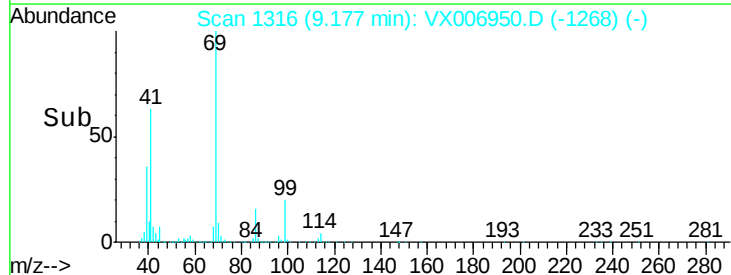
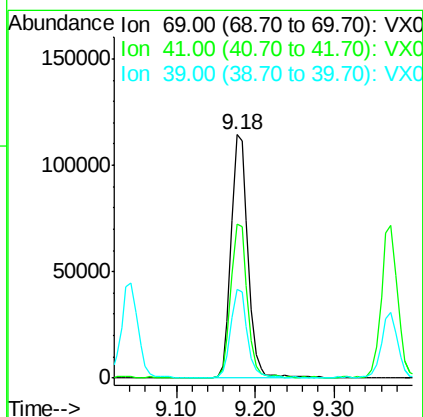
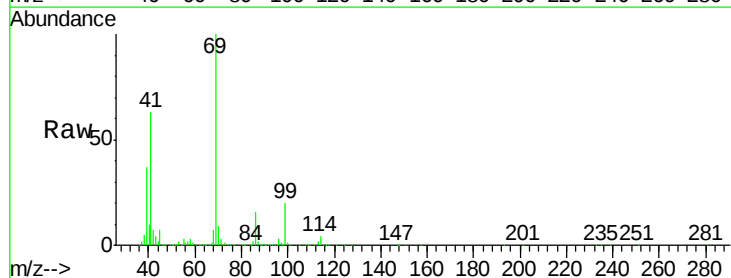
Manual Integrations
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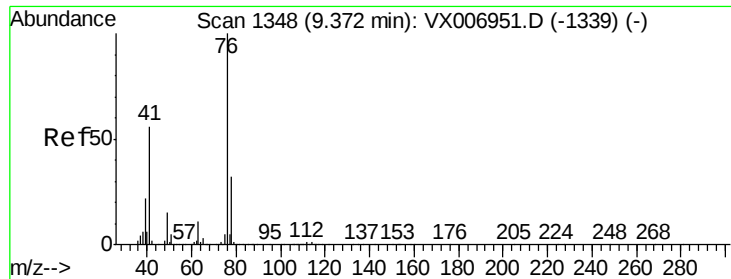
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 1/9/2019 10:24:56 AM



#56
 Ethyl methacrylate
 Concen: 20.935 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VX006950.D
 Acq: 08 Jan 2019 12:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		170597		
41	62.0	48.7	73.1		
39	35.5	27.0	40.6		





#57

1,3-Dichloropropane

Concen: 20.253 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 187868

Ion Ratio Lower Upper

76 100

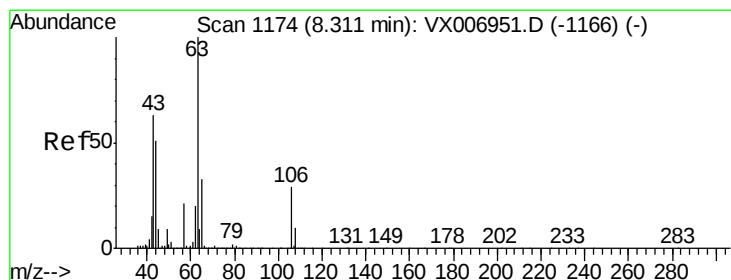
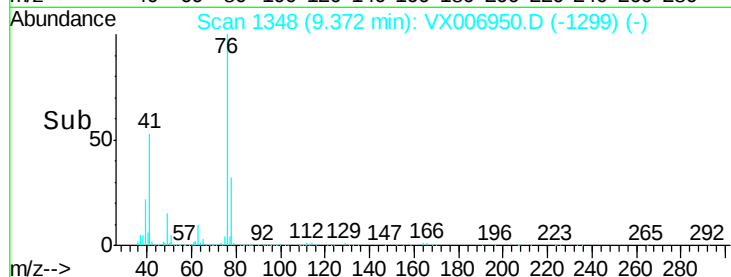
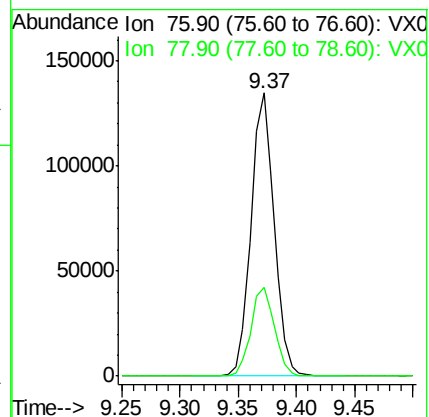
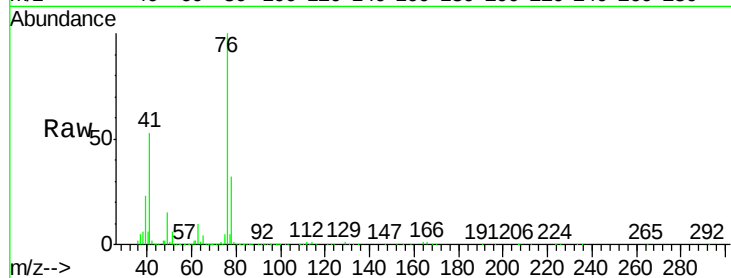
78 32.3 26.0 39.0

Manual Integrations

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1/9/2019 10:24:56 AM



#58

2-Chloroethyl Vinyl ether

Concen: 102.491 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX006950.D

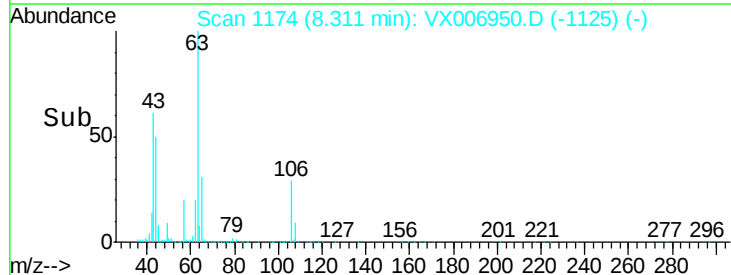
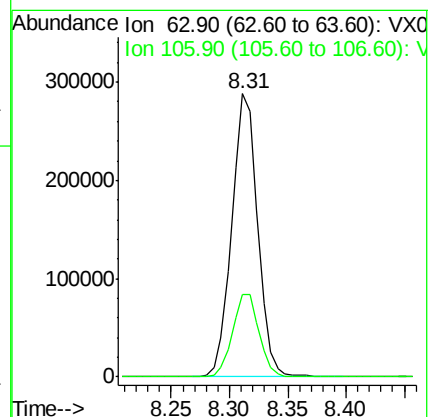
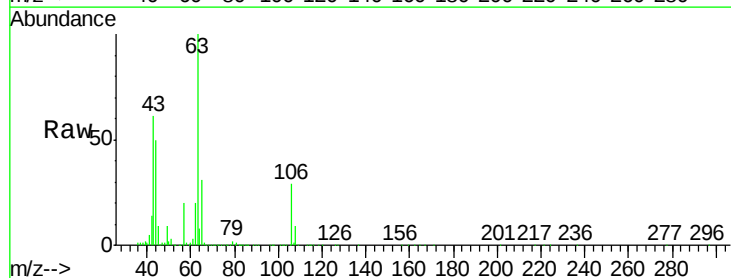
Acq: 08 Jan 2019 12:25

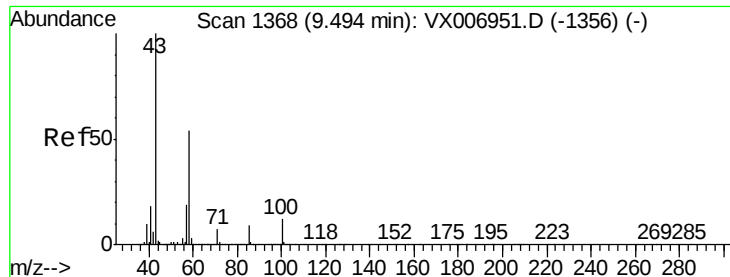
Tgt Ion: 63 Resp: 443959

Ion Ratio Lower Upper

63 100

106 30.3 24.6 36.8





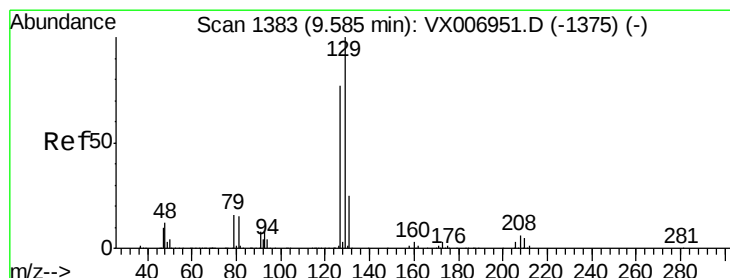
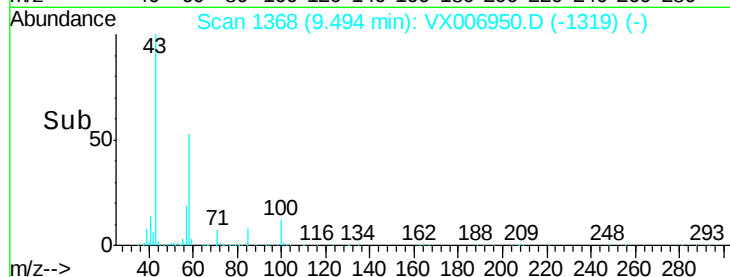
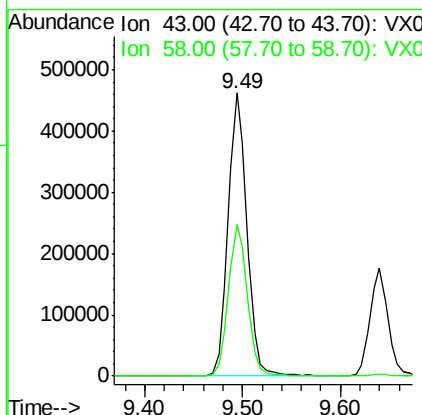
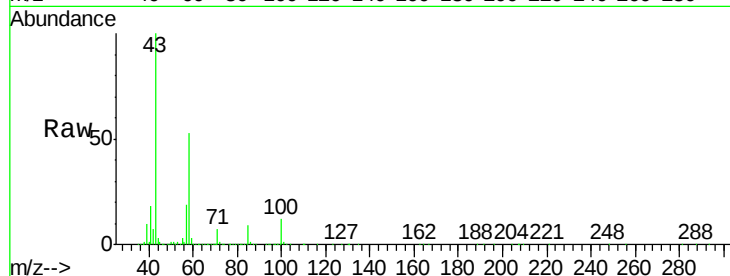
#59
2-Hexanone
Concen: 111.460 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006950.D
Acq: 08 Jan 2019 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 616377
Ion Ratio Lower Upper
43 100
58 54.3 27.7 83.1

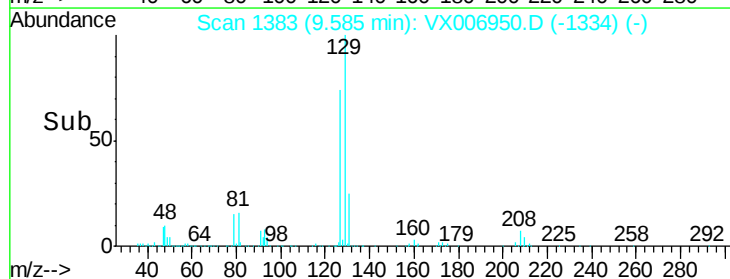
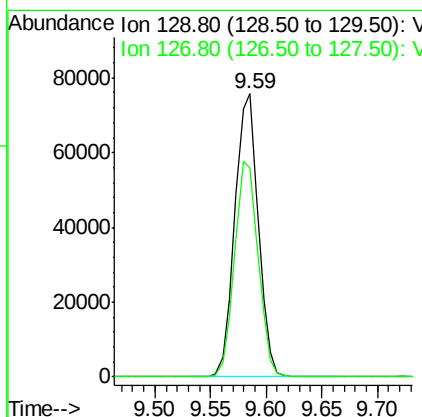
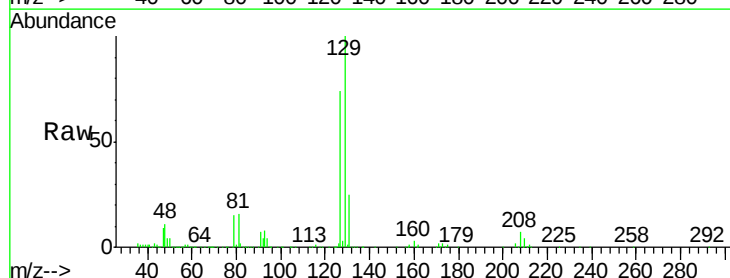
Manual Integrations
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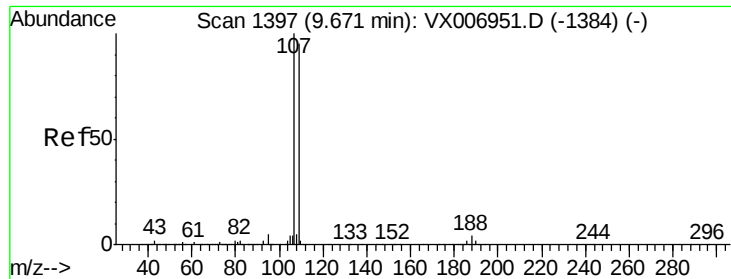
MMDadoda
1/9/2019 10:24:56 AM



#60
Dibromochloromethane
Concen: 20.827 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX006950.D
Acq: 08 Jan 2019 12:25

Tgt Ion: 129 Resp: 110607
Ion Ratio Lower Upper
129 100
127 76.7 39.3 117.8





#61

1,2-Dibromoethane

Concen: 20.906 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 128133

Ion Ratio Lower Upper

107 100

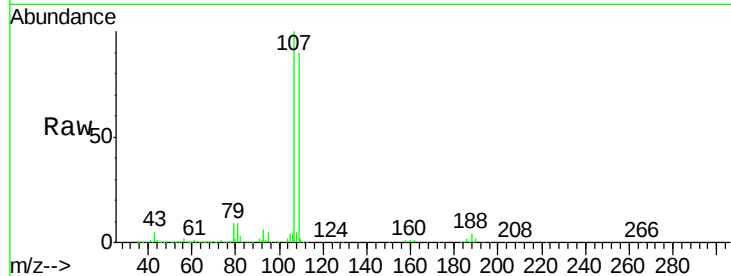
109 91.7 75.8 113.6

Manual Integrations

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MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

100000

80000

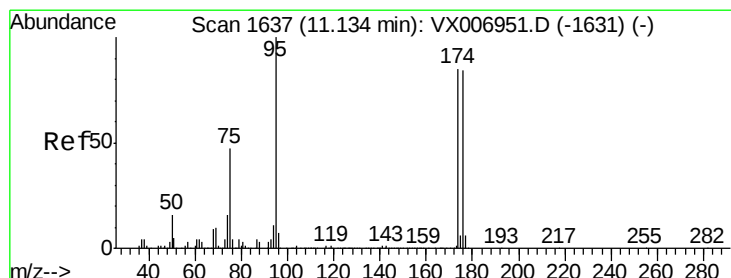
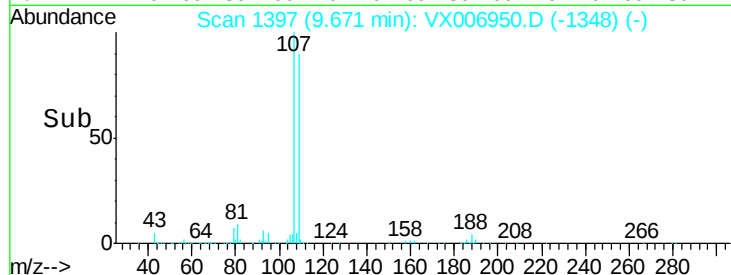
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 18.076 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

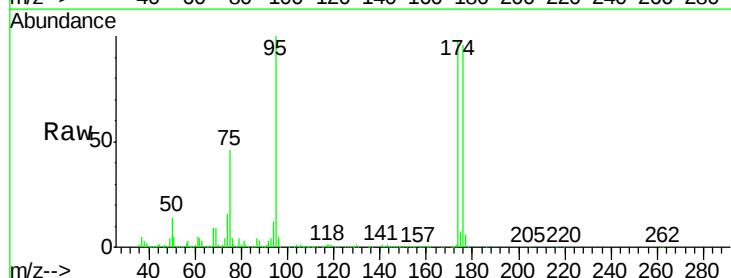
Tgt Ion: 95 Resp: 136694

Ion Ratio Lower Upper

95 100

174 94.9 0.0 182.2

176 90.8 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

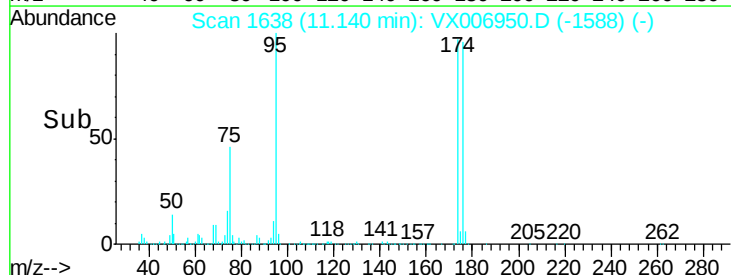
11.14

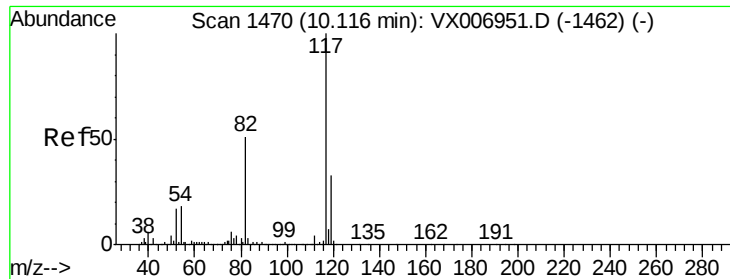
100000

50000

0

Time-->





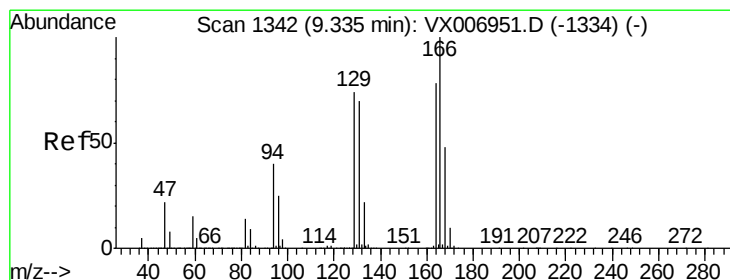
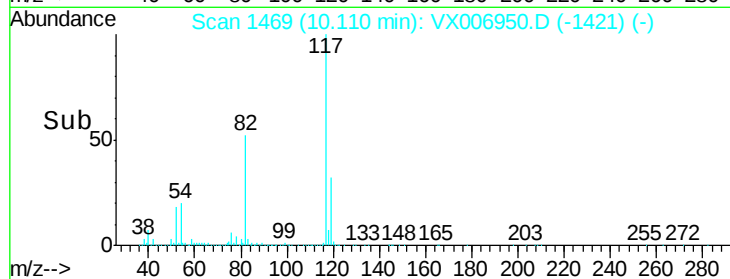
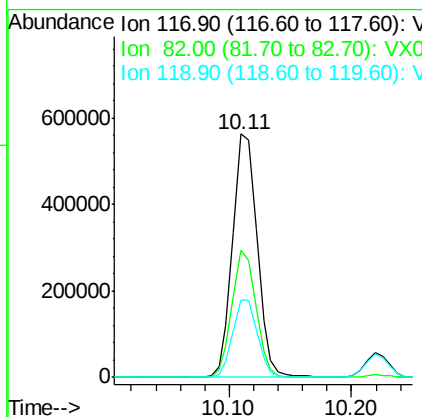
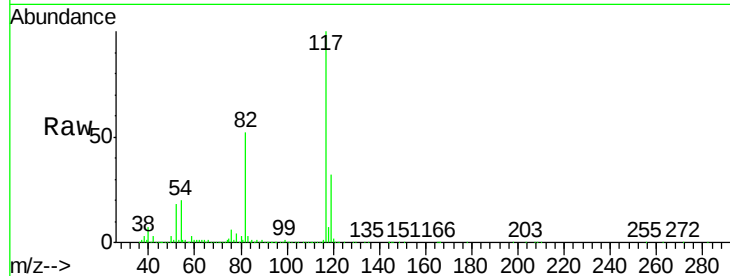
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX006950.D
Acq: 08 Jan 2019 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	784381		
82	52.0		41.0	61.6
119	31.7		25.4	38.0

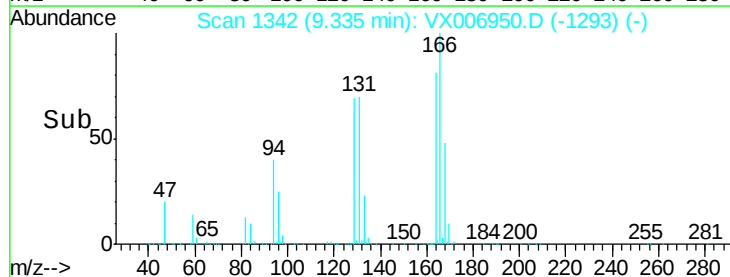
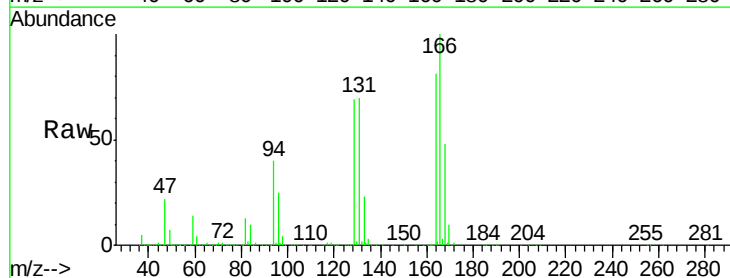
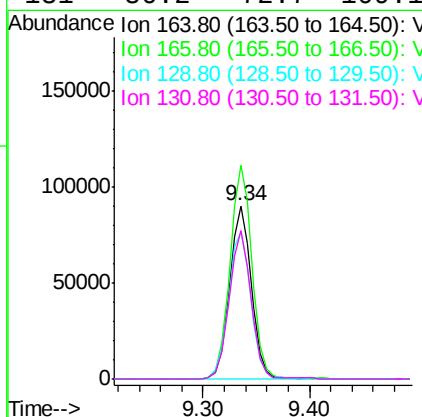
Manual Integrations
APPROVED

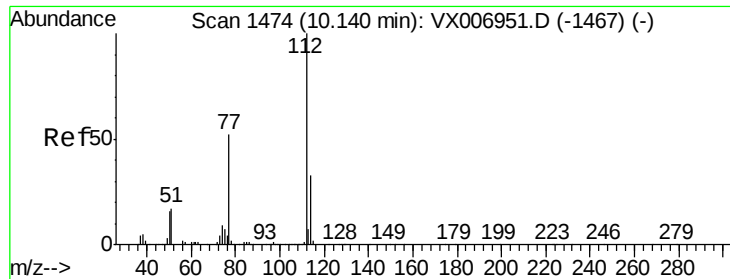
MMDadoda
1/9/2019 10:24:56 AM



#64
Tetrachloroethene
Concen: 20.790 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006950.D
Acq: 08 Jan 2019 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	129126		
166	123.6		102.5	153.7
129	84.9		75.1	112.7
131	86.2		72.7	109.1





#65

Chlorobenzene

Concen: 19.806 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 328667

Ion Ratio Lower Upper

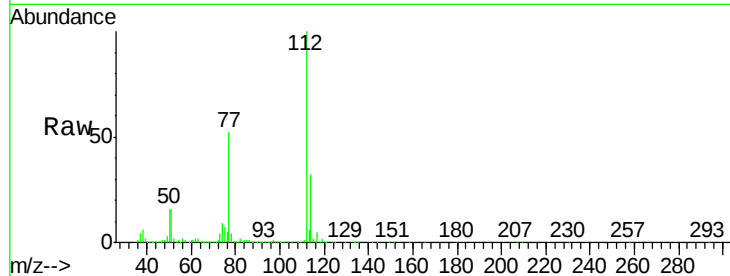
112 100

114 32.3 25.7 38.5

Manual Integrations
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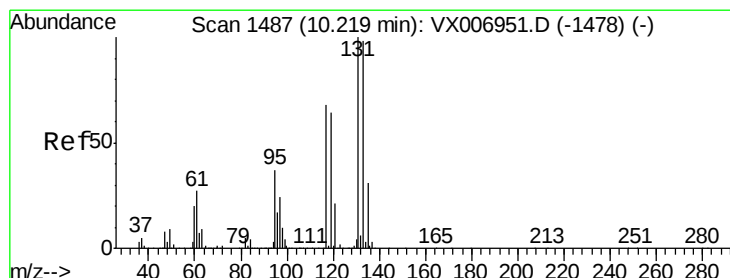
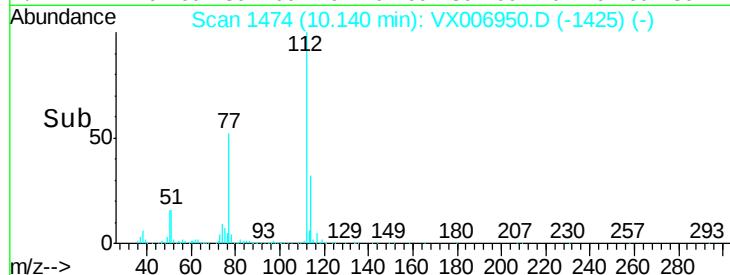
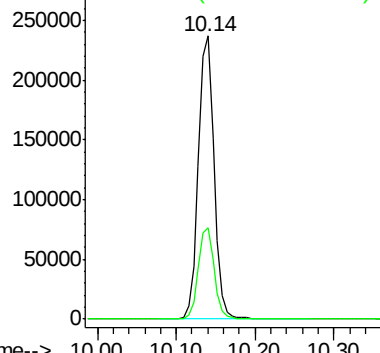
MMDadoda

1/9/2019 10:24:56 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.573 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

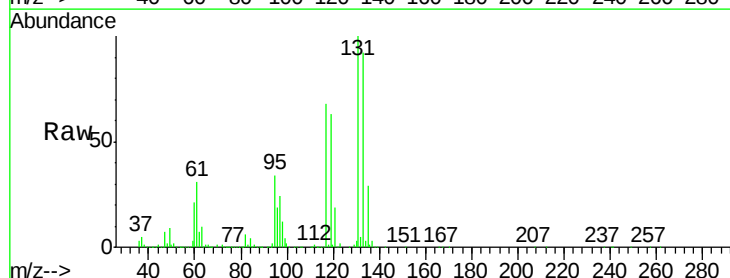
Tgt Ion:131 Resp: 111693

Ion Ratio Lower Upper

131 100

133 95.8 48.0 144.2

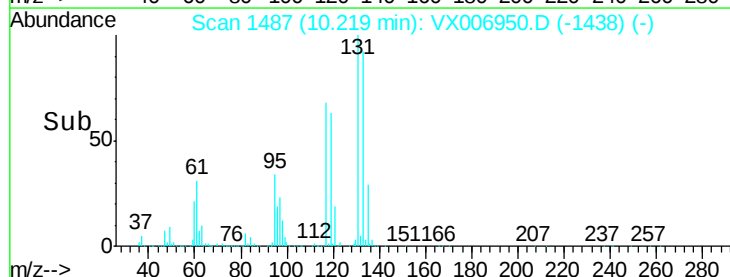
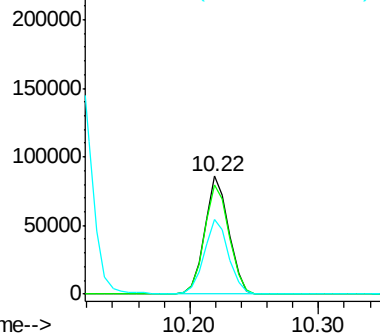
119 64.5 32.6 97.8

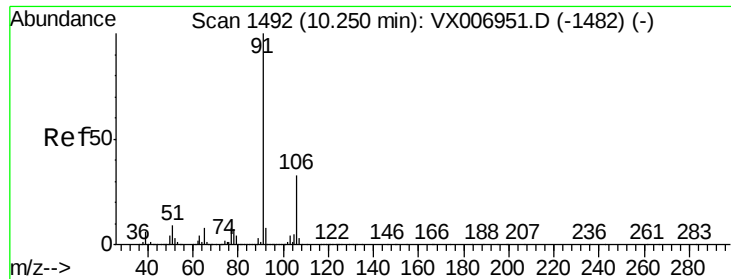


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.743 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 535358

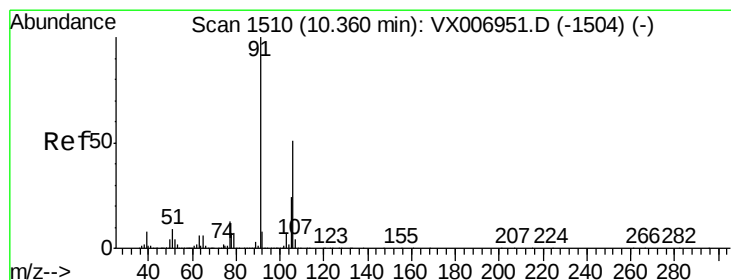
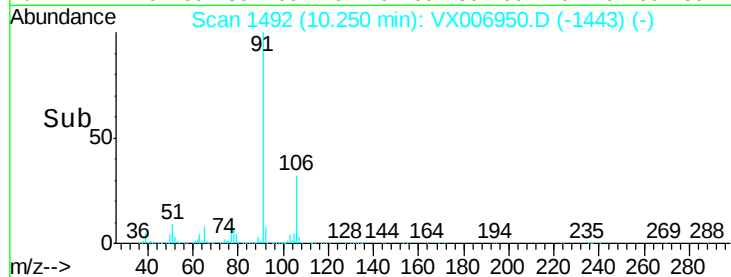
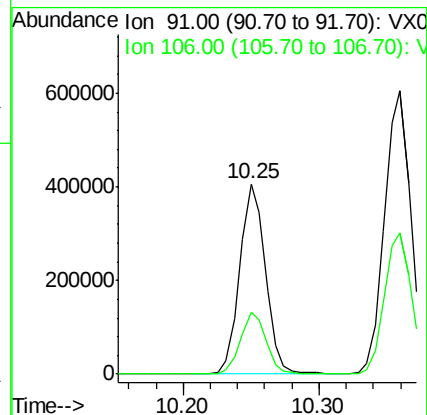
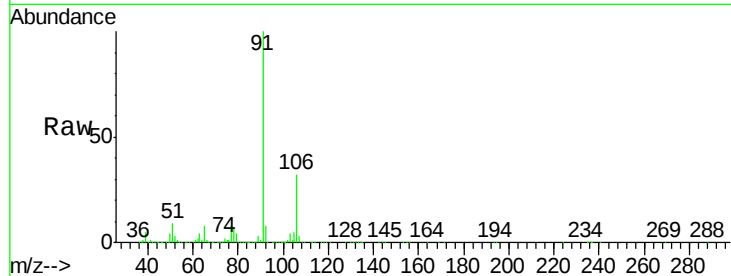
Ion Ratio Lower Upper

91 100

106 32.3 26.4 39.6

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 39.246 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006950.D

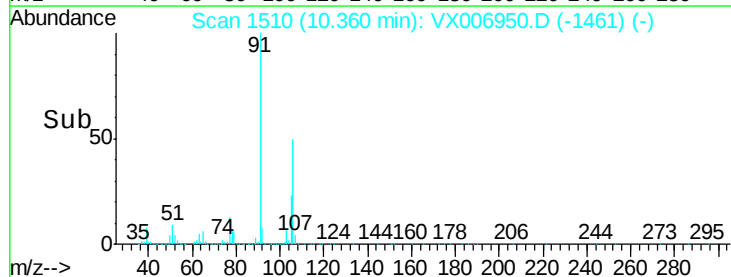
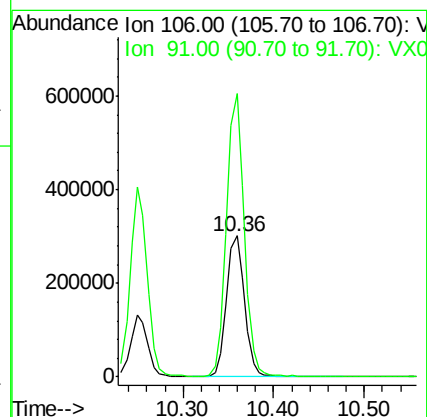
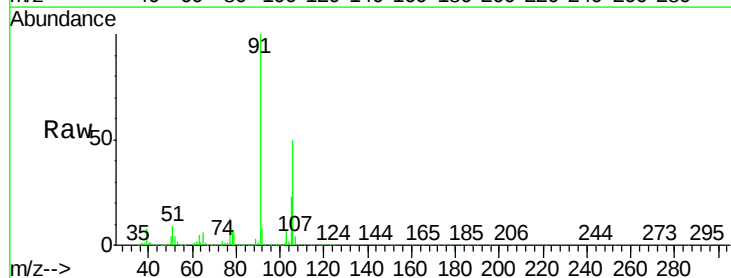
Acq: 08 Jan 2019 12:25

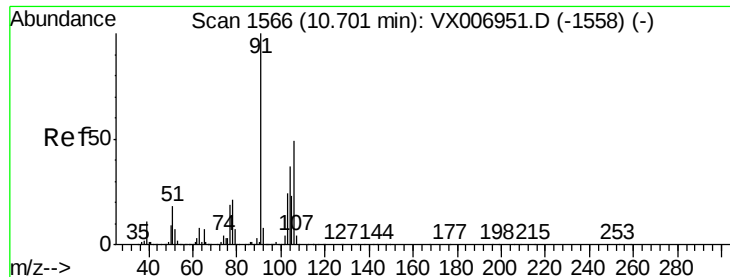
Tgt Ion: 106 Resp: 419926

Ion Ratio Lower Upper

106 100

91 197.3 155.8 233.6





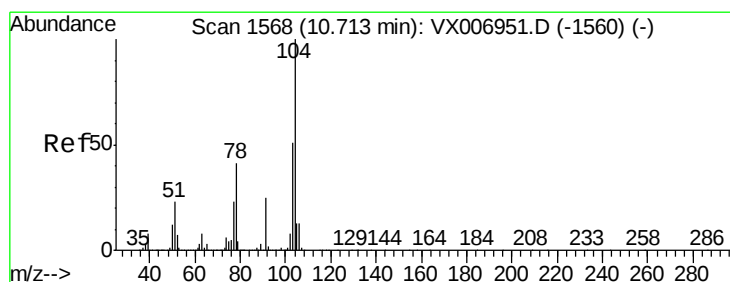
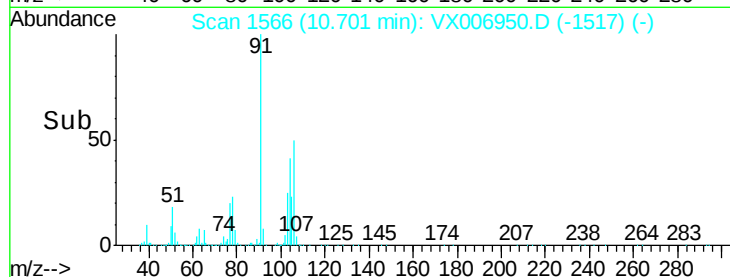
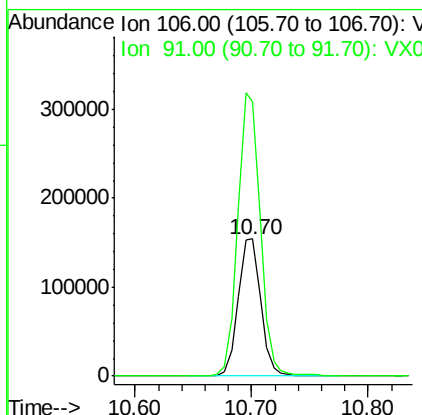
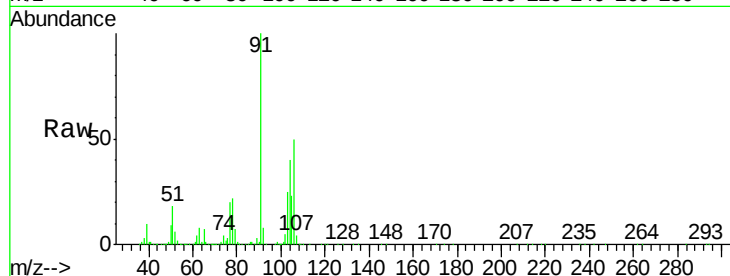
#69
o-Xylene
Concen: 19.821 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006950.D
Acq: 08 Jan 2019 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	204.8	101.3	303.7

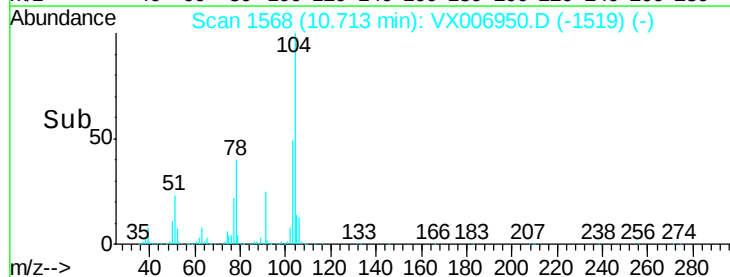
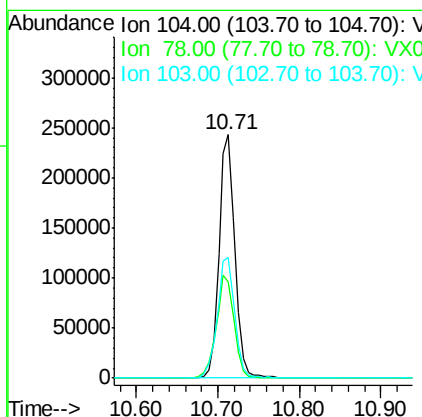
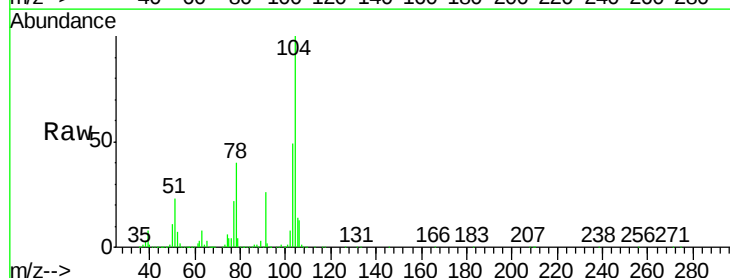
Manual Integrations
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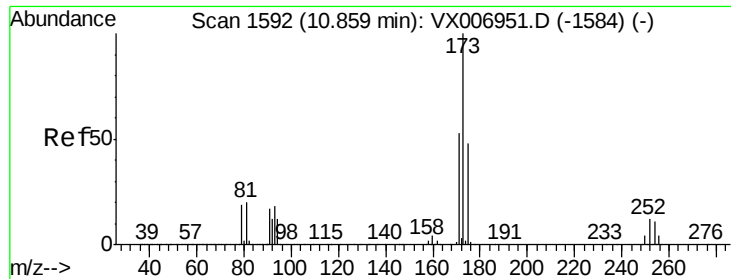
MMDadoda
1/9/2019 10:24:56 AM



#70
Styrene
Concen: 19.864 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006950.D
Acq: 08 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.6	37.7	56.5
103	55.3	43.8	65.8





#71

Bromoform

Concen: 19.970 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Instrument :

MSVOA_X

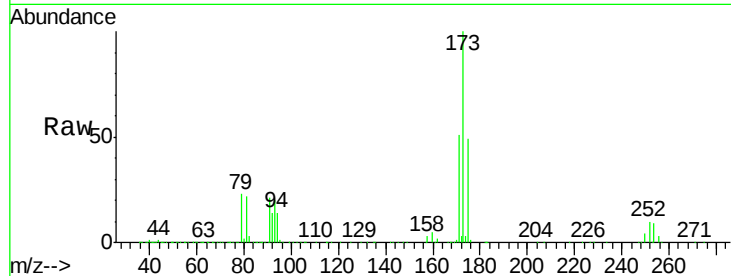
ClientSampleId :

VSTDIC020

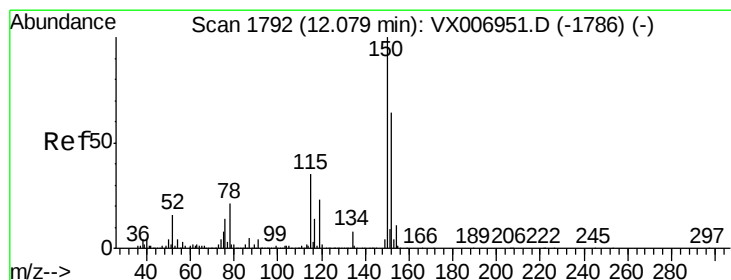
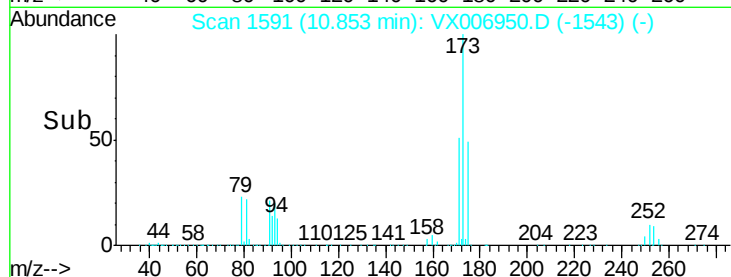
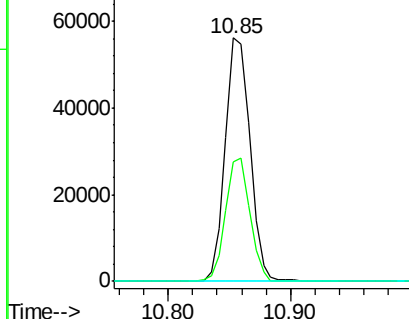
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.7	74.1
254	0.0	0.2	0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

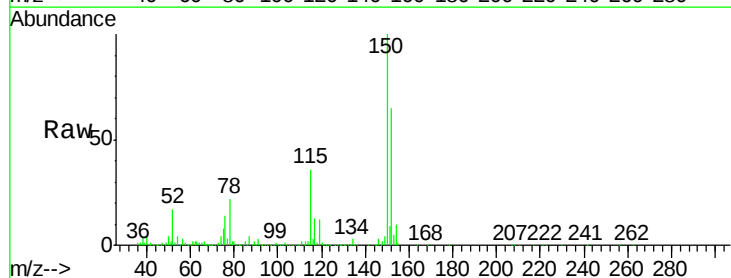
RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

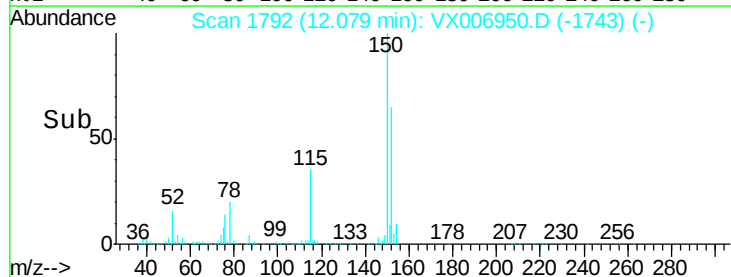
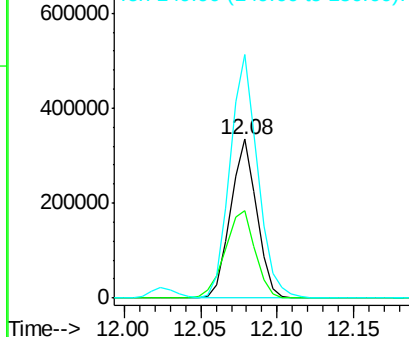
Lab File: VX006950.D

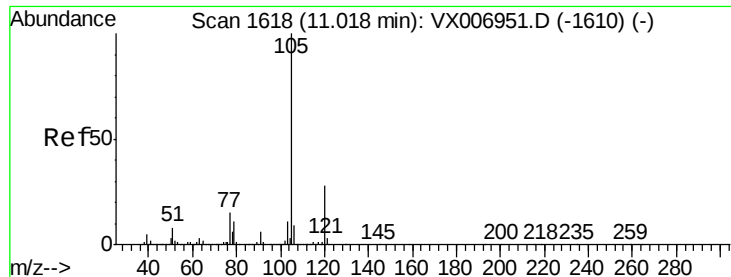
Acq: 08 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.2	39.1	117.2
150	162.6	0.0	344.8



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





#73

Isopropylbenzene

Concen: 20.280 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 549449

Ion Ratio Lower Upper

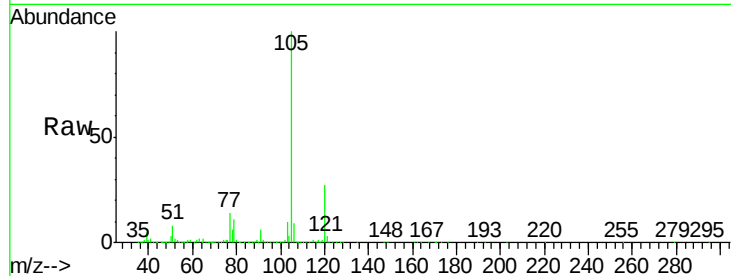
105 100

120 27.7 14.1 42.4

Manual Integrations
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1/9/2019 10:24:56 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

200000

100000

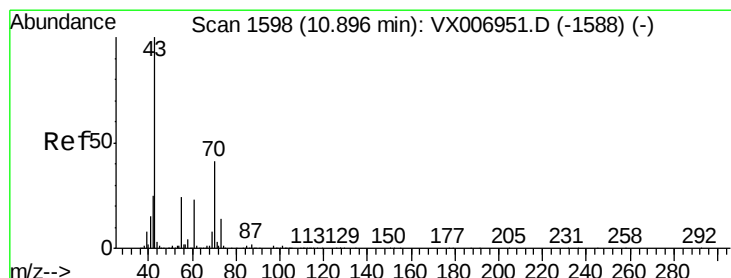
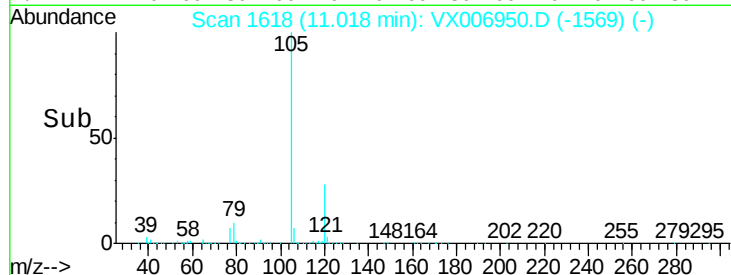
0

11.02

11.00

10.90

Time-->



#74

N-ethyl acetate

Concen: 22.409 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Tgt Ion: 43 Resp: 217323

Ion Ratio Lower Upper

43 100

70 43.7 35.8 53.8

55 24.1 19.4 29.0

61 24.3 20.1 30.1

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

250000

200000

150000

100000

50000

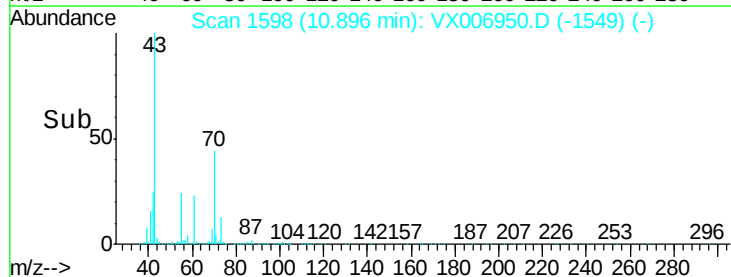
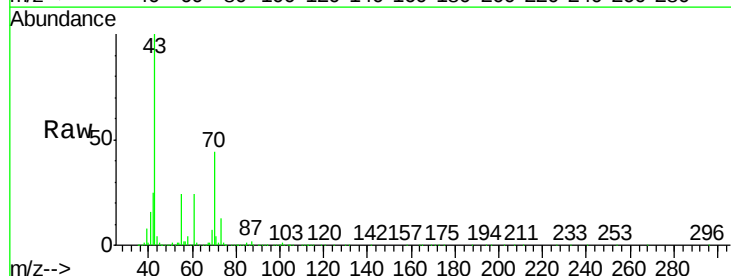
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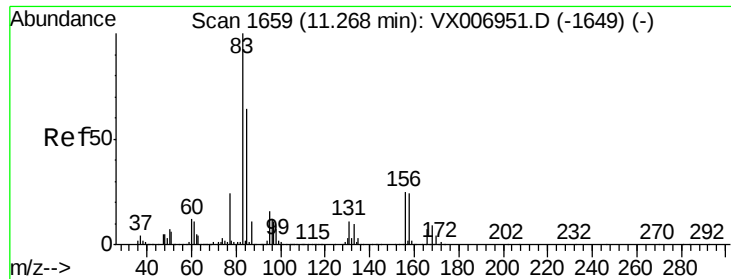
10.90

10.80

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.178 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Instrument :

MSVOA_X

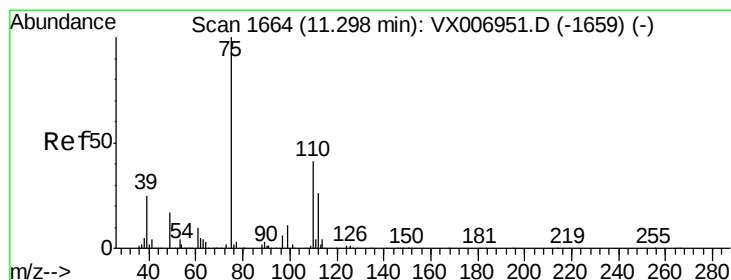
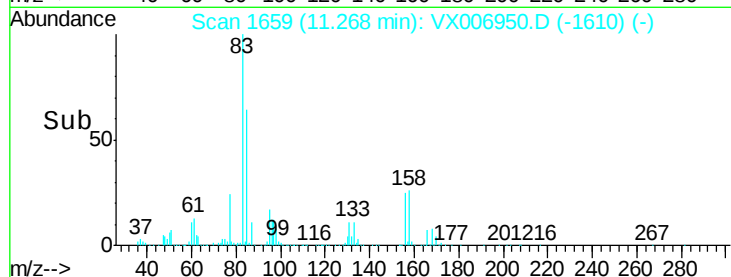
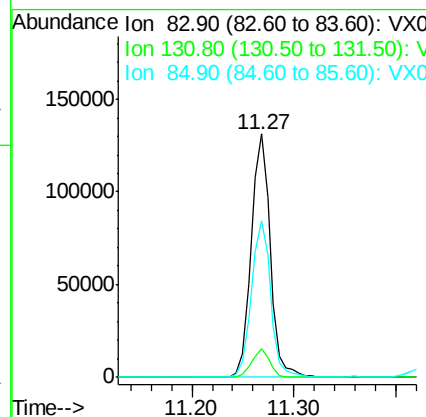
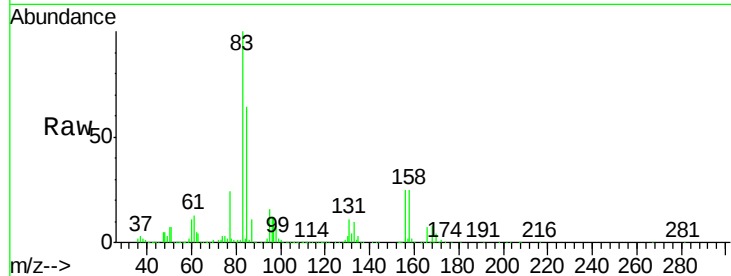
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	170646
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.7	17.1
85	65.2	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 21.492 ug/l m

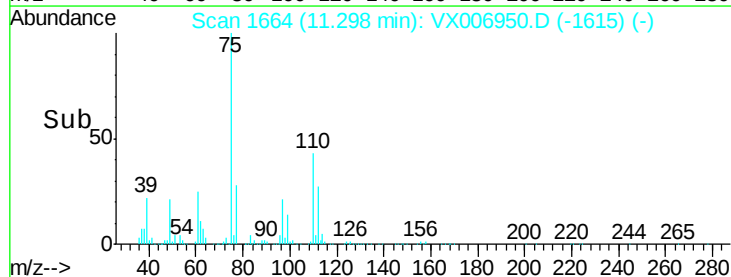
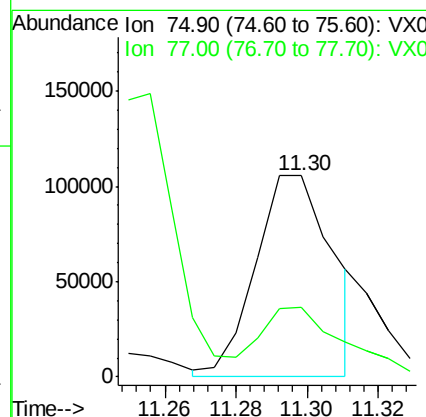
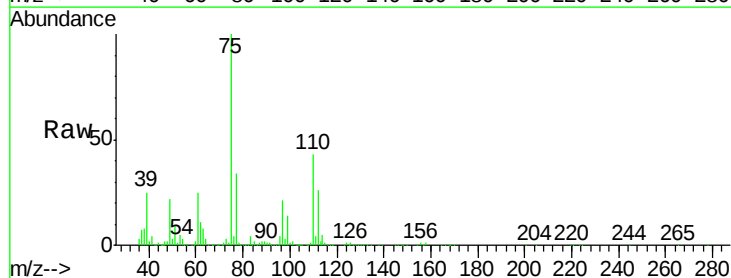
RT: 11.30 min Scan# 1664

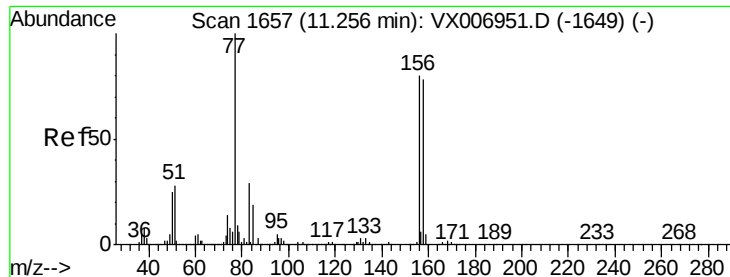
Delta R.T. 0.00 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Tgt Ion:	75	Resp:	158182
Ion Ratio	Lower	Upper	
75	100		
77	37.2	18.5	55.5





#77

Bromobenzene

Concen: 20.415 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Instrument :

MSVOA_X

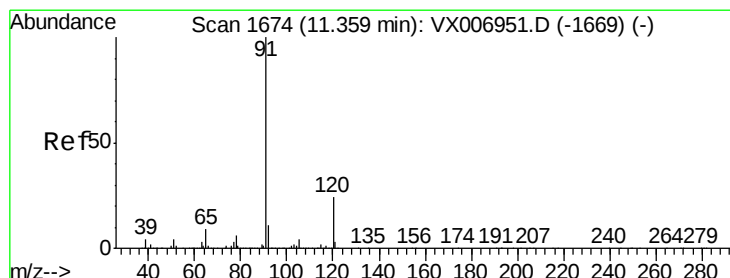
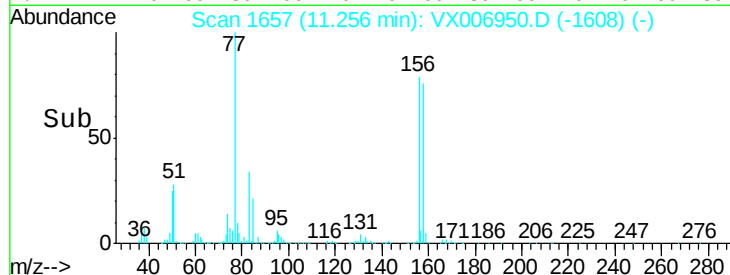
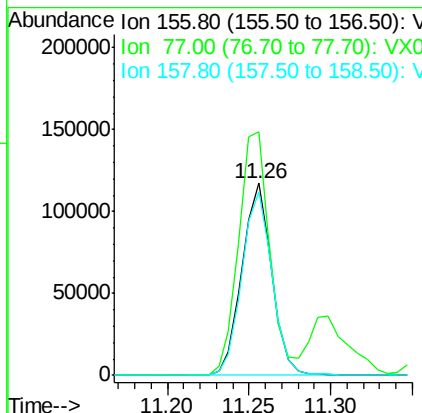
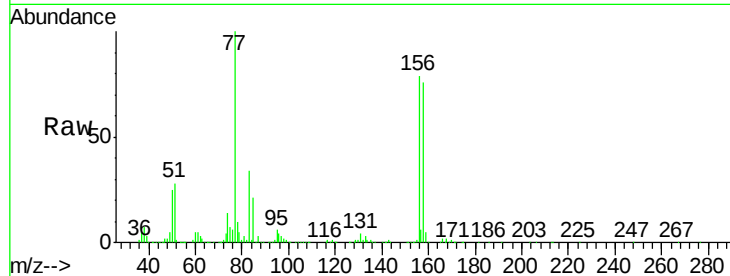
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	149534
Ion Ratio	Lower	Upper	
156	100		
77	133.7	68.0	204.0
158	97.7	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 20.092 ug/l

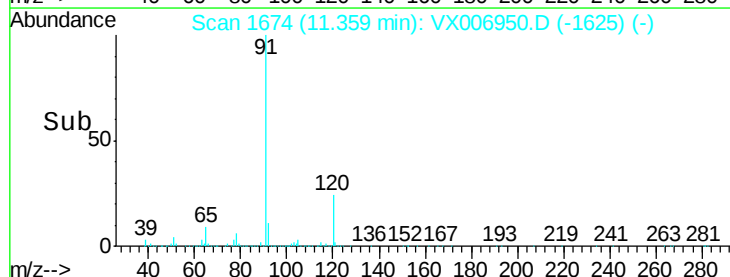
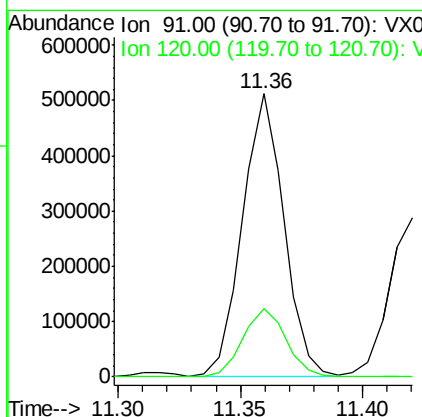
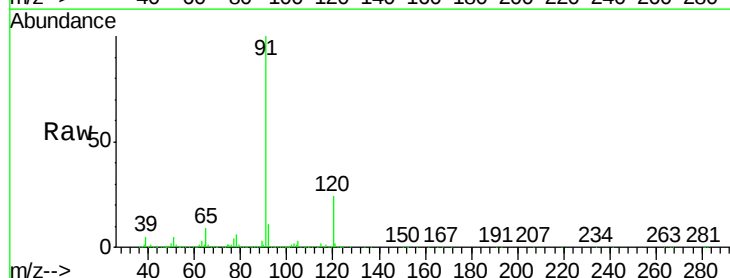
RT: 11.36 min Scan# 1674

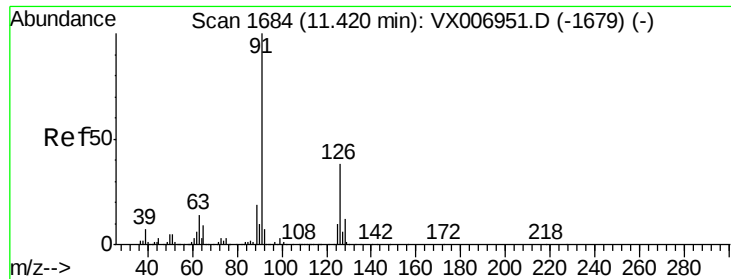
Delta R.T. 0.00 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Tgt Ion:	91	Resp:	599446
Ion Ratio	Lower	Upper	
91	100		
120	25.2	12.7	38.0





#79

2-Chlorotoluene

Concen: 19.771 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 357467

Ion Ratio Lower Upper

91 100

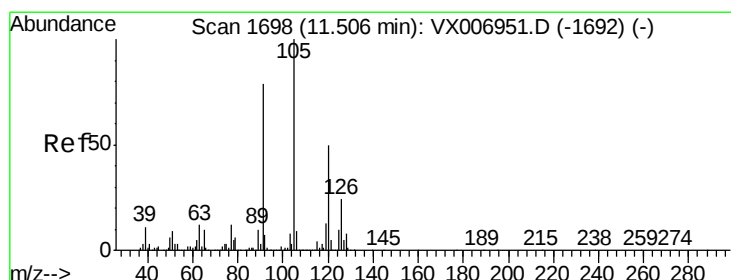
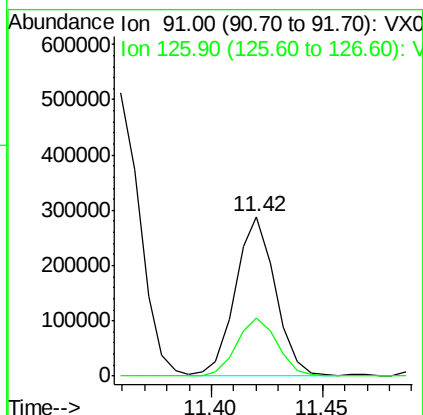
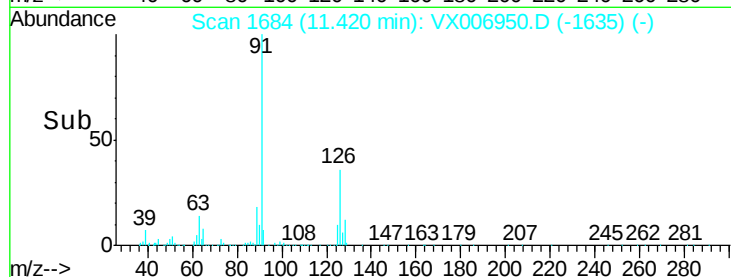
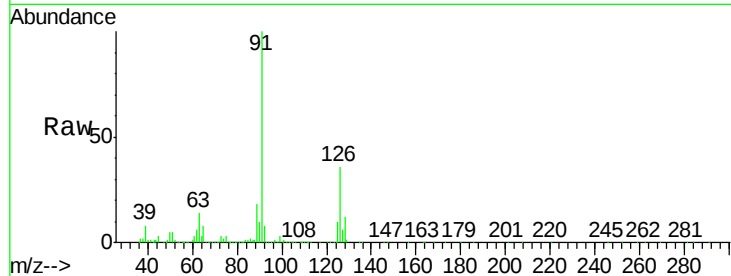
126 37.0 18.6 56.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.303 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006950.D

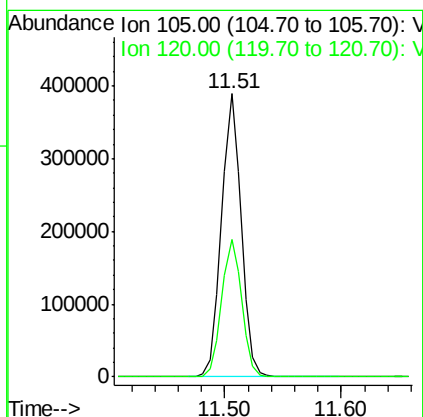
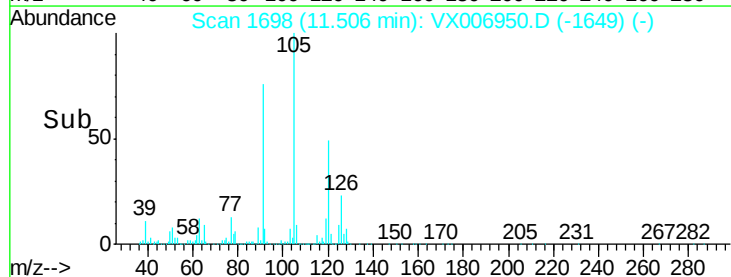
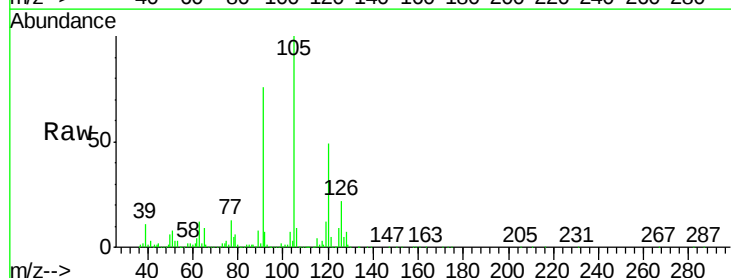
Acq: 08 Jan 2019 12:25

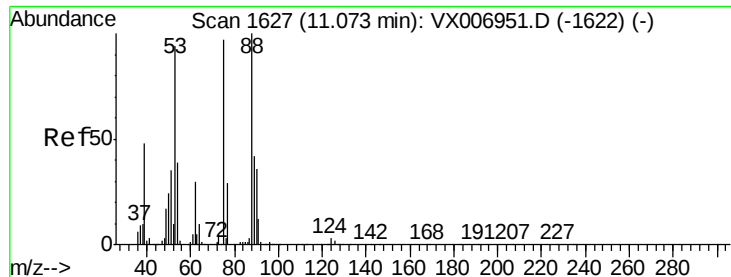
Tgt Ion: 105 Resp: 453073

Ion Ratio Lower Upper

105 100

120 49.9 25.1 75.3





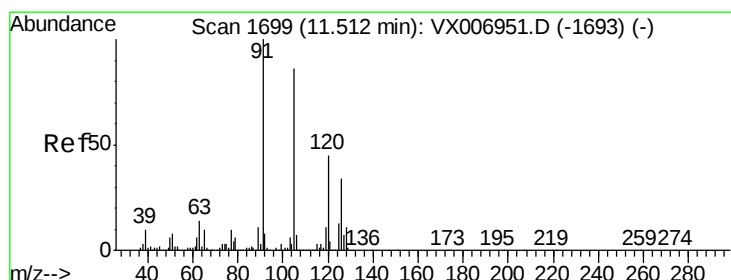
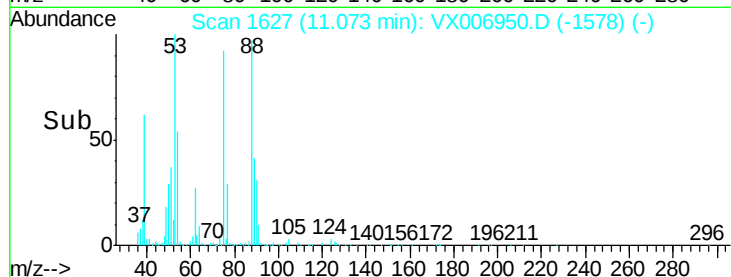
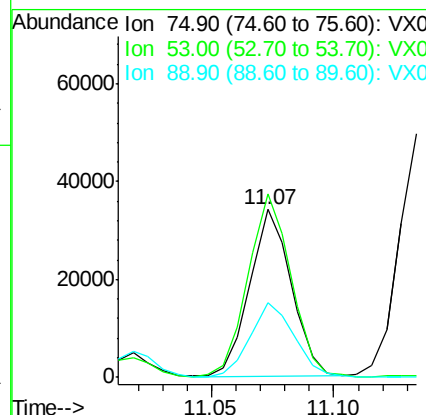
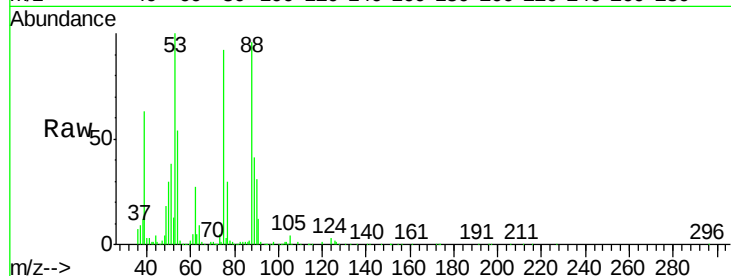
#81
trans-1,4-Dichloro-2-butene
Concen: 19.682 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006950.D
Acq: 08 Jan 2019 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.0	79.7	119.5
89	48.2	38.0	57.0

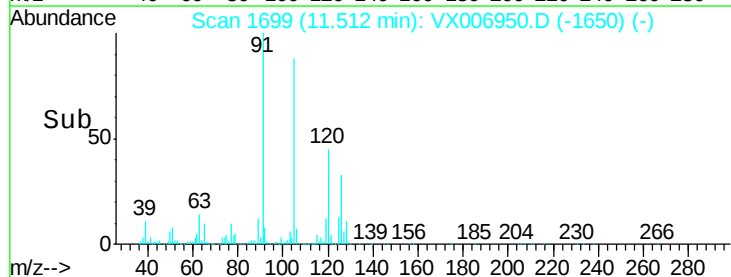
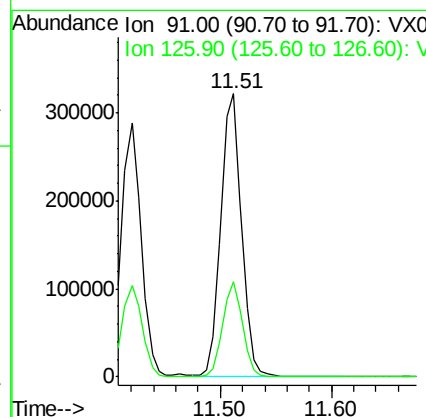
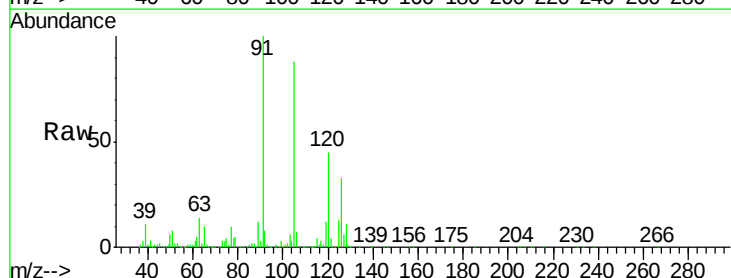
Manual Integrations
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#82
4-Chlorotoluene
Concen: 19.948 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX006950.D
Acq: 08 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.3	48.9





#83

tert-Butylbenzene

Concen: 20.294 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Instrument :

MSVOA_X

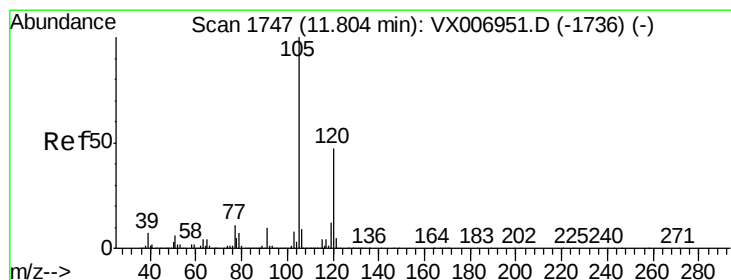
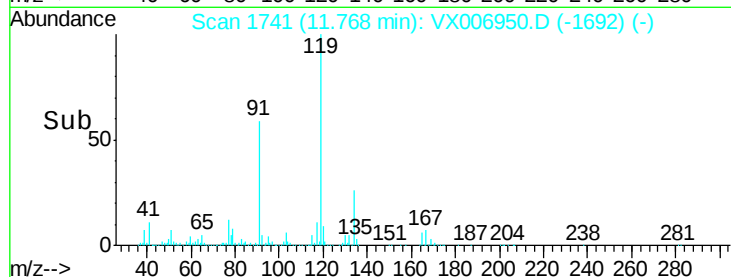
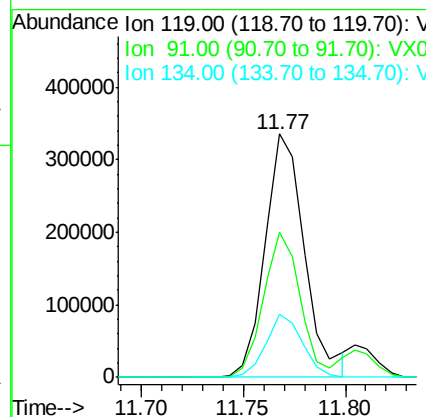
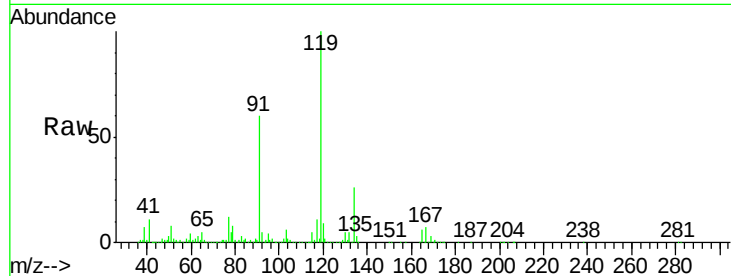
ClientSampled :

VSTDIC020

Tot Ion:	119	Resp:	453256
Ion Ratio	Lower	Upper	
119	100		
91	55.2	27.7	83.1
134	24.0	11.9	35.5

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#84

1,2,4-Trimethylbenzene

Concen: 19.484 ug/l

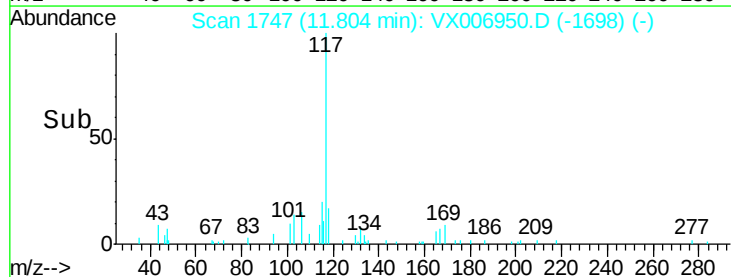
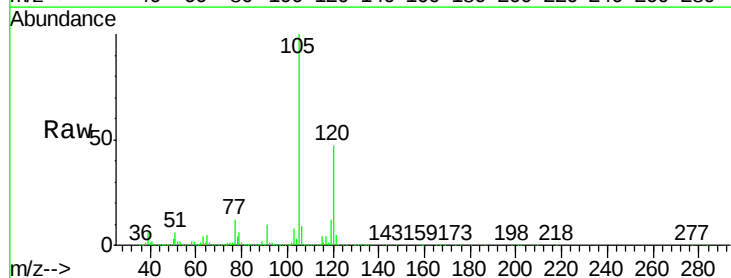
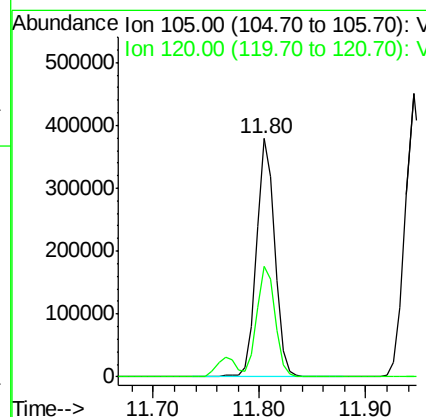
RT: 11.80 min Scan# 1747

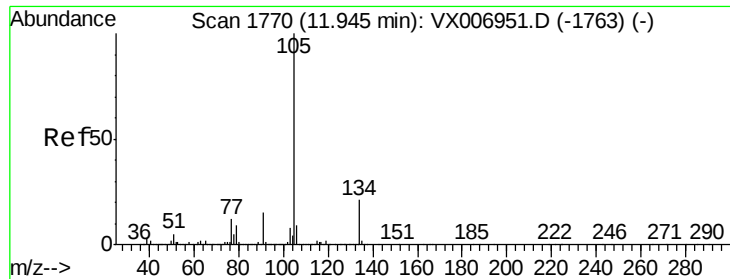
Delta R.T. 0.00 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Tgt Ion:	105	Resp:	457345
Ion Ratio	Lower	Upper	
105	100		
120	46.2	23.2	69.6





#85

sec-Butylbenzene

Concen: 19.695 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 539323

Ion Ratio Lower Upper

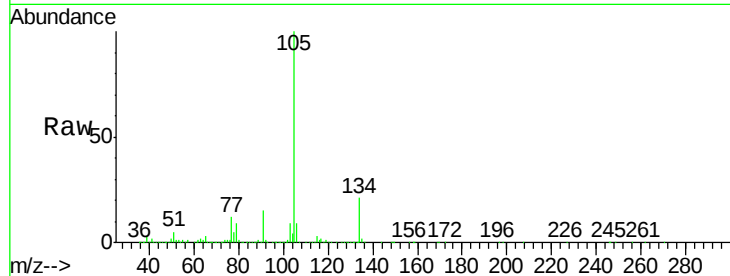
105 100

134 21.2 10.7 31.9

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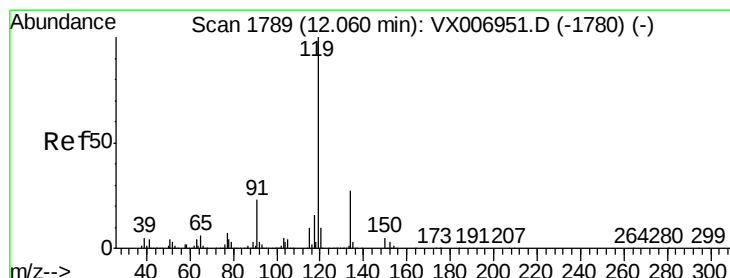
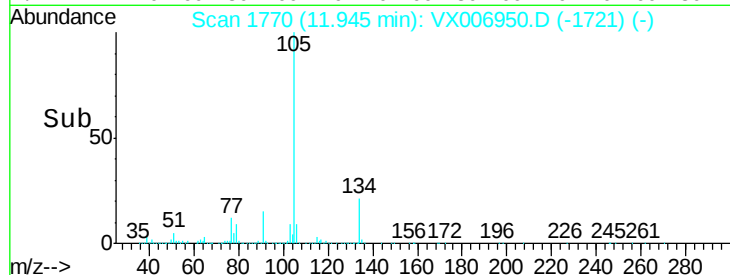
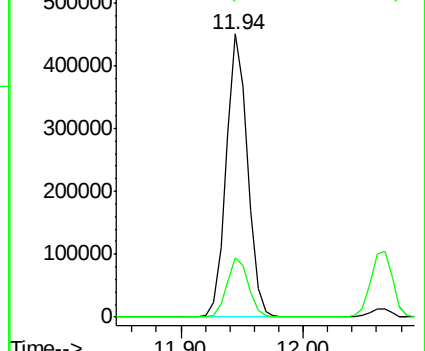
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.081 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX006950.D

Acq: 08 Jan 2019 12:25

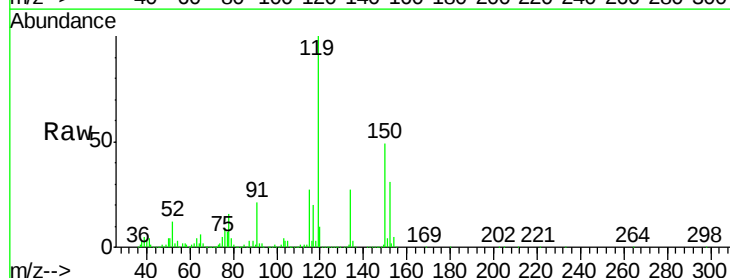
Tgt Ion:119 Resp: 483370

Ion Ratio Lower Upper

119 100

134 27.1 14.0 41.9

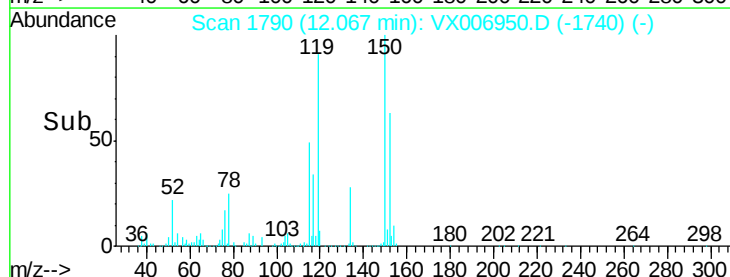
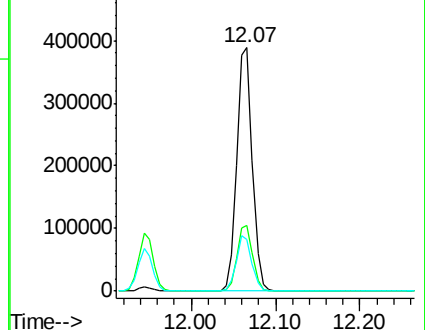
91 22.5 11.3 33.9

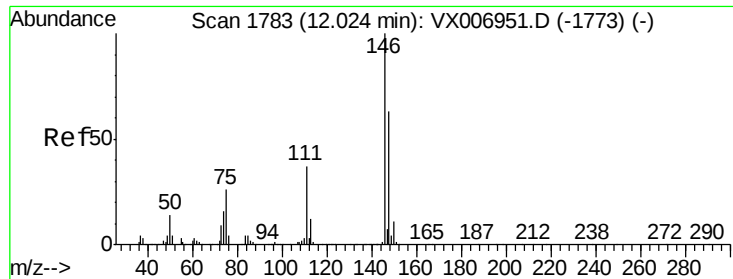


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





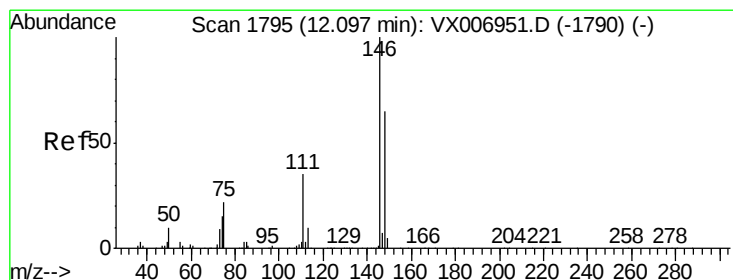
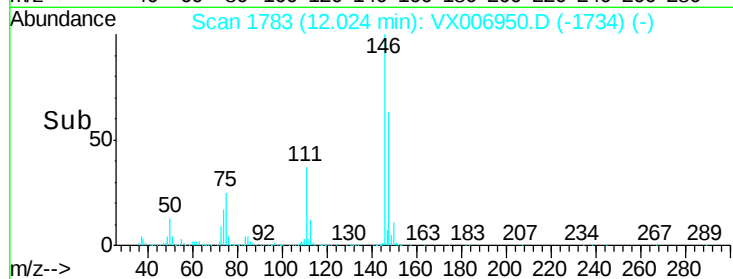
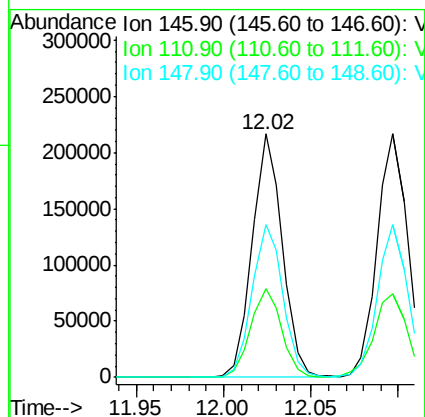
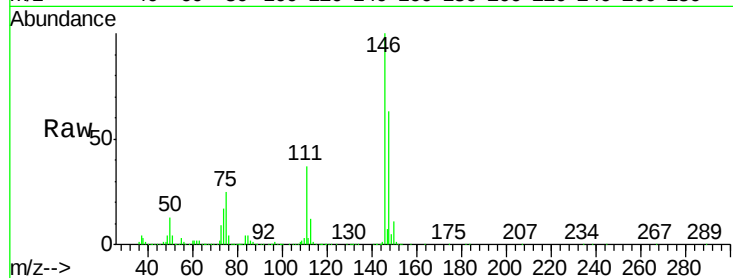
#87
 1,3-Dichlorobenzene
 Concen: 19.614 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX006950.D
 Acq: 08 Jan 2019 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.6	55.8
148	63.9	31.8	95.3

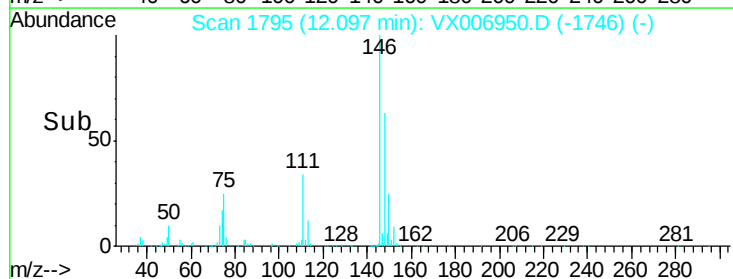
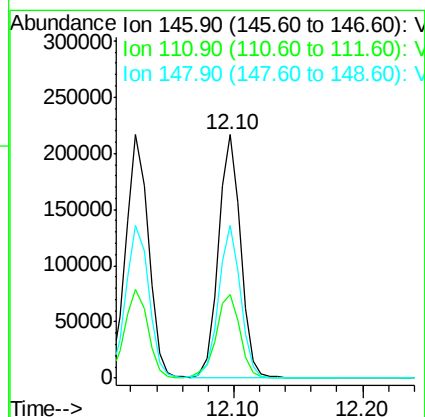
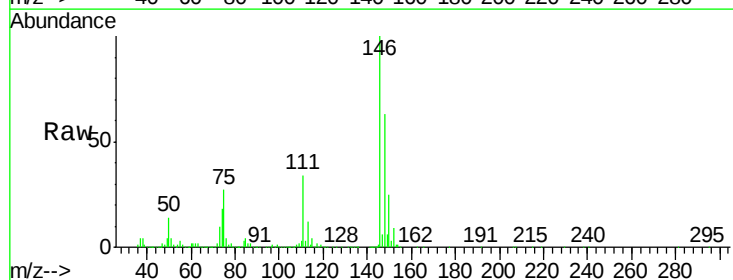
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#88
 1,4-Dichlorobenzene
 Concen: 19.480 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006950.D
 Acq: 08 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.1	54.1
148	62.4	31.9	95.9





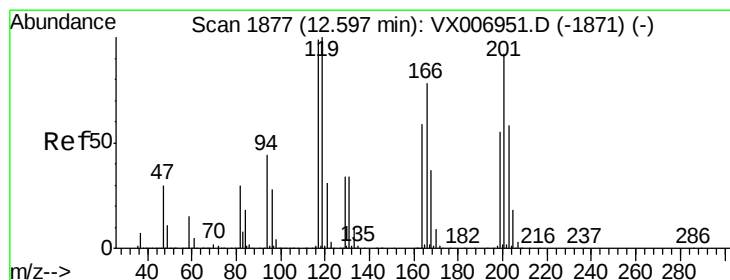
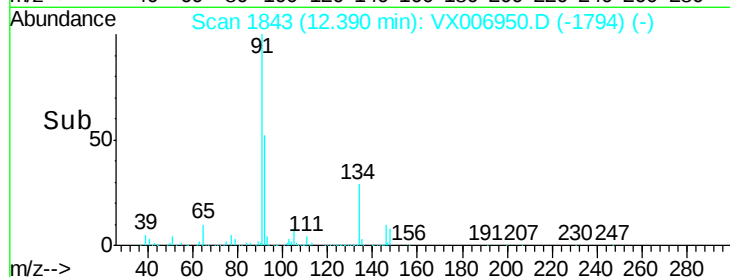
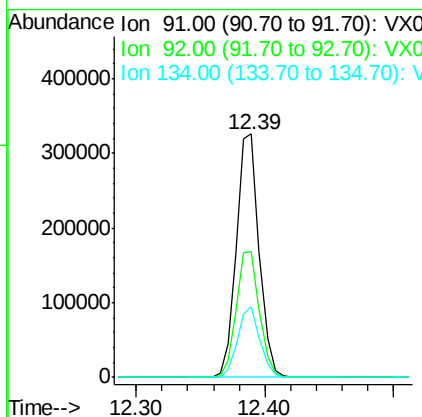
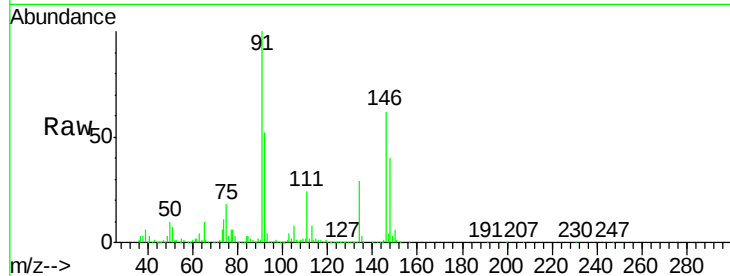
#89
n-Butylbenzene
Concen: 19.528 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006950.D
Acq: 08 Jan 2019 12:25

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.8	80.4
134	28.5	14.4	43.2

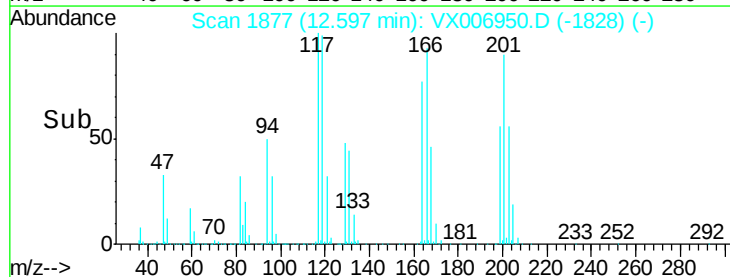
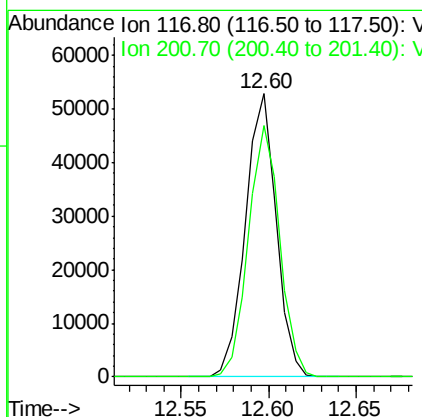
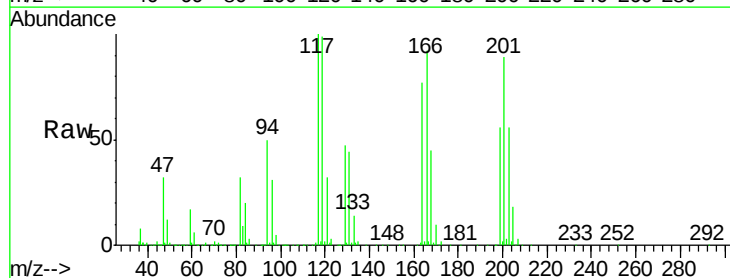
Manual Integrations
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#90
Hexachloroethane
Concen: 19.729 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006950.D
Acq: 08 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.5	42.9	128.7





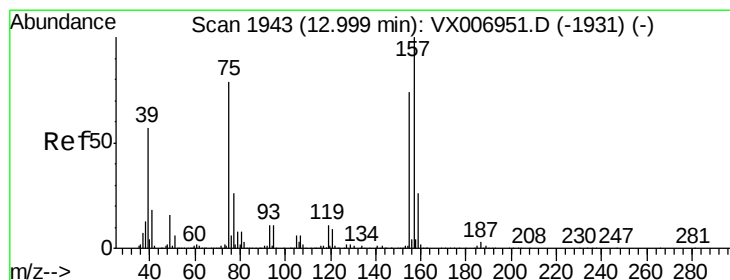
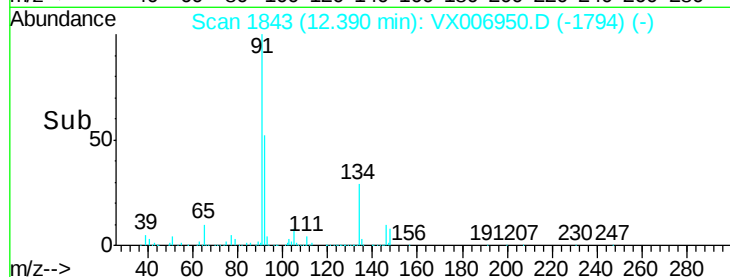
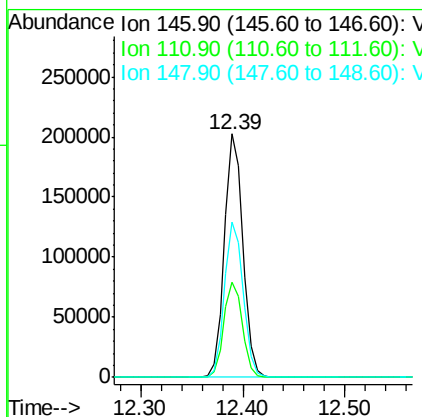
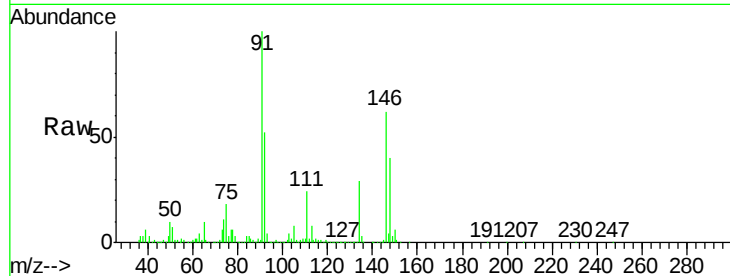
#91
 1,2-Dichlorobenzene
 Concen: 19.385 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX006950.D
 Acq: 08 Jan 2019 12:25

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.4	58.2
148	64.1	32.3	96.9

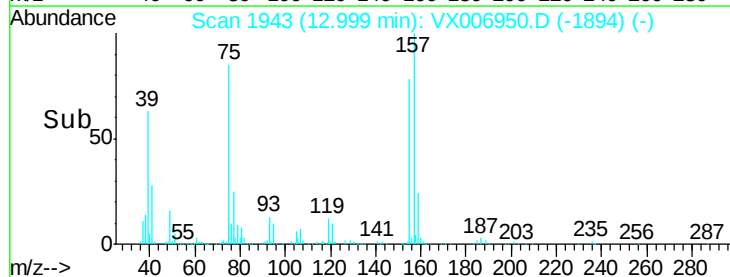
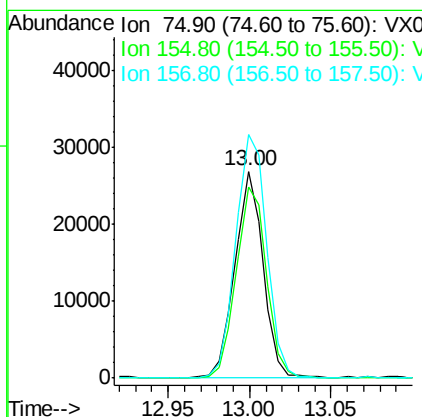
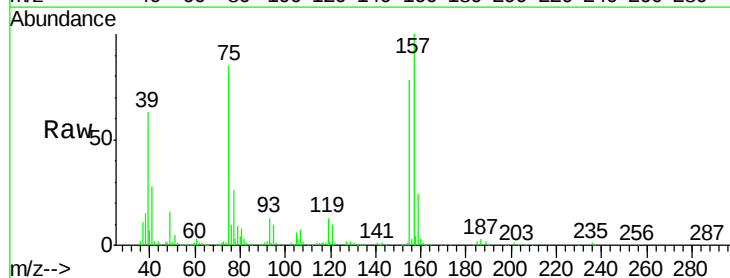
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.532 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX006950.D
 Acq: 08 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.1	50.6	151.8
157	128.5	64.6	193.8





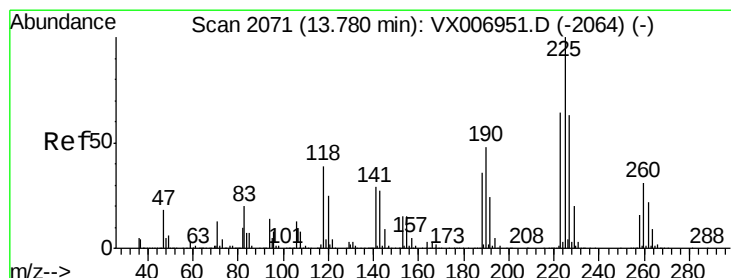
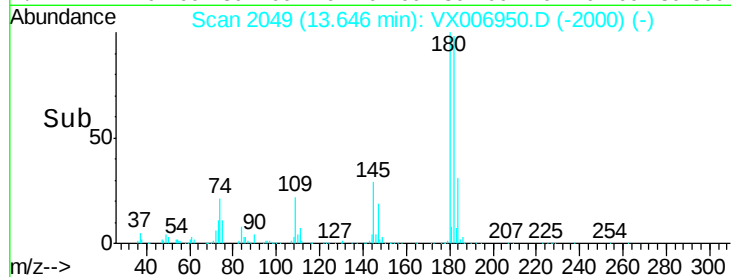
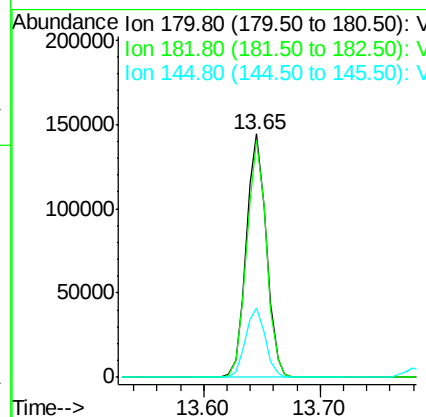
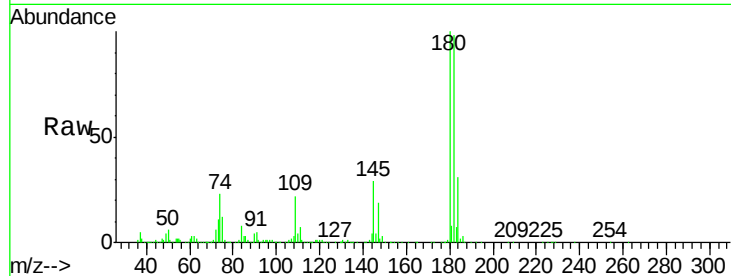
#93
 1,2,4-Trichlorobenzene
 Concen: 19.130 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006950.D
 Acq: 08 Jan 2019 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.3	142.0
145	28.4	14.8	44.3

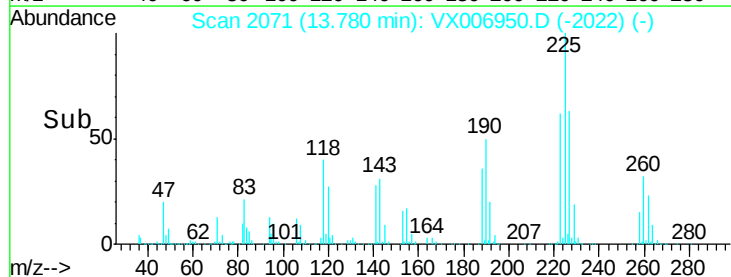
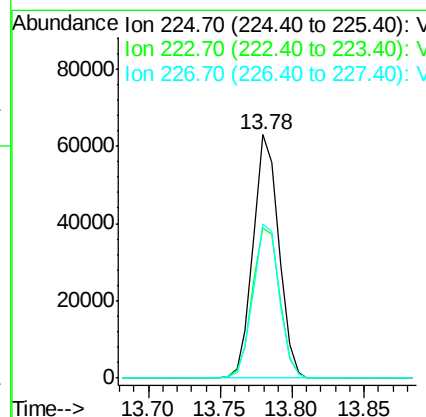
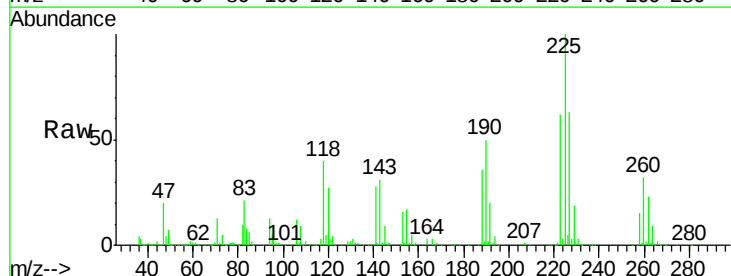
Manual Integrations
 APPROVED

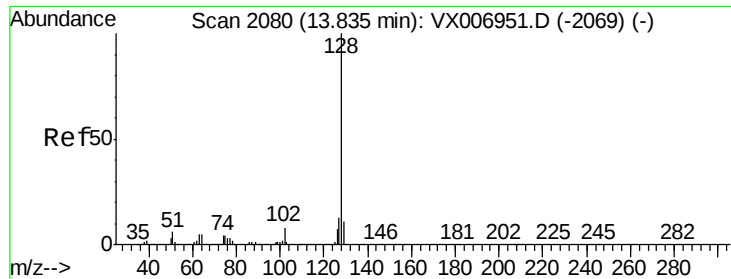
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 1/9/2019 10:24:56 AM



#94
 Hexachlorobutadiene
 Concen: 17.917 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX006950.D
 Acq: 08 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.6	32.1	96.3
227	64.7	32.3	96.8





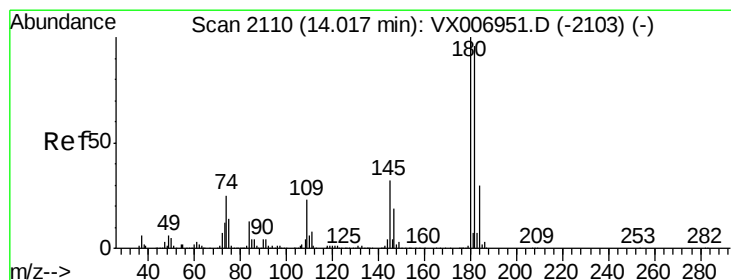
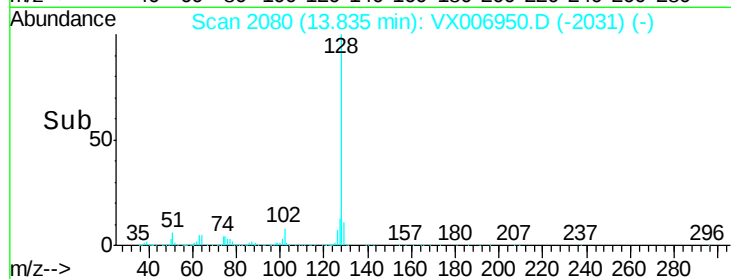
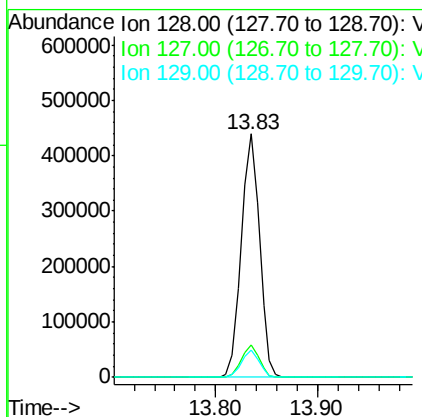
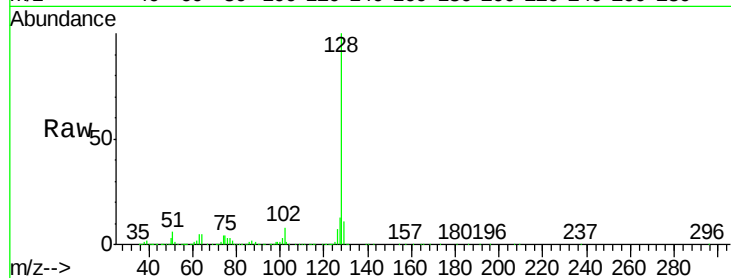
#95
Naphthalene
Concen: 18.640 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006950.D
Acq: 08 Jan 2019 12:25

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.9	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.544 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX006950.D
Acq: 08 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.5	145.5
145	31.3	16.0	47.9

