

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042420\
 Data File : VX015959.D
 Acq On : 25 Apr 2020 02:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/27/2020 12:40:23 PM

Quant Time: Apr 25 08:19:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 24 13:17:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	135126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	259076	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	246122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	114655	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	99668	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
35) Dibromofluoromethane	5.47	113	75839	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	
50) Toluene-d8	8.70	98	305432	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
62) 4-Bromofluorobenzene	11.12	95	123770	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	75808	51.026	ug/l	100
3) Chloromethane	1.31	50	74538	48.682	ug/l	98
4) Vinyl Chloride	1.39	62	102170	52.143	ug/l	100
5) Bromomethane	1.62	94	39285	55.607	ug/l	99
6) Chloroethane	1.71	64	58122	49.277	ug/l	100
7) Trichlorofluoromethane	1.92	101	112636	49.074	ug/l	99
8) Diethyl Ether	2.17	74	52684	48.230	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	71814	49.183	ug/l	99
10) Methyl Iodide	2.49	142	72642	43.871	ug/l	98
11) Tert butyl alcohol	3.01	59	102598	250.285	ug/l	100
12) 1,1-Dichloroethene	2.36	96	78521	51.325	ug/l	99
13) Acrolein	2.28	56	58635	230.477	ug/l	99
14) Allyl chloride	2.71	41	133404	49.338	ug/l	98
15) Acrylonitrile	3.12	53	236818	264.316	ug/l	100
16) Acetone	2.42	43	187682	262.245	ug/l	97
17) Carbon Disulfide	2.55	76	204023	48.379	ug/l	100
18) Methyl Acetate	2.75	43	111916	51.708	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	279849	51.073	ug/l	100
20) Methylene Chloride	2.84	84	90735	51.255	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	85723	50.151	ug/l	98
22) Diisopropyl ether	3.82	45	273767	51.270	ug/l	99
23) Vinyl Acetate	3.79	43	1139560	261.212	ug/l	100
24) 1,1-Dichloroethane	3.67	63	156441	51.214	ug/l	99
25) 2-Butanone	4.64	43	305366	262.052	ug/l	100
26) 2,2-Dichloropropane	4.56	77	106816	39.629	ug/l	98
27) cis-1,2-Dichloroethene	4.57	96	97766	50.420	ug/l	98
28) Bromochloromethane	4.98	49	64950	48.101	ug/l	99
29) Tetrahydrofuran	5.09	42	200078	260.646	ug/l	100
30) Chloroform	5.18	83	154592	51.197	ug/l	99
31) Cyclohexane	5.55	56	139365	48.708	ug/l	98
32) 1,1,1-Trichloroethane	5.47	97	134614	49.554	ug/l	100
36) 1,1-Dichloropropene	5.77	75	119545	48.349	ug/l	99
37) Ethyl Acetate	4.79	43	122861	49.537	ug/l	99
38) Carbon Tetrachloride	5.76	117	110272	48.805	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	140637	46.923	ug/l	99
40) Benzene	6.12	78	361441	49.950	ug/l	97
41) Methacrylonitrile	5.01	41	68128	48.460	ug/l	99
42) 1,2-Dichloroethane	6.17	62	124140	49.023	ug/l	100
43) Isopropyl Acetate	6.42	43	204423	50.169	ug/l	99
44) Trichloroethene	7.19	130	106792	47.944	ug/l	99
45) 1,2-Dichloropropane	7.49	63	92619	50.020	ug/l	99
46) Dibromomethane	7.64	93	60528	48.949	ug/l	99
47) Bromodichloromethane	7.88	83	124439	49.452	ug/l	100
48) Methyl methacrylate	7.75	41	98088	48.955	ug/l	99
49) 1,4-Dioxane	7.71	88	46026	1032.829	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	608592	254.772	ug/l	100
52) Toluene	8.77	92	226289	49.297	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	143900	47.425	ug/l	98
54) cis-1,3-Dichloropropene	8.42	75	152348	47.996	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	90559	49.396	ug/l	99
56) Ethyl methacrylate	9.16	69	147979	50.105	ug/l	99
57) 1,3-Dichloropropane	9.35	76	157510	50.217	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	385920	264.439	ug/l	99
59) 2-Hexanone	9.48	43	465269	256.510	ug/l	100
60) Dibromochloromethane	9.57	129	90300	49.600	ug/l	99
61) 1,2-Dibromoethane	9.66	107	93734	49.432	ug/l	99
64) Tetrachloroethene	9.32	164	114131	46.602	ug/l	96
65) Chlorobenzene	10.12	112	237862	48.678	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	84758	48.949	ug/l	98
67) Ethyl Benzene	10.24	91	436259	48.425	ug/l	98
68) m/p-Xylenes	10.34	106	324115	98.235	ug/l	99
69) o-Xylene	10.68	106	154463	47.975	ug/l	97
70) Styrene	10.70	104	274267	49.391	ug/l	99
71) Bromoform	10.84	173	56365	43.085	ug/l #	92
73) Isopropylbenzene	11.01	105	414551	48.644	ug/l	100
74) N-amyl acetate	10.88	43	186653	50.429	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	105905	54.990	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	125367m	50.974	ug/l	
77) Bromobenzene	11.24	156	96837	50.027	ug/l	97
78) n-propylbenzene	11.35	91	485806	48.282	ug/l	100
79) 2-Chlorotoluene	11.41	91	294316	49.623	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	353290	48.766	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	49120	44.989	ug/l	99
82) 4-Chlorotoluene	11.49	91	345103	48.748	ug/l	99
83) tert-Butylbenzene	11.76	119	302819	49.712	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	364795	49.108	ug/l	100
85) sec-Butylbenzene	11.93	105	406775	48.772	ug/l	100
86) p-Isopropyltoluene	12.05	119	366532	48.194	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	178033	50.020	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	177454	48.418	ug/l	99
89) n-Butylbenzene	12.37	91	341747	47.679	ug/l	100
90) Hexachloroethane	12.58	117	56705	47.783	ug/l	100
91) 1,2-Dichlorobenzene	12.38	146	169222	49.033	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	29410	47.966	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	109671	49.258	ug/l	95
94) Hexachlorobutadiene	13.77	225	37984	48.127	ug/l	100
95) Naphthalene	13.82	128	412257	50.913	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	106545	50.579	ug/l	95

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

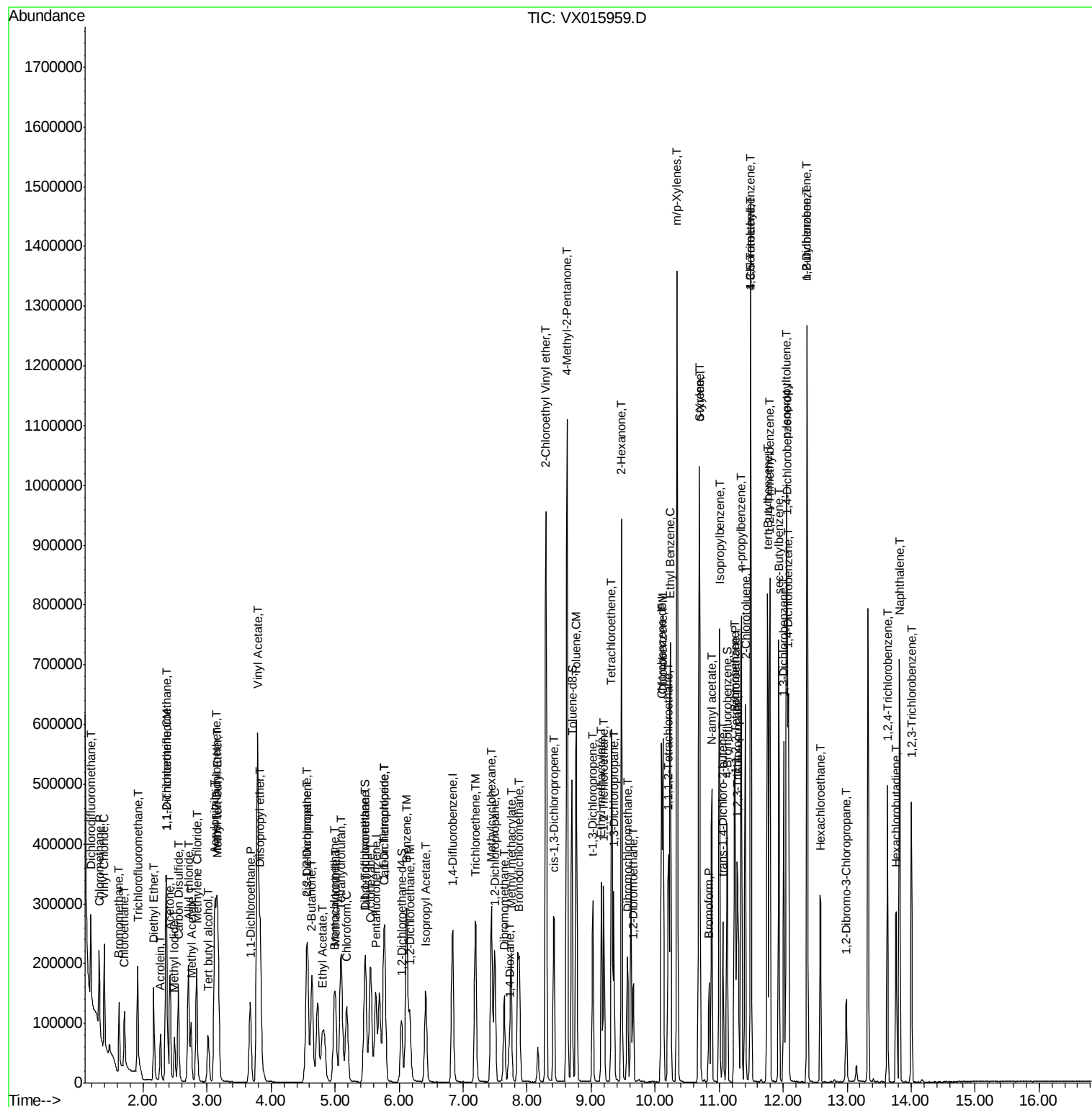
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042420\
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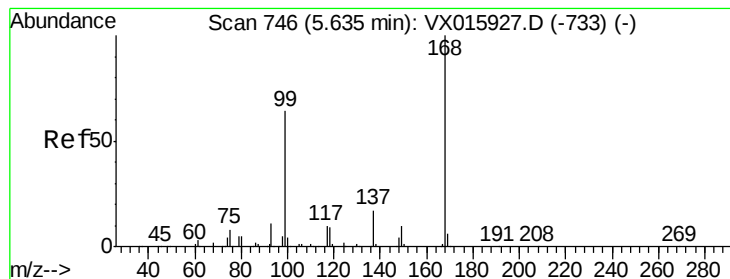
Instrument :
 MSVOA_X
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 135126

Ion Ratio Lower Upper

168 100

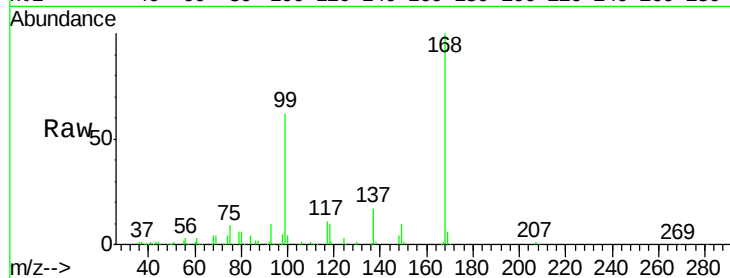
99 61.7 51.2 76.8

Manual Integrations

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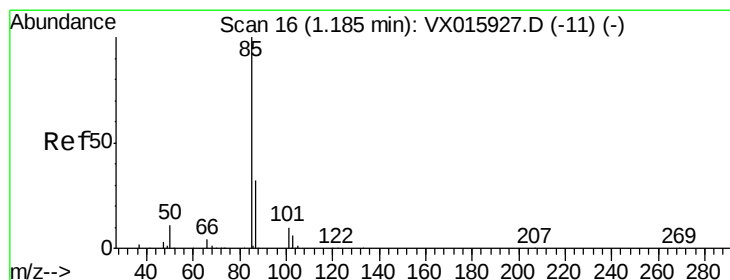
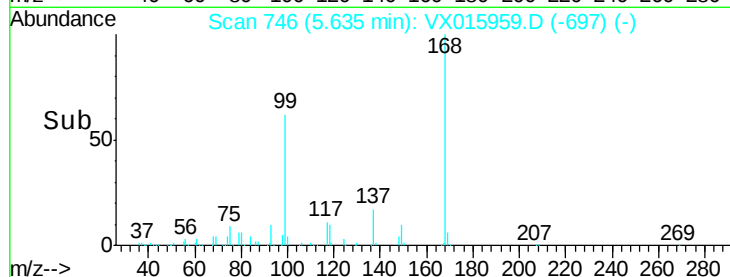
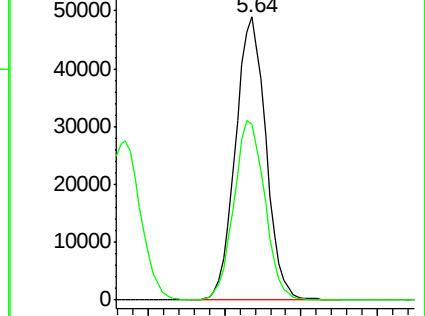
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 51.026 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX015959.D

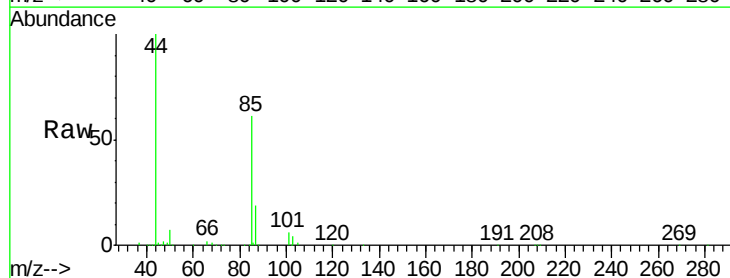
Acq: 25 Apr 2020 02:09

Tgt Ion: 85 Resp: 75808

Ion Ratio Lower Upper

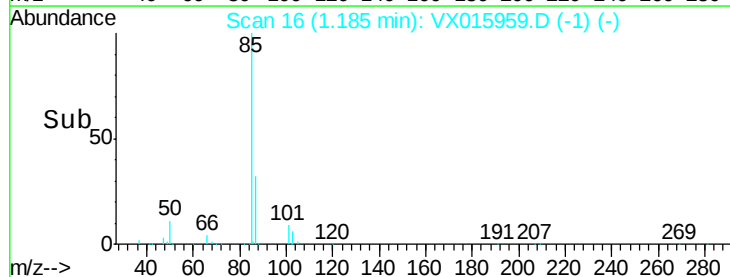
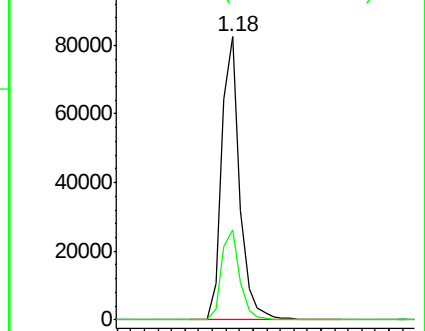
85 100

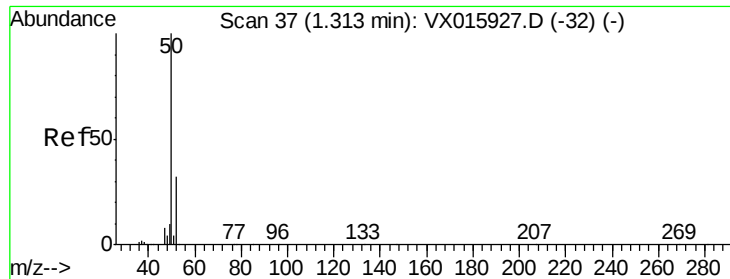
87 31.8 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 48.682 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 74538

Ion Ratio Lower Upper

50 100

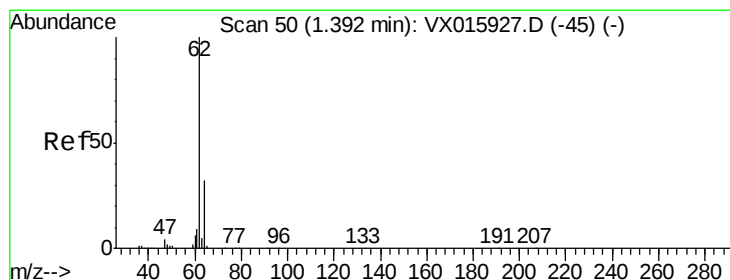
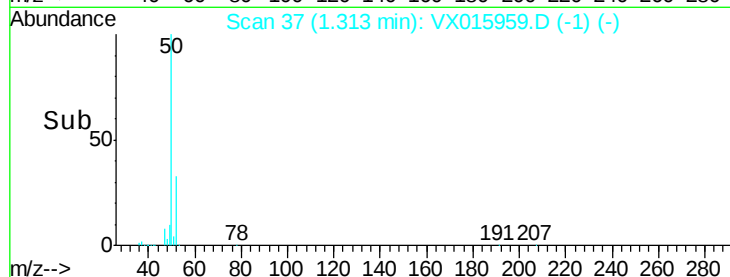
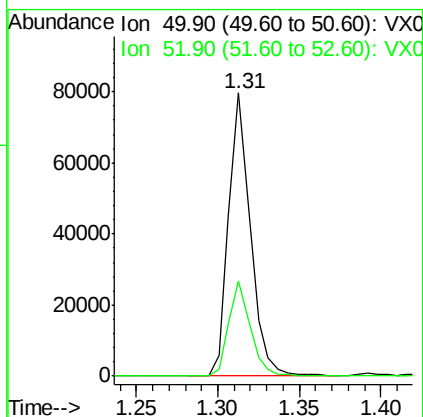
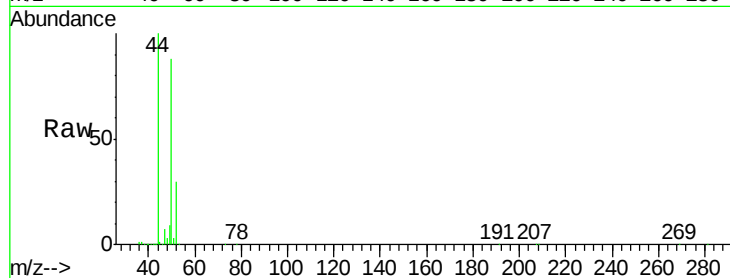
52 33.4 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 52.143 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX015959.D

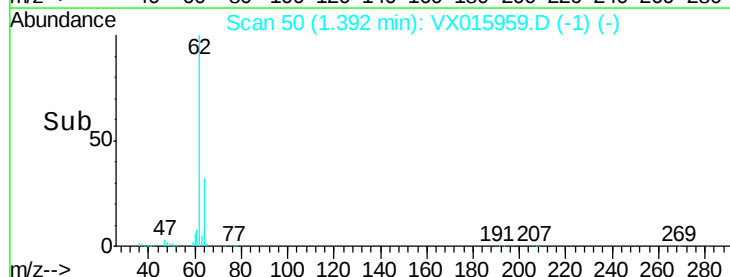
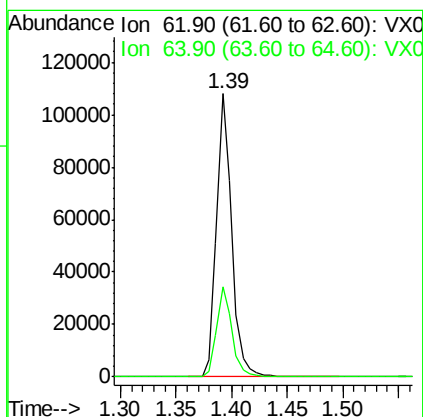
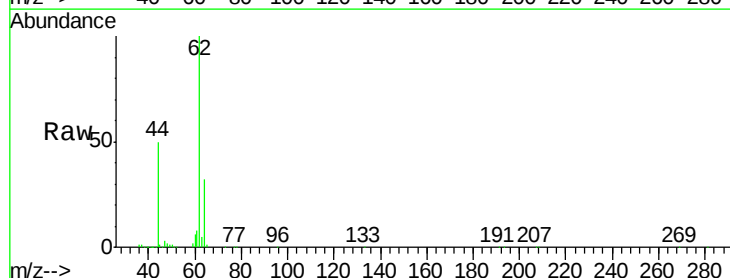
Acq: 25 Apr 2020 02:09

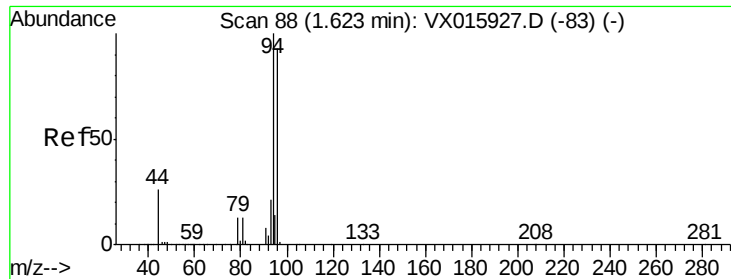
Tgt Ion: 62 Resp: 102170

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3





#5

Bromomethane

Concen: 55.607 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 39285

Ion Ratio Lower Upper

94 100

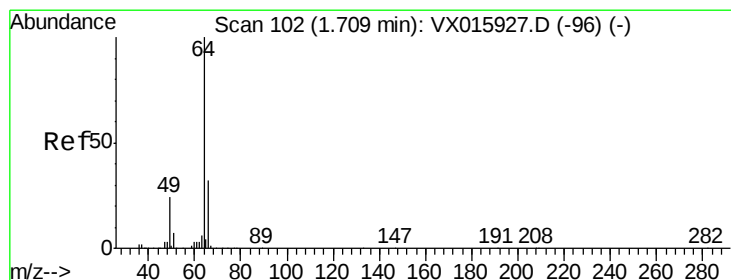
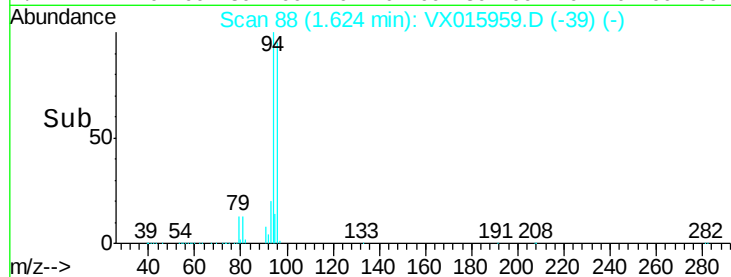
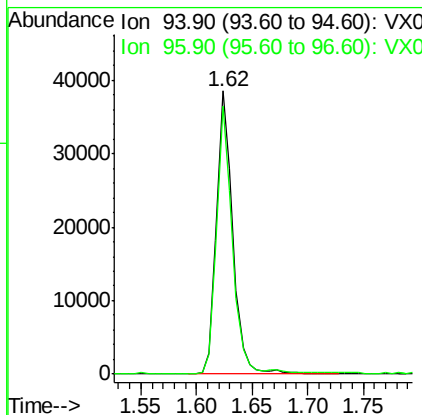
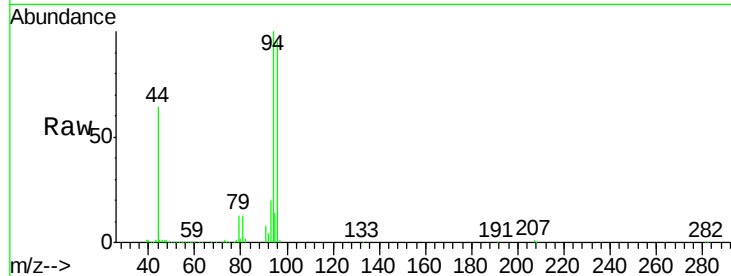
96 94.8 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 49.277 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX015959.D

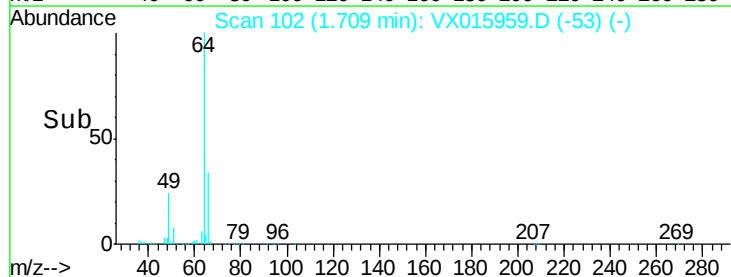
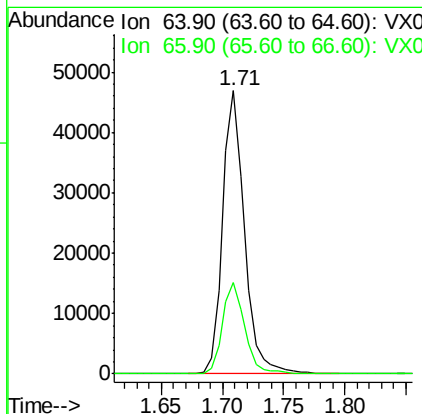
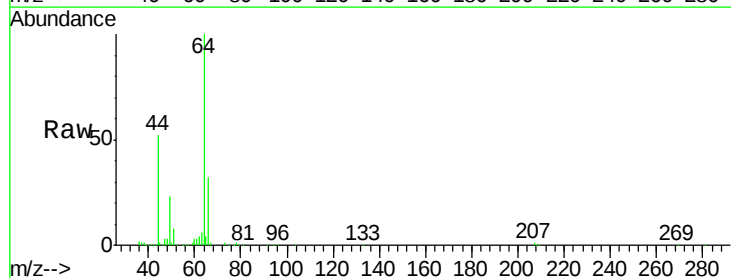
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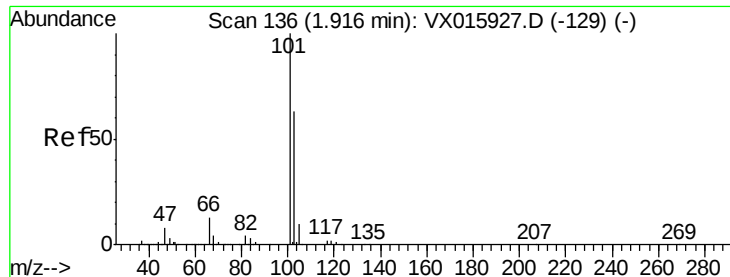
Tgt Ion: 64 Resp: 58122

Ion Ratio Lower Upper

64 100

66 32.5 25.8 38.8





#7

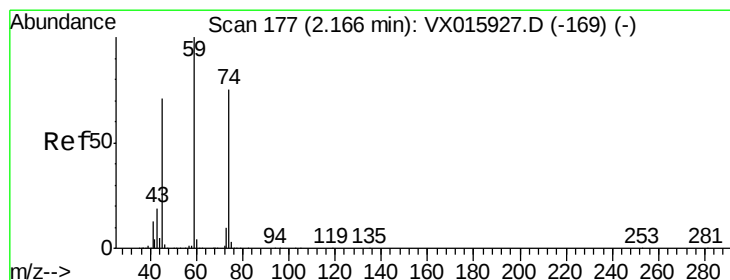
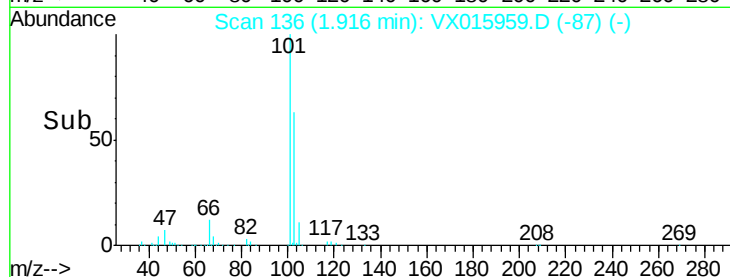
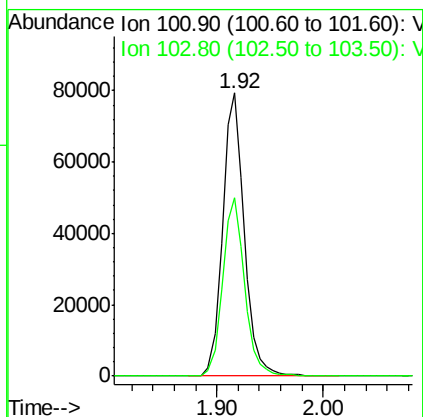
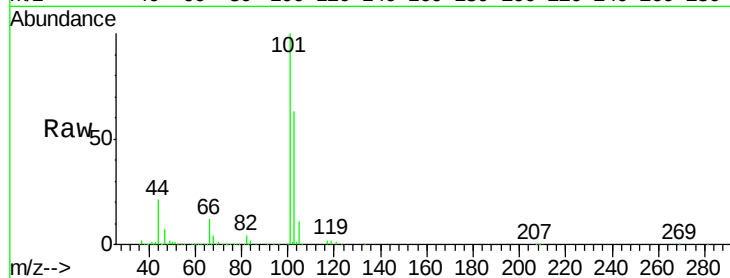
Trichlorofluoromethane
Concen: 49.074 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	50.8	76.2

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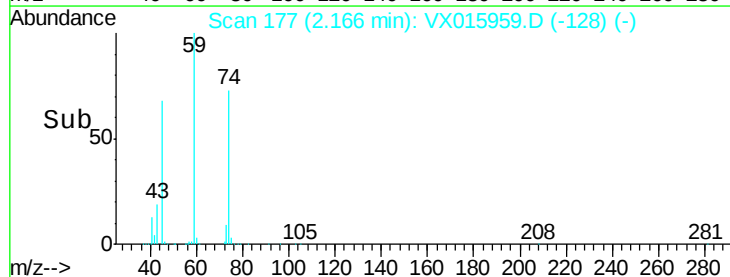
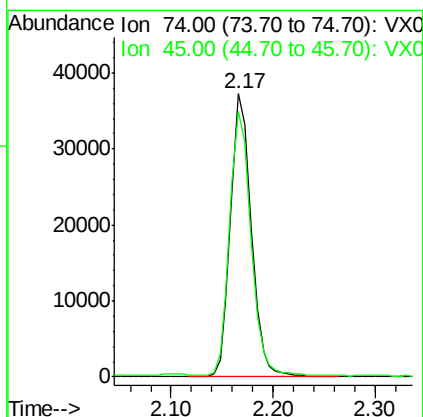
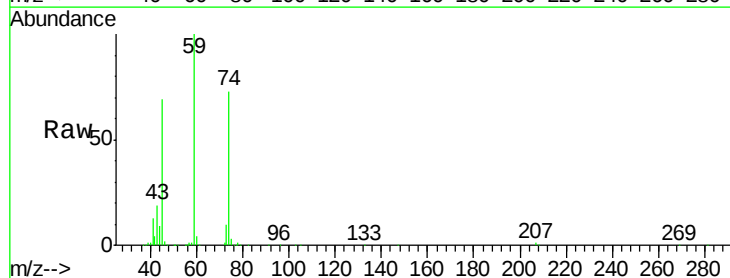
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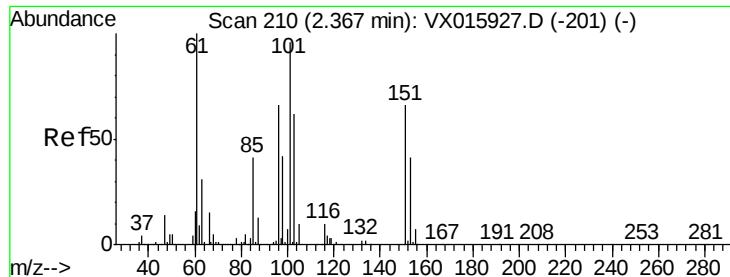


#8

Diethyl Ether
Concen: 48.230 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.8	46.9	140.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.183 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

Instrument :

MSVOA_X

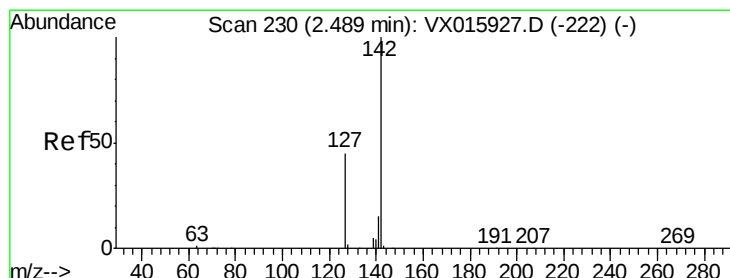
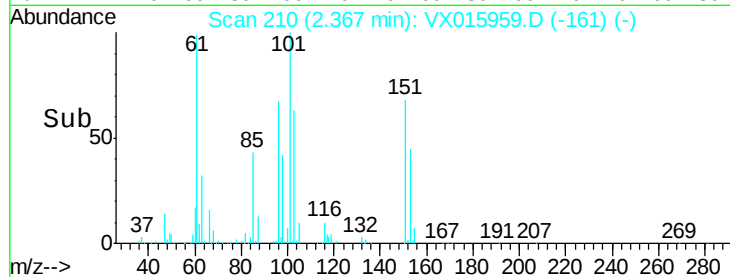
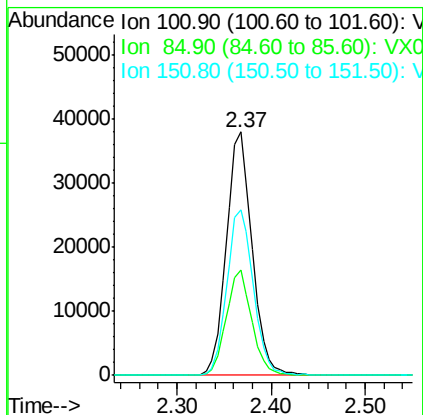
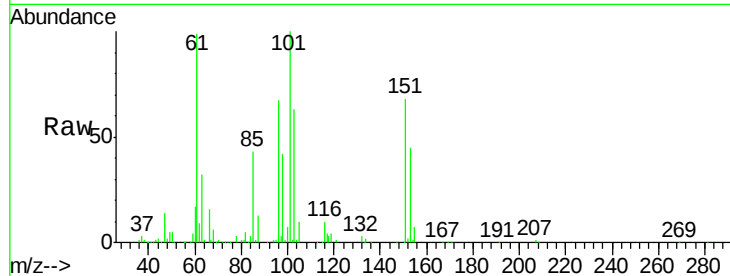
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	71814
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.9	52.3
151	70.2	55.8	83.6

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#10

Methyl Iodide

Concen: 43.871 ug/l

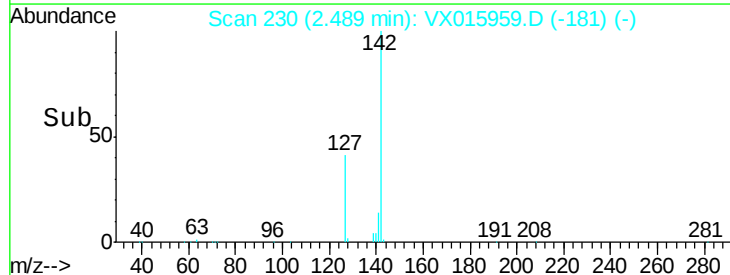
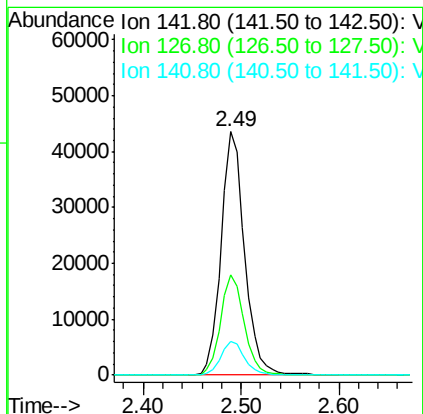
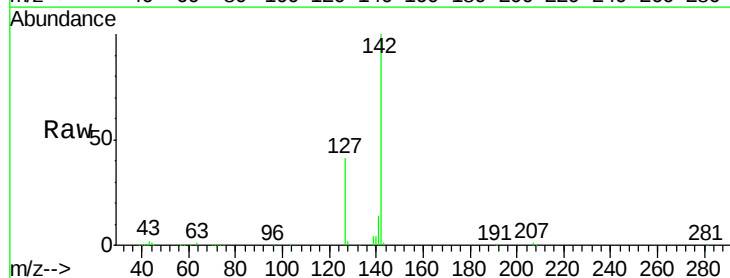
RT: 2.49 min Scan# 230

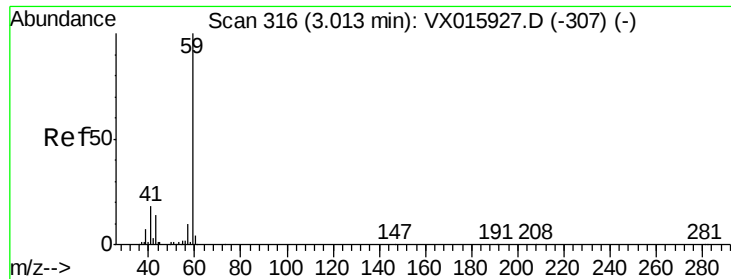
Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

Tgt Ion:	142	Resp:	72642
Ion Ratio	Lower	Upper	
142	100		
127	41.4	34.4	51.6
141	13.9	11.5	17.3





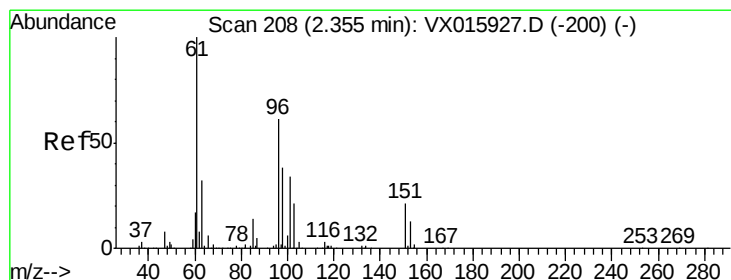
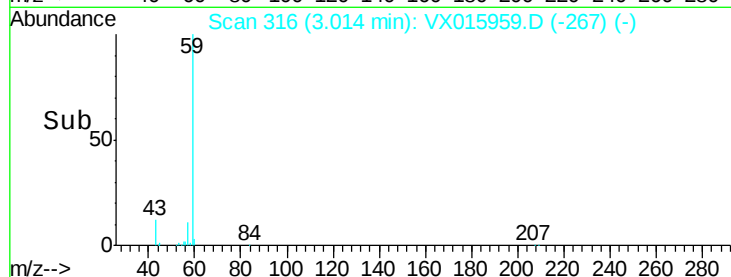
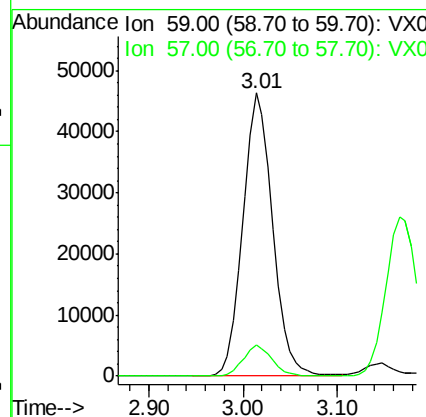
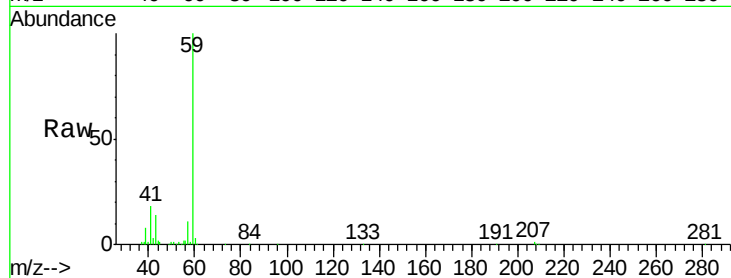
#11
Tert butyl alcohol
Concen: 250.285 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.4	12.6

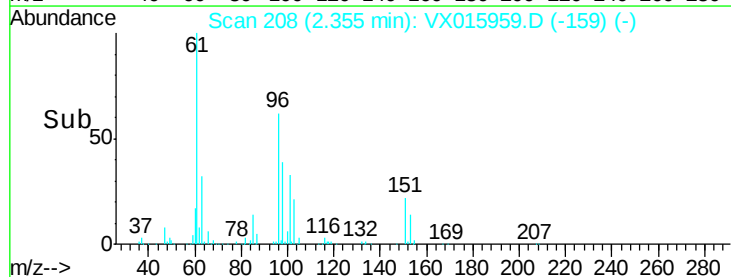
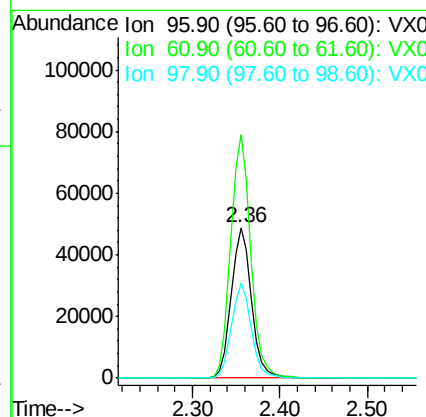
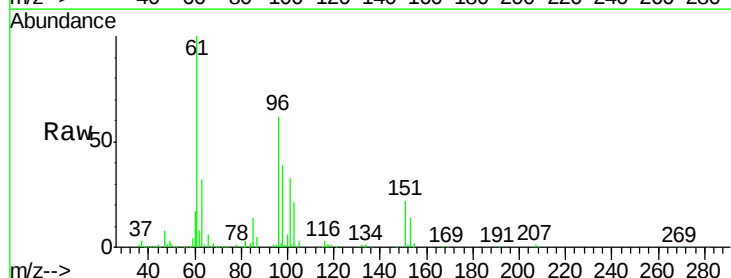
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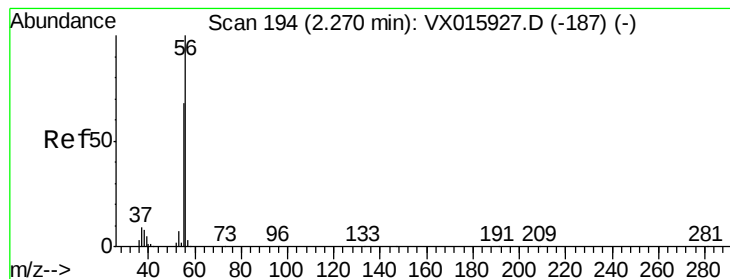
MMDadoda
4/27/2020 12:40:23 PM



#12
1,1-Dichloroethene
Concen: 51.325 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.8	131.2	196.8
98	62.9	50.2	75.4





#13

Acrolein

Concen: 230.477 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 58635

Ion Ratio Lower Upper

56 100

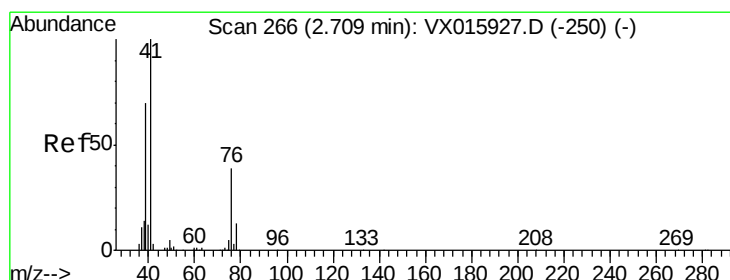
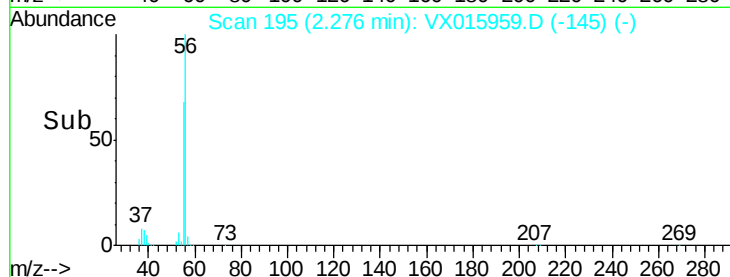
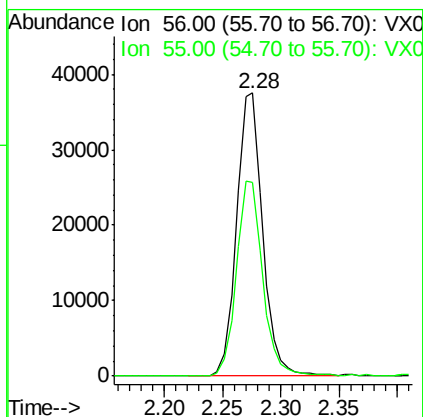
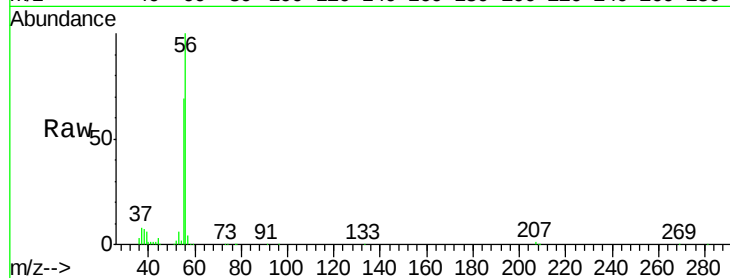
55 68.8 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 49.338 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

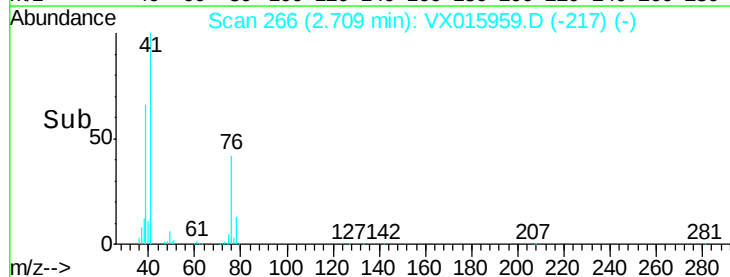
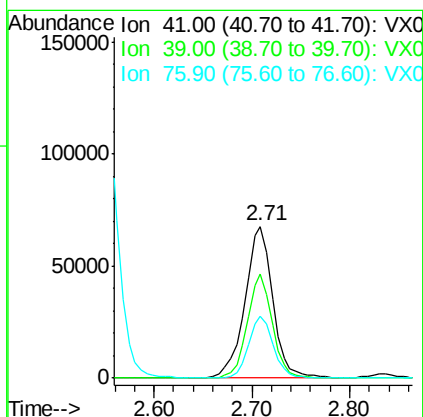
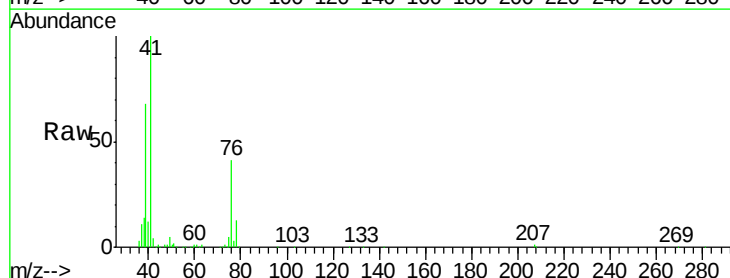
Tgt Ion: 41 Resp: 133404

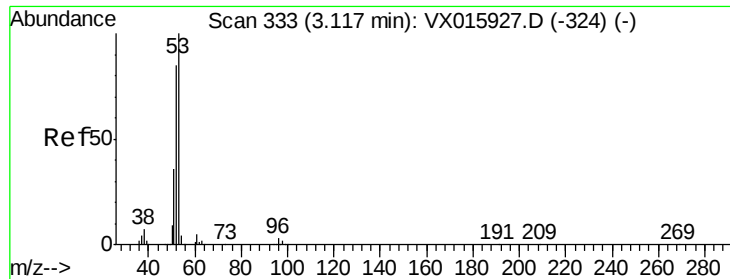
Ion Ratio Lower Upper

41 100

39 61.9 51.6 77.4

76 36.2 29.3 43.9





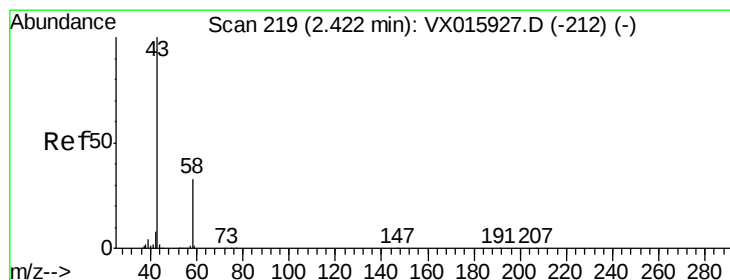
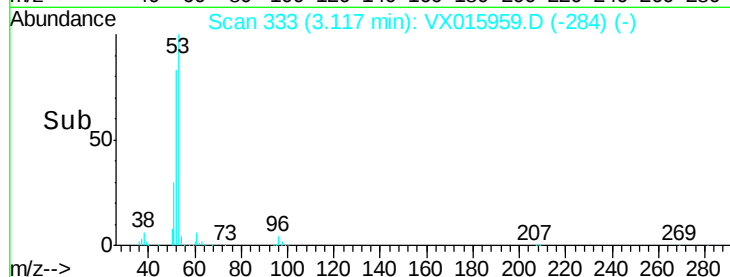
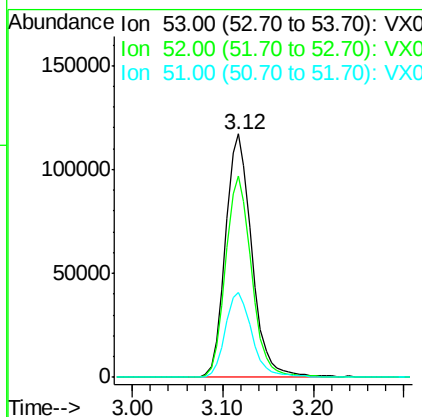
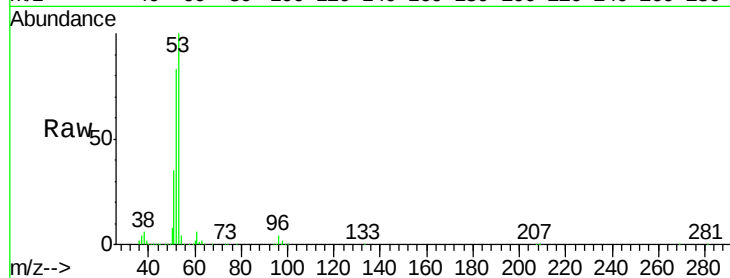
#15
 Acrylonitrile
 Concen: 264.316 ug/l
 RT: 3.12 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VX015959.D
 Acq: 25 Apr 2020 02:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
53	100			
52	82.1	65.5	98.3	
51	35.8	28.2	42.2	

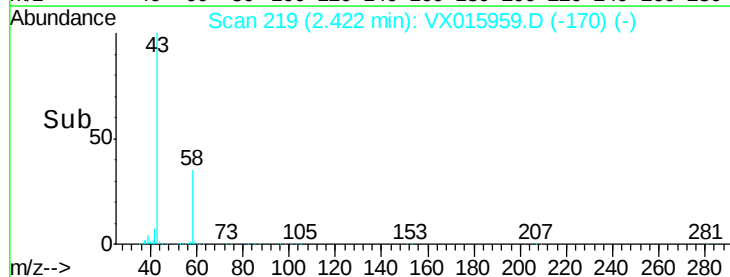
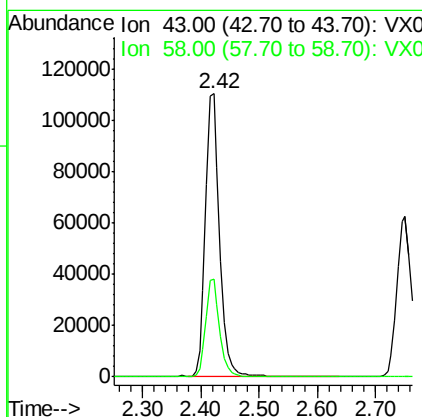
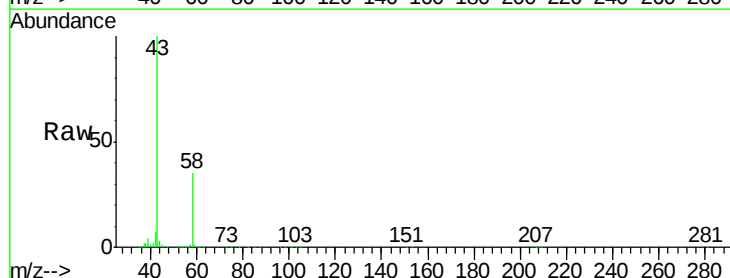
Manual Integrations
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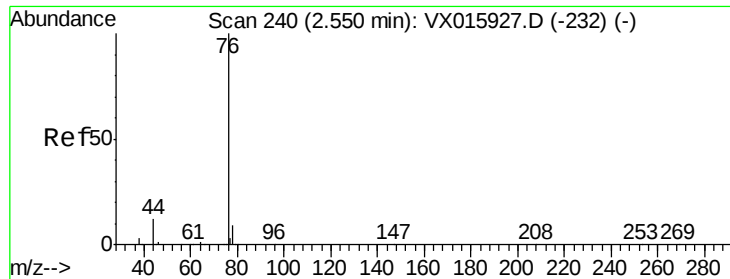
MMDadoda
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#16
 Acetone
 Concen: 262.245 ug/l
 RT: 2.42 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VX015959.D
 Acq: 25 Apr 2020 02:09

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
58	34.6	26.4	39.6	





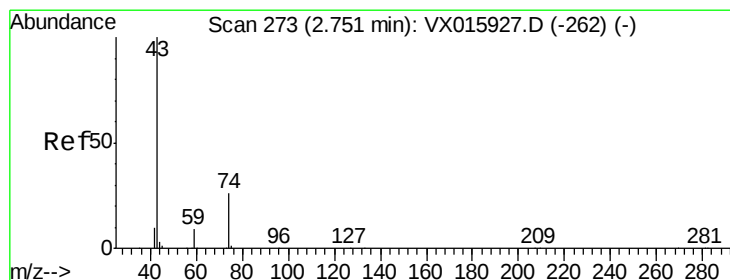
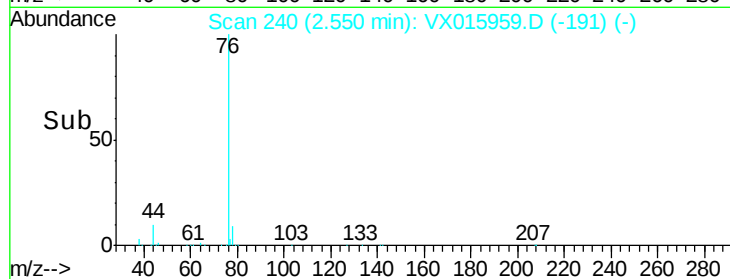
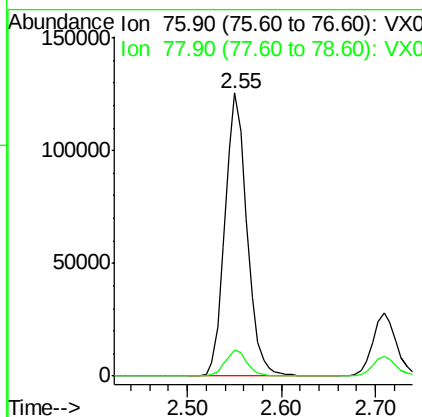
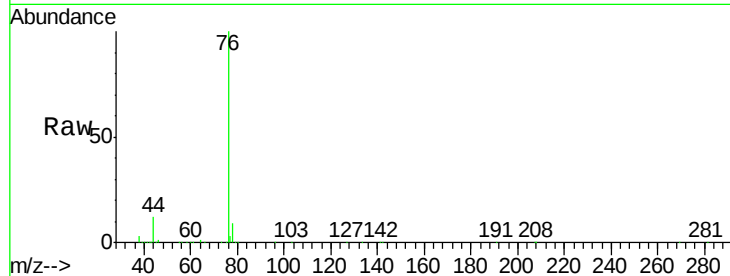
#17
Carbon Disulfide
Concen: 48.379 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

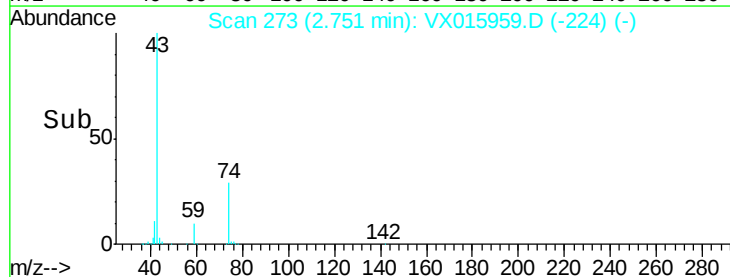
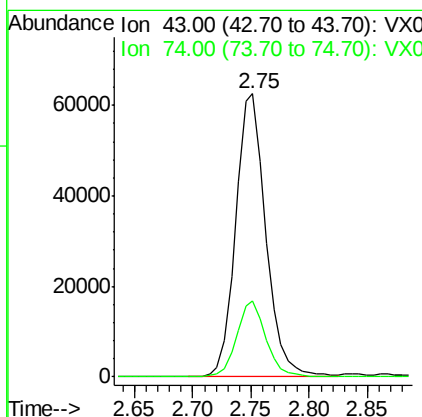
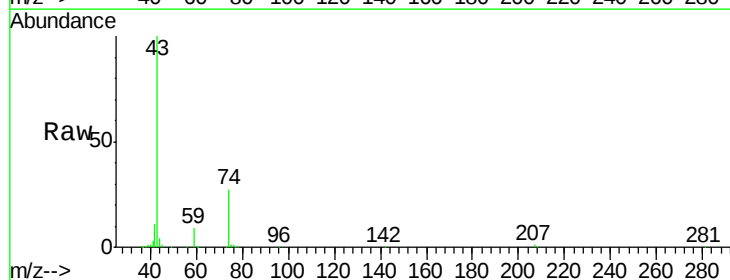
Manual Integrations
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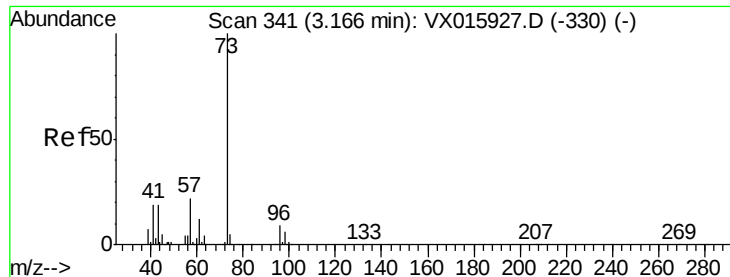
MMDadoda
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#18
Methyl Acetate
Concen: 51.708 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.6	21.0	31.4





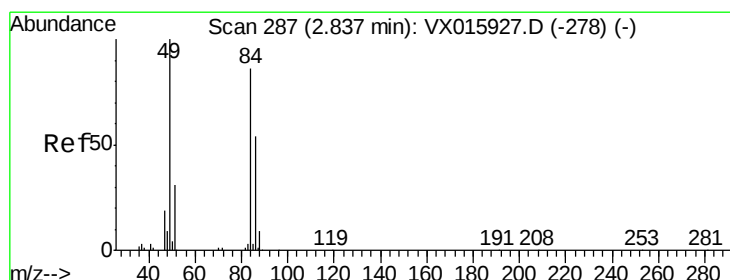
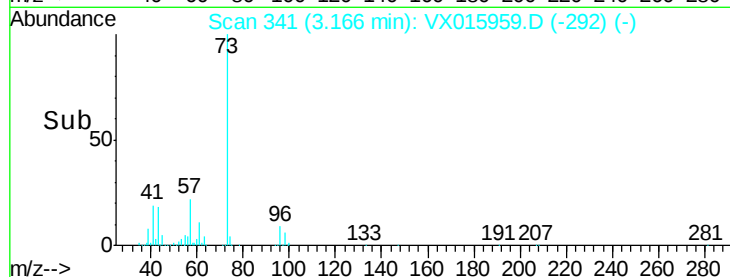
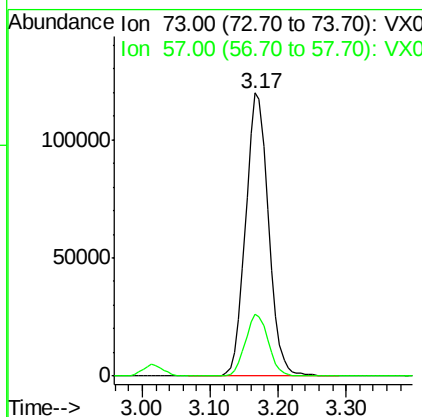
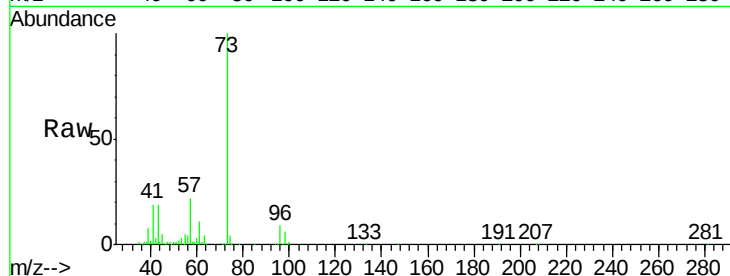
#19
Methvl tert-butvl Ether
Concen: 51.073 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.3	25.9

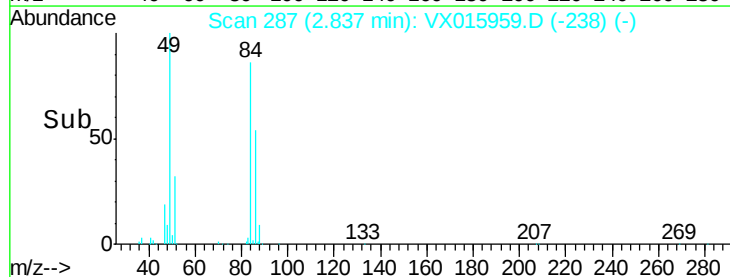
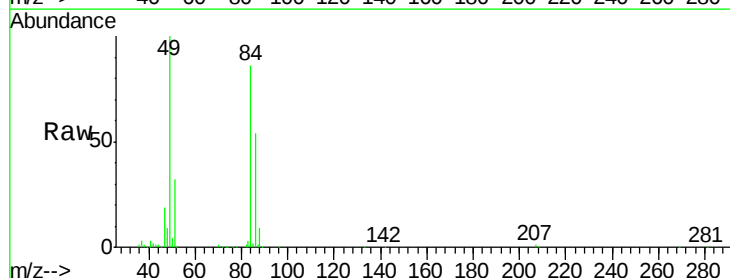
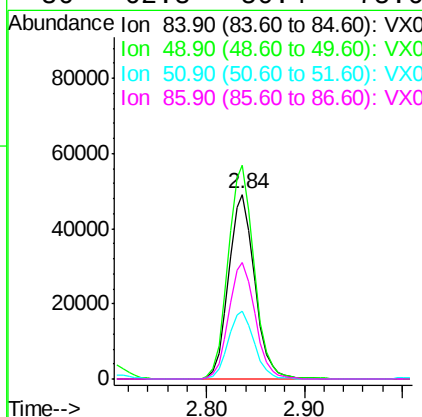
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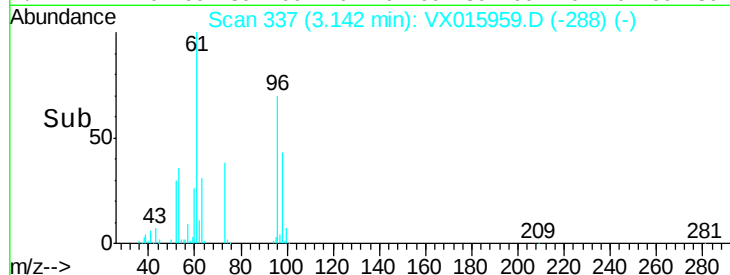
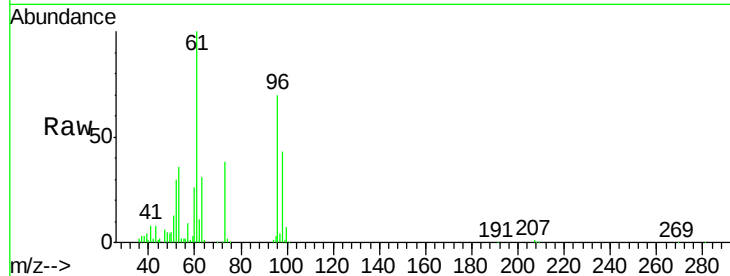
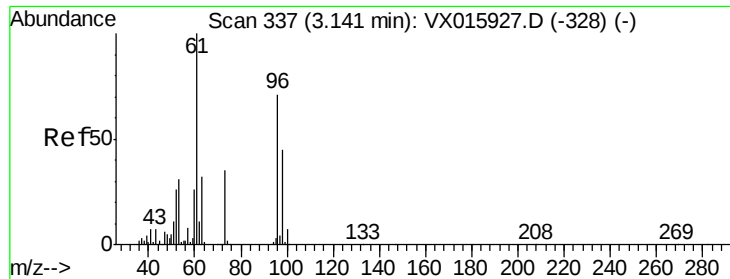
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#20
Methylene Chloride
Concen: 51.255 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.6	93.0	139.6
51	36.7	28.6	43.0
86	62.8	50.4	75.6





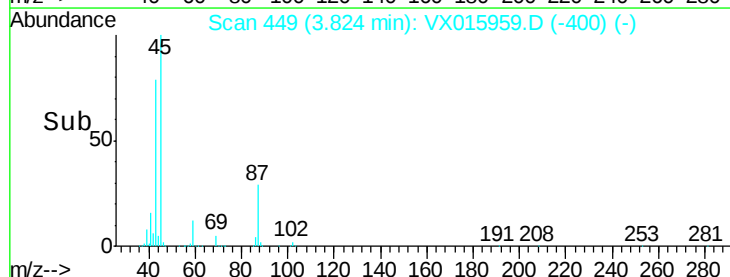
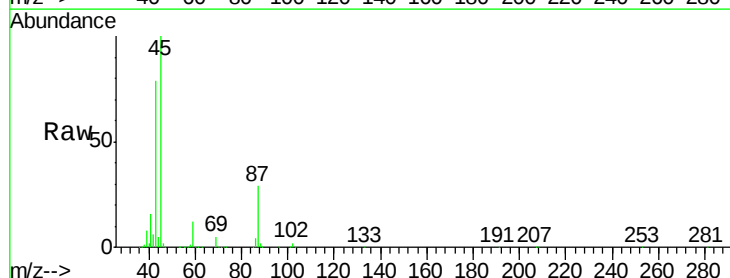
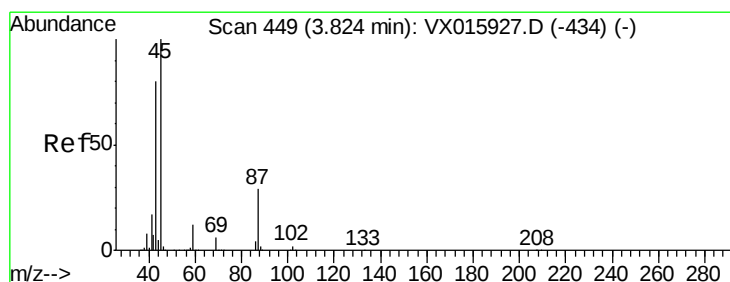
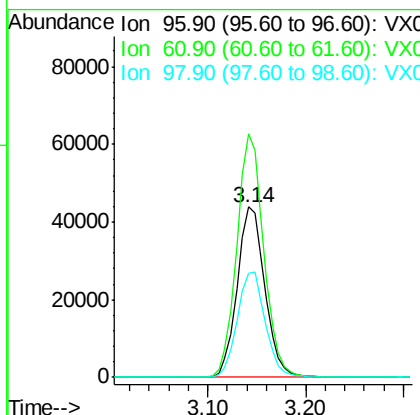
#21
trans-1,2-Dichloroethene
Concen: 50.151 ug/l
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.0	112.7	169.1
98	61.3	51.0	76.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

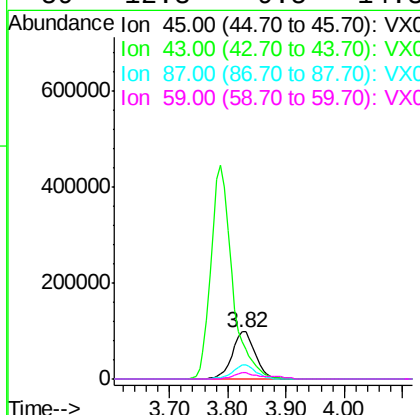
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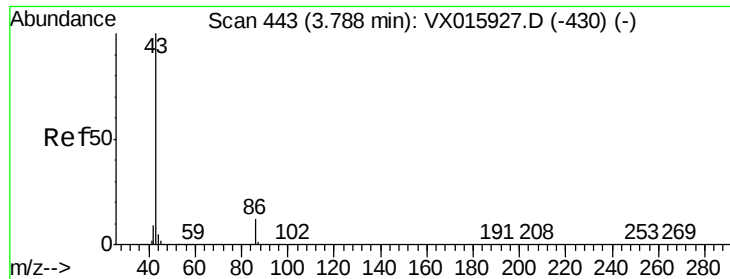
MMDadoda
4/27/2020 12:40:23 PM



#22
Diisopropyl ether
Concen: 51.270 ug/l
RT: 3.82 min Scan# 449
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Tgt Ion	Ratio	Lower	Upper
45	100		
43	78.6	63.8	95.6
87	28.6	22.9	34.3
59	12.3	9.5	14.3





#23

Vinyl Acetate

Concen: 261.212 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

Tot Ion: 43 Resp: 1139560

Ion Ratio Lower Upper

43 100

86 11.7 9.4 14.2

Instrument :

MSVOA_X

ClientSampleId :

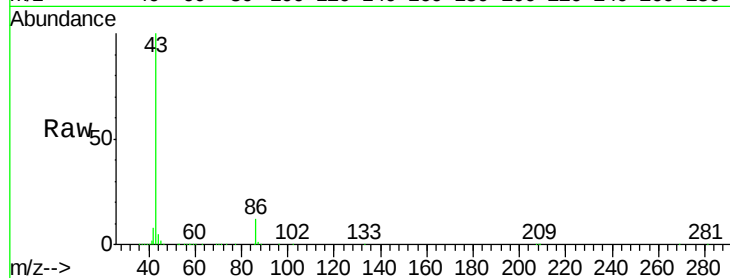
VSTDCCC050EC

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.79

400000

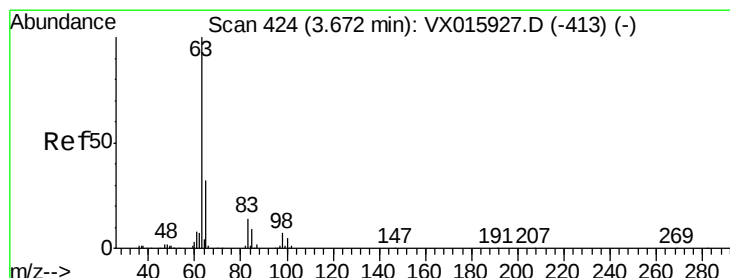
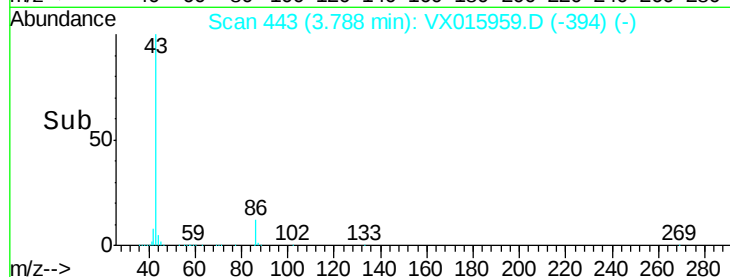
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.214 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

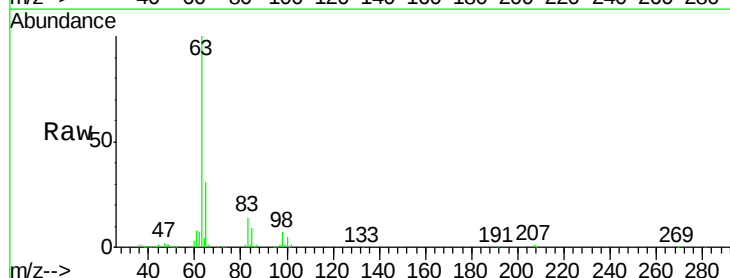
Tgt Ion: 63 Resp: 156441

Ion Ratio Lower Upper

63 100

98 6.9 3.7 11.1

100 4.7 2.3 6.9



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

3.67

80000

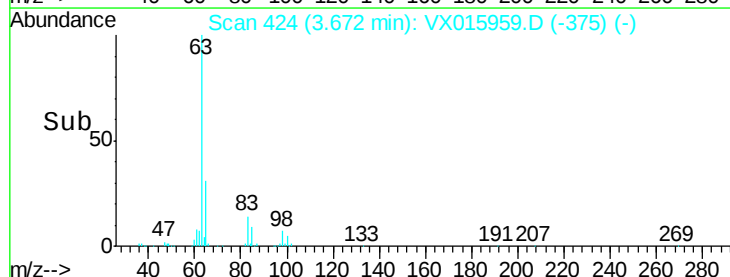
60000

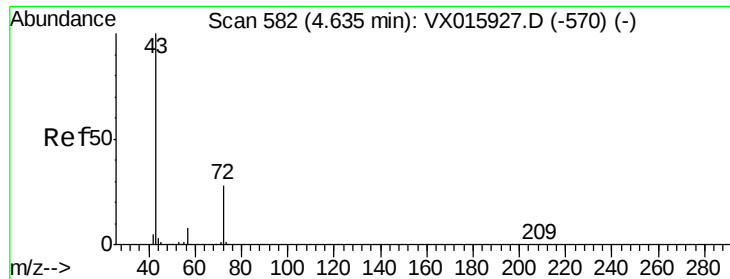
40000

20000

0

Time-->





#25

2-Butanone

Concen: 262.052 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 305366

Ion Ratio Lower Upper

43 100

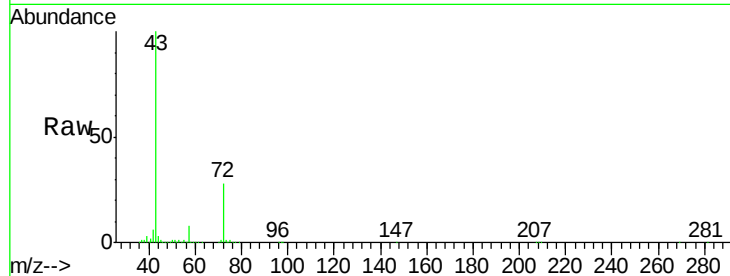
72 28.0 22.4 33.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

40000

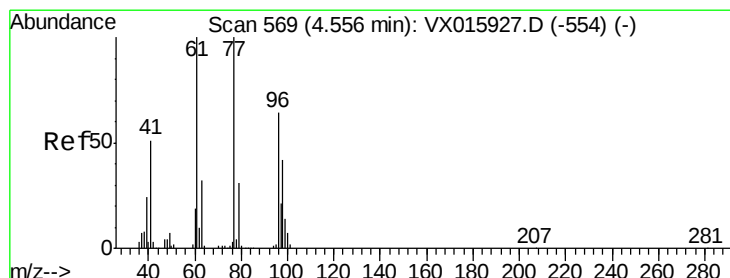
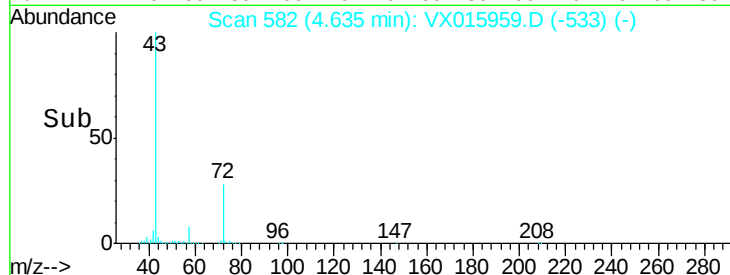
20000

0

4.64

4.50 4.60 4.70

Time-->



#26

2,2-Dichloropropane

Concen: 39.629 ug/l

RT: 4.56 min Scan# 569

Delta R.T. 0.00 min

Lab File: VX015959.D

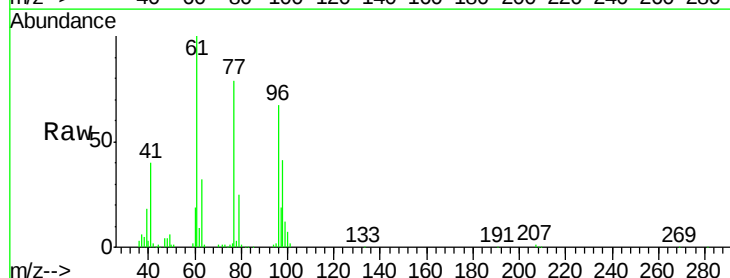
Acq: 25 Apr 2020 02:09

Tgt Ion: 77 Resp: 106816

Ion Ratio Lower Upper

77 100

97 23.6 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

20000

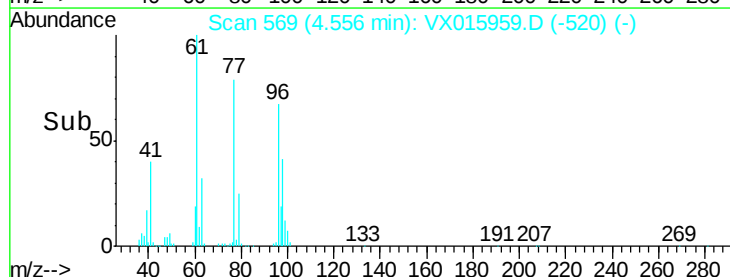
10000

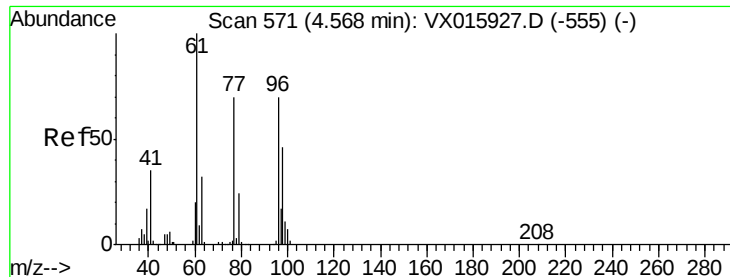
0

4.56

4.40 4.50 4.60 4.70

Time-->





#27

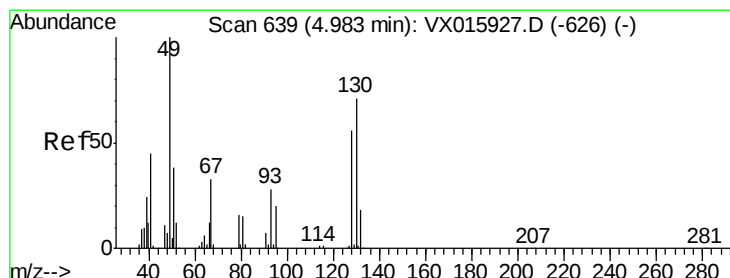
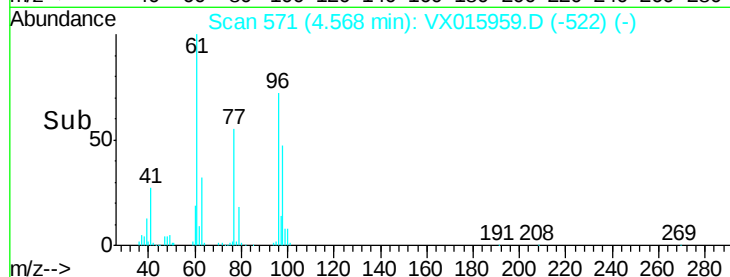
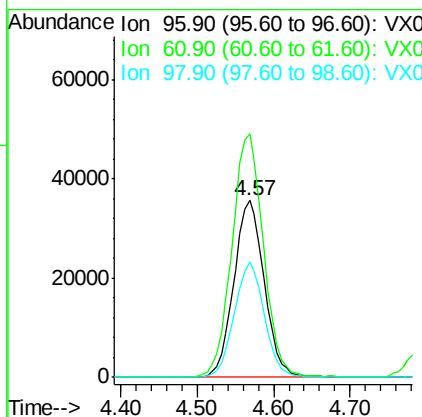
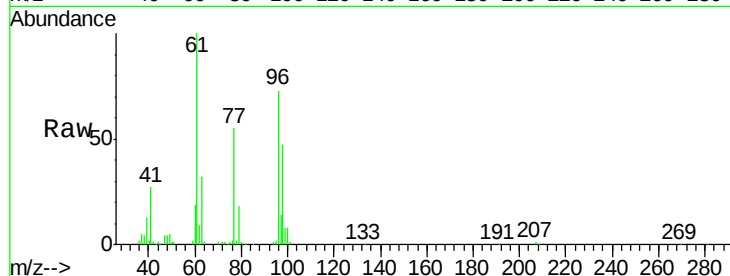
cis-1,2-Dichloroethene
Concen: 50.420 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.2	0.0	293.4	
98	64.4	0.0	129.0	

Manual Integrations
APPROVED

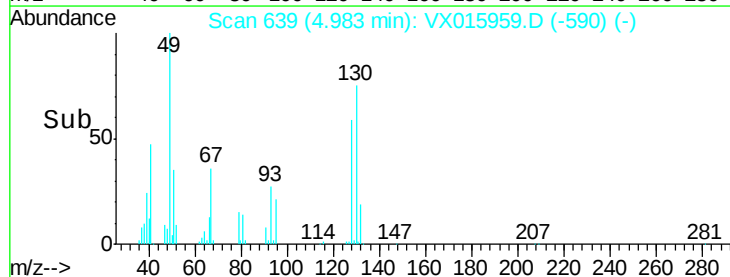
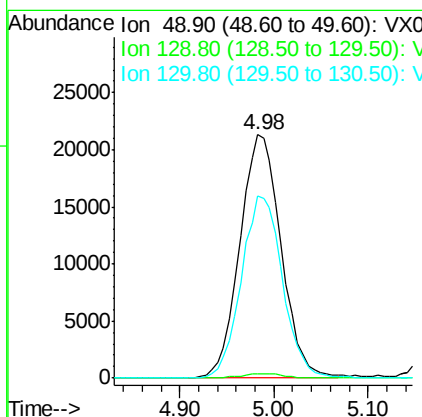
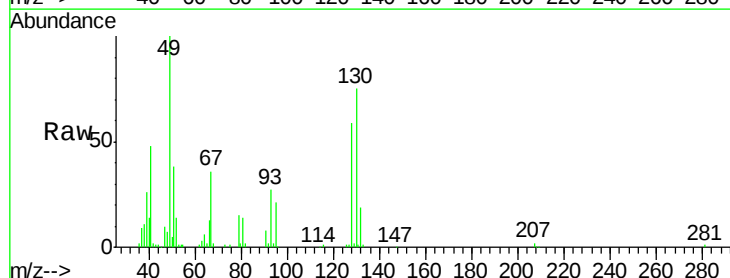
MMDadoda
4/27/2020 12:40:23 PM

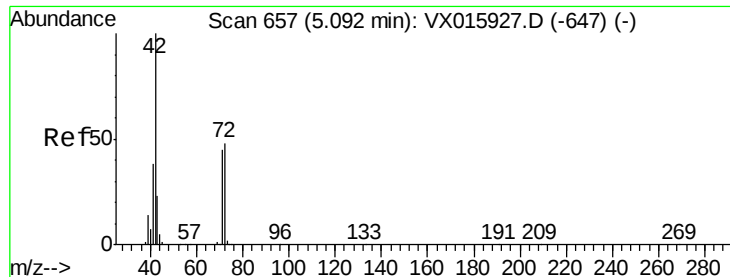


#28

Bromochloromethane
Concen: 48.101 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.8	
130	74.7	60.7	91.1	





#29

Tetrahydrofuran

Concen: 260.646 ug/l

RT: 5.09 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

Instrument :

MSVOA_X

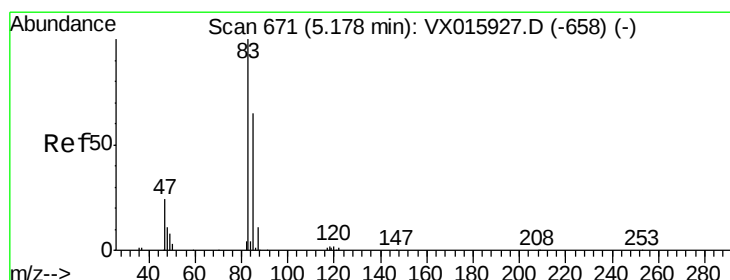
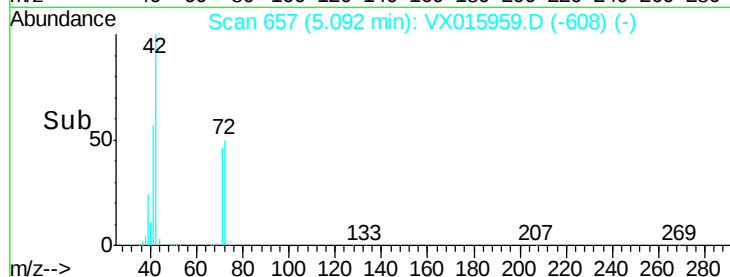
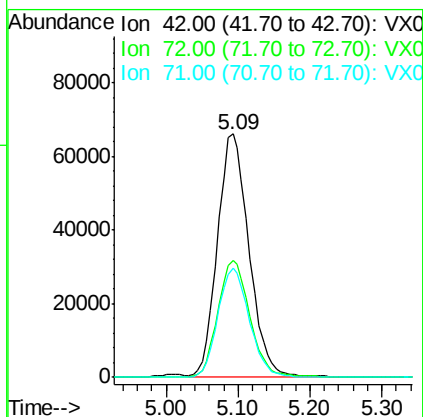
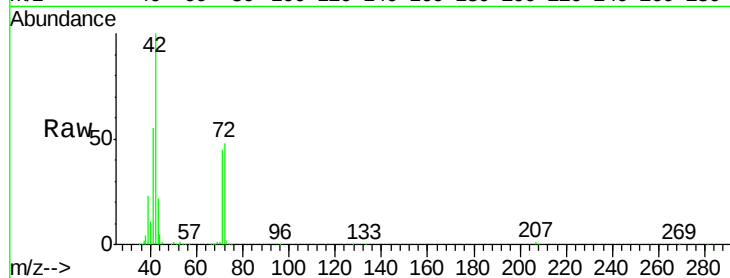
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	200078
Ion	Ratio	Lower	Upper
42	100		
72	49.4	39.5	59.3
71	45.1	36.4	54.6

Manual Integrations
APPROVED

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#30

Chloroform

Concen: 51.197 ug/l

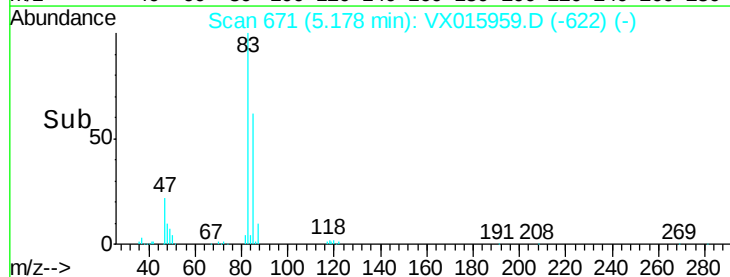
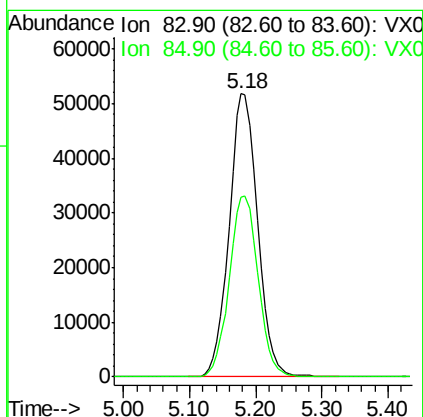
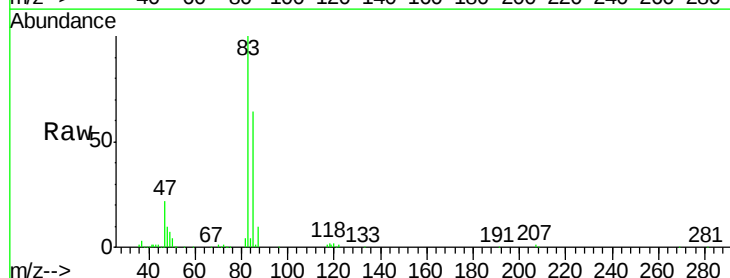
RT: 5.18 min Scan# 671

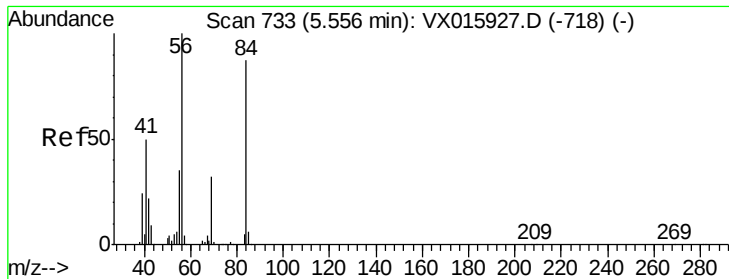
Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

Tgt Ion:	83	Resp:	154592
Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.7	77.5





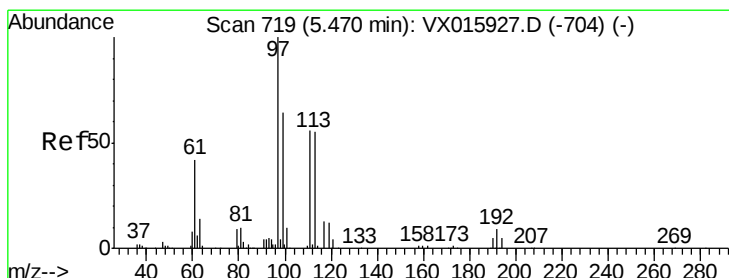
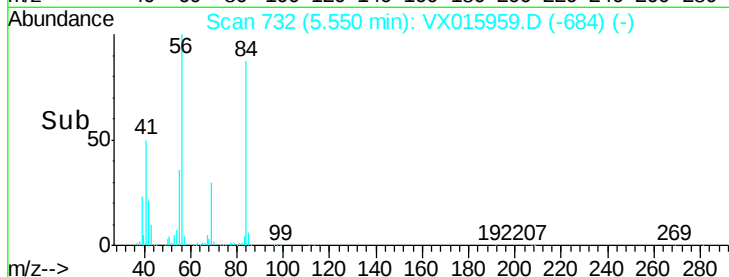
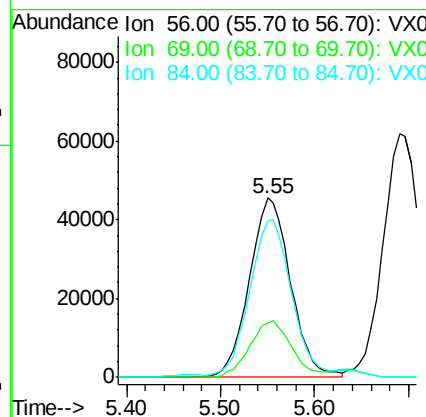
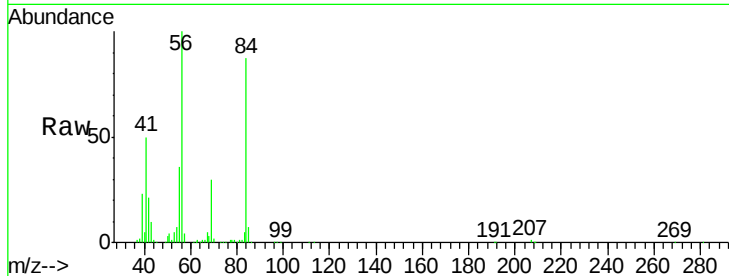
#31
Cyclohexane
Concen: 48.708 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.01 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	25.4	38.0
84	85.8	69.5	104.3

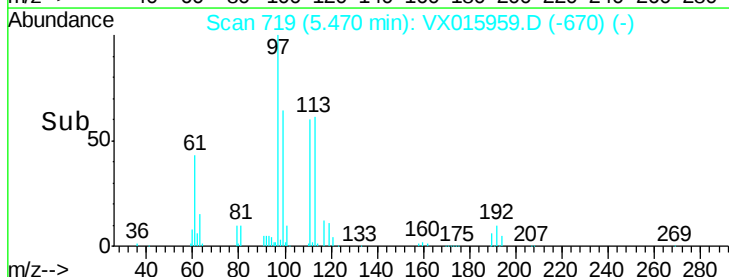
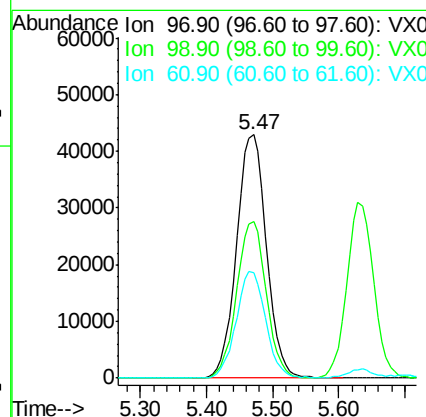
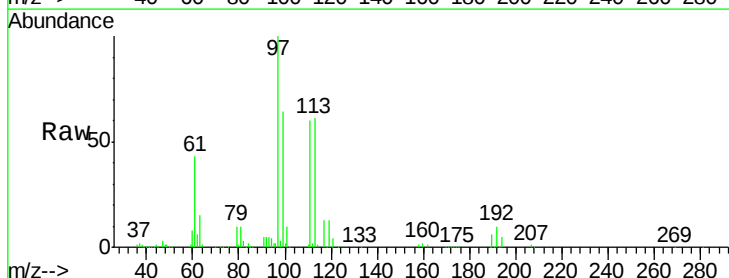
Manual Integrations
APPROVED

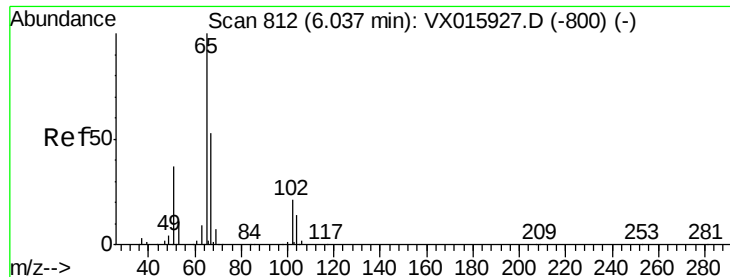
MMDadoda
4/27/2020 12:40:23 PM



#32
1,1,1-Trichloroethane
Concen: 49.554 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.1	76.7
61	43.4	35.0	52.4





#33

1,2-Dichloroethane-d4

Concen: 52.237 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.01 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 99668

Ion Ratio Lower Upper

65 100

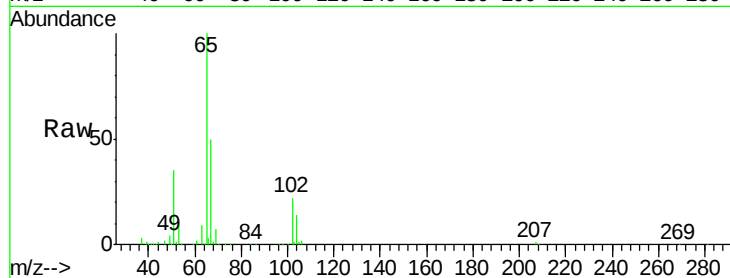
67 52.5 0.0 106.6

Manual Integrations

APPROVED

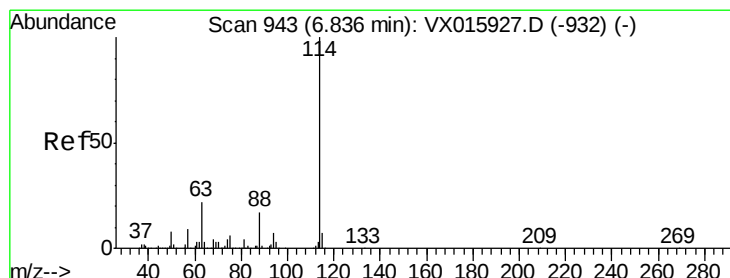
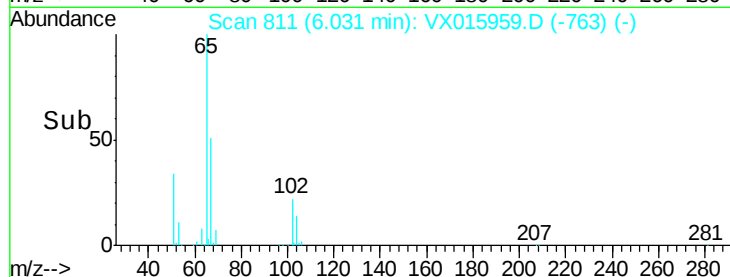
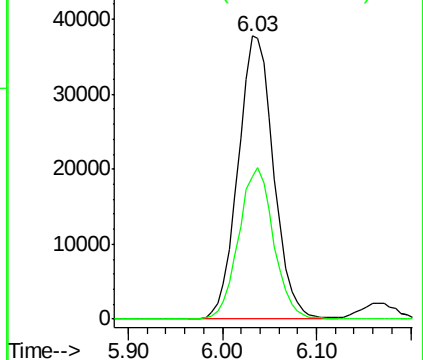
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

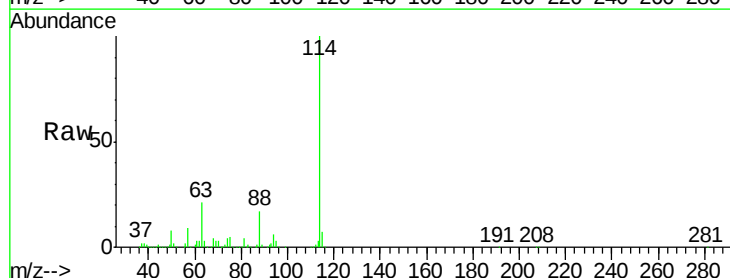
Tgt Ion: 114 Resp: 259076

Ion Ratio Lower Upper

114 100

63 21.3 0.0 44.4

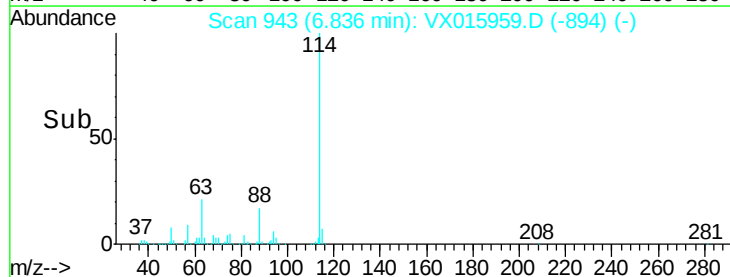
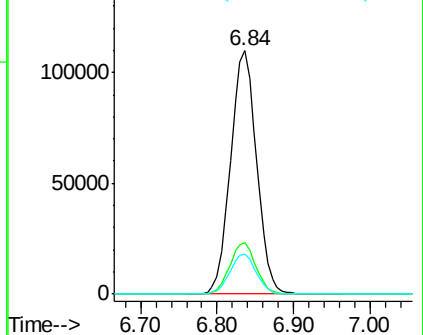
88 16.7 0.0 34.2

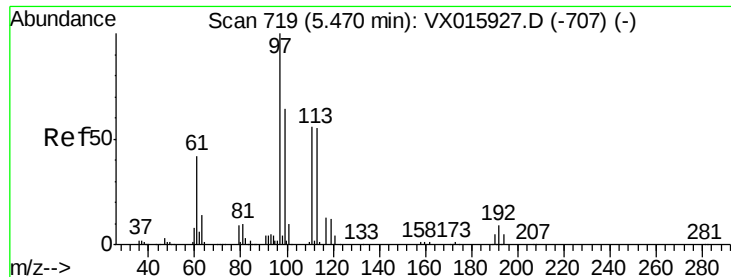


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 53.674 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

Instrument :

MSVOA_X

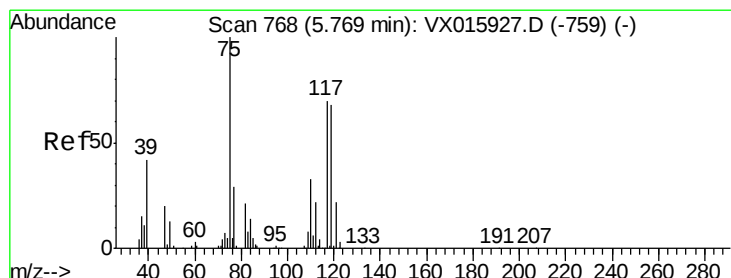
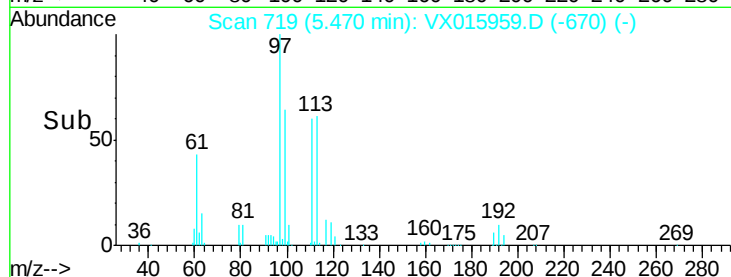
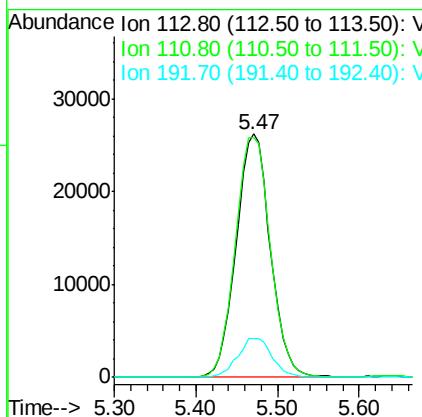
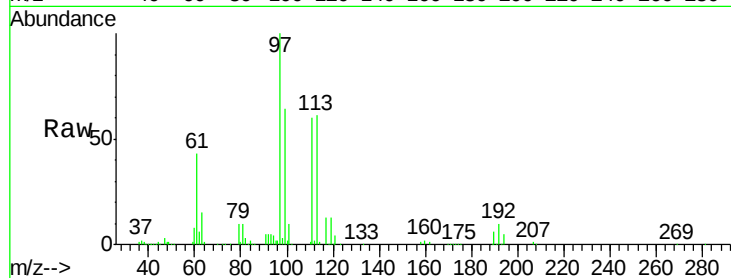
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	75839
Ion Ratio	Lower	Upper	
113	100		
111	101.9	81.2	121.8
192	16.3	13.6	20.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.349 ug/l

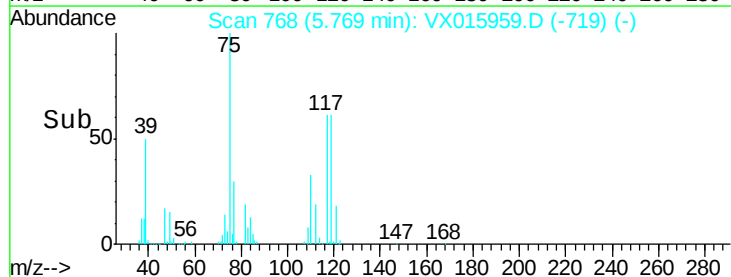
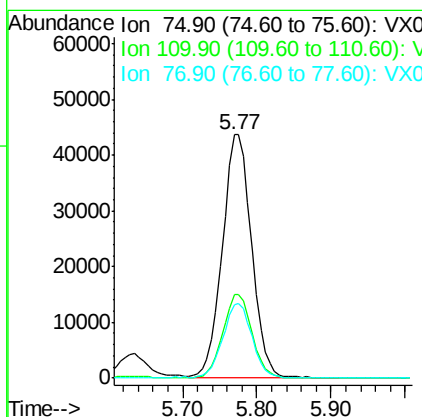
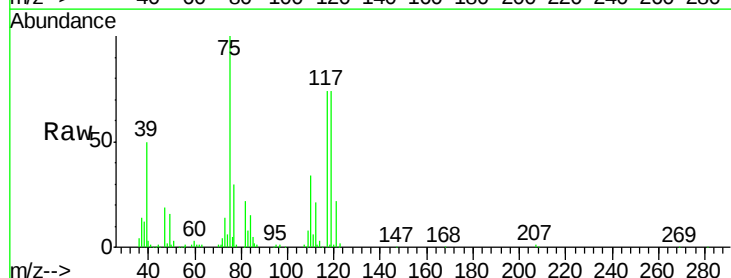
RT: 5.77 min Scan# 768

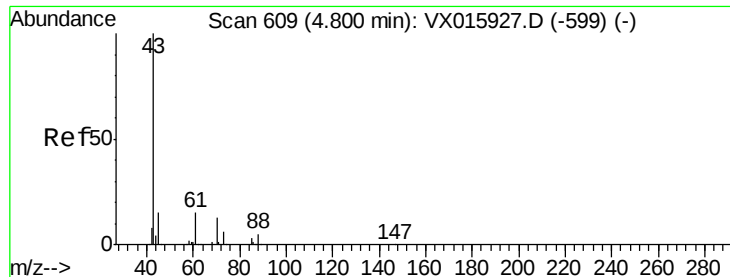
Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

Tgt Ion:	75	Resp:	119545
Ion Ratio	Lower	Upper	
75	100		
110	34.2	17.1	51.3
77	30.4	25.0	37.4





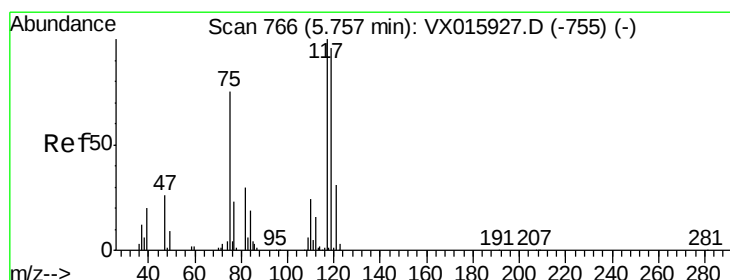
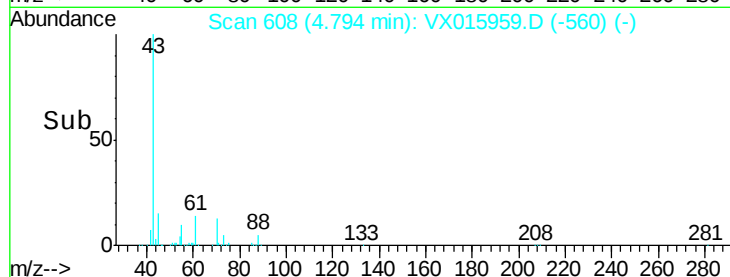
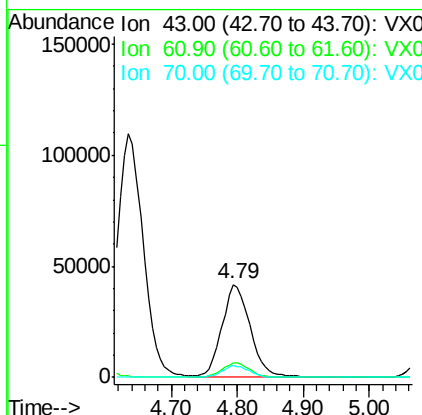
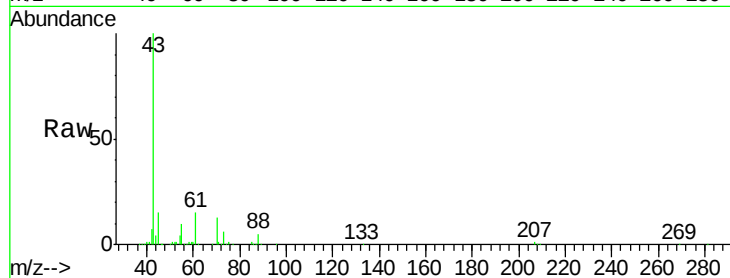
#37
Ethyl Acetate
Concen: 49.537 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	122861
Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.6	17.4
70	12.3	9.8	14.6

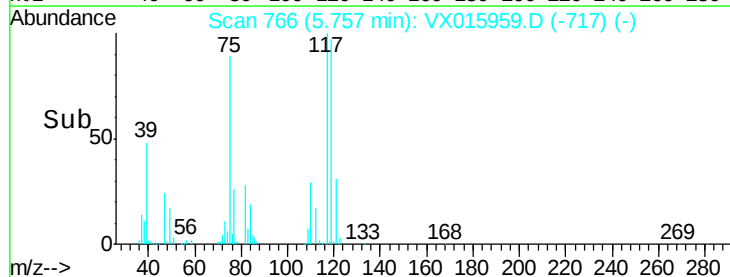
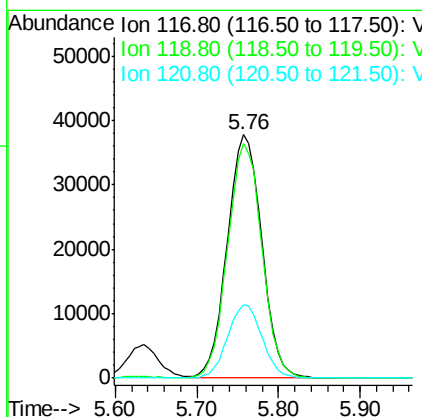
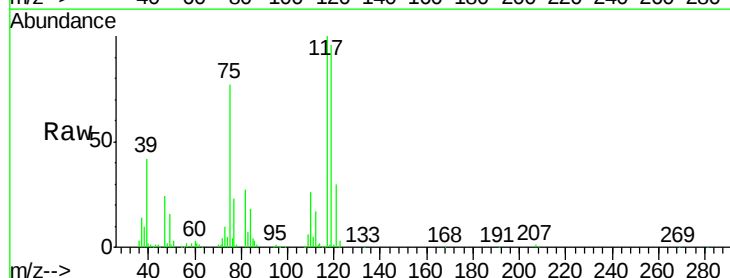
Manual Integrations
APPROVED

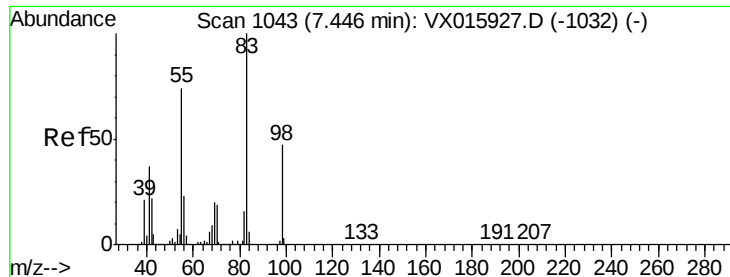
MMDadoda
4/27/2020 12:40:23 PM



#38
Carbon Tetrachloride
Concen: 48.805 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Tgt Ion:	117	Resp:	110272
Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.0	115.6
121	30.4	25.0	37.4





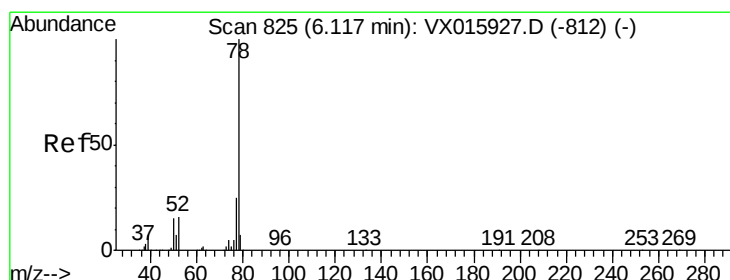
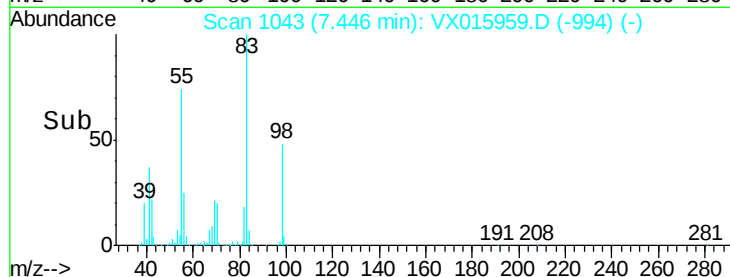
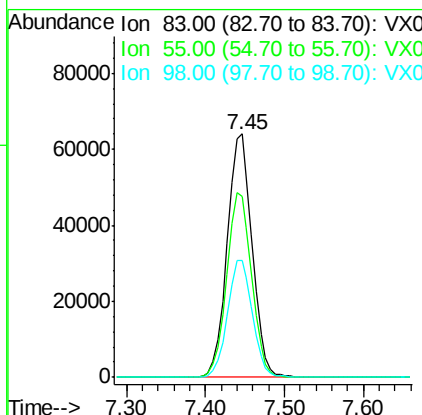
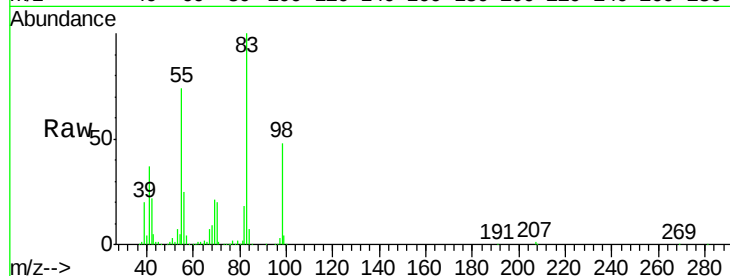
#39
Methvlcvclohexane
Concen: 46.923 ug/l
RT: 7.45 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.4	59.0	88.4
98	48.2	37.4	56.0

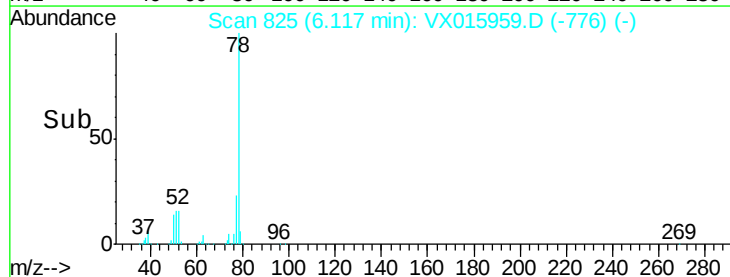
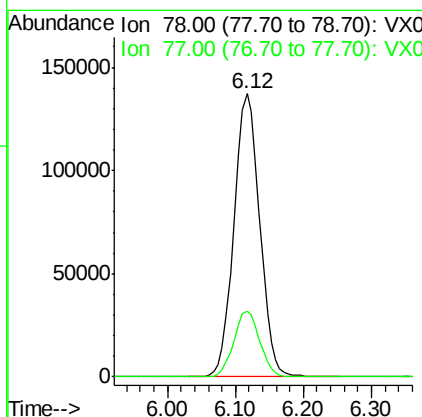
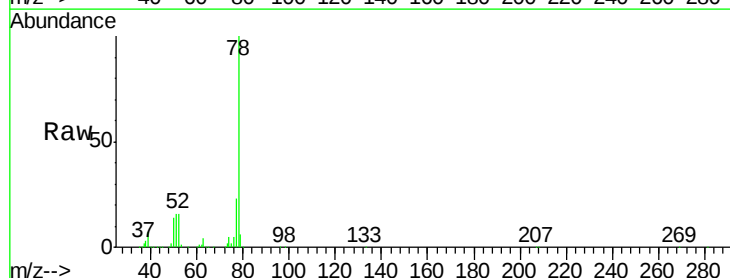
Manual Integrations
APPROVED

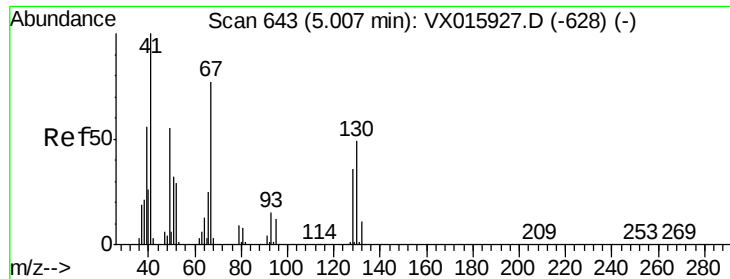
MMDadoda
4/27/2020 12:40:23 PM



#40
Benzene
Concen: 49.950 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.8	29.8





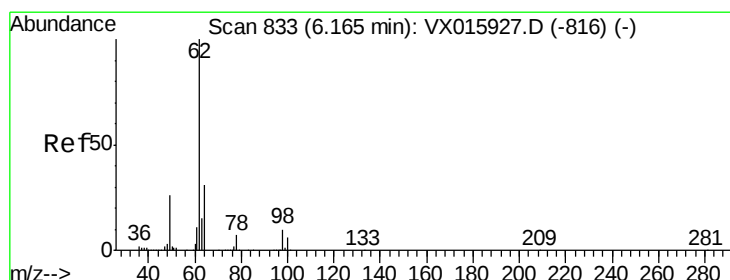
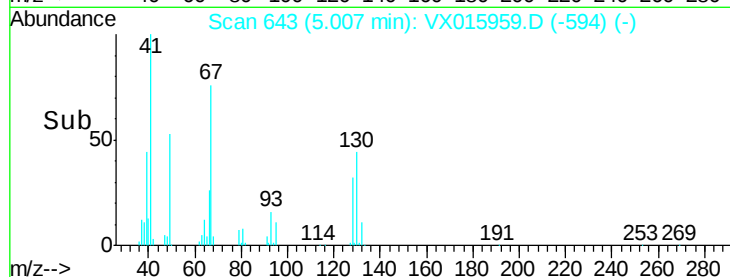
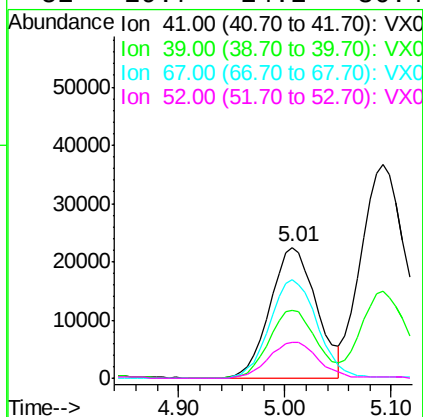
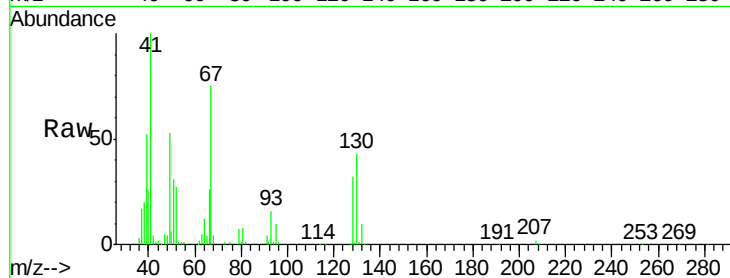
#41
Methacrylonitrile
Concen: 48.460 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		68128		
39	52.4	42.8	64.2		
67	77.3	62.0	93.0		
52	29.7	24.2	36.4		

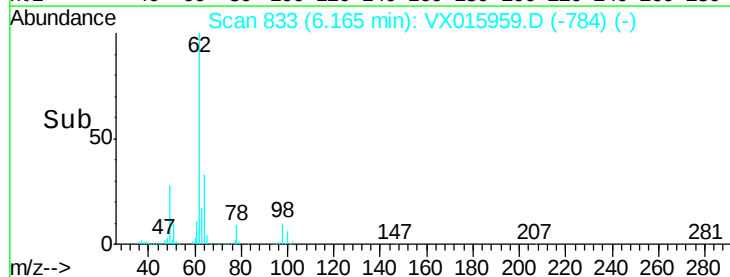
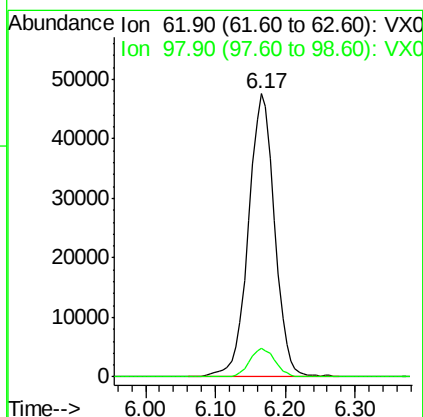
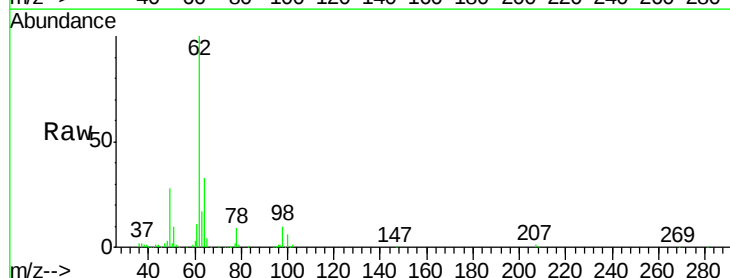
Manual Integrations
APPROVED

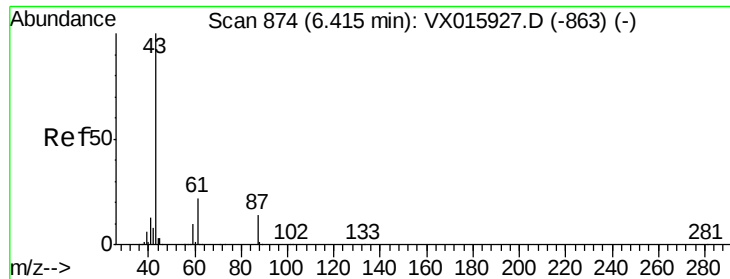
MMDadoda
4/27/2020 12:40:23 PM



#42
1,2-Dichloroethane
Concen: 49.023 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		124140		
98	9.8	0.0	20.0		





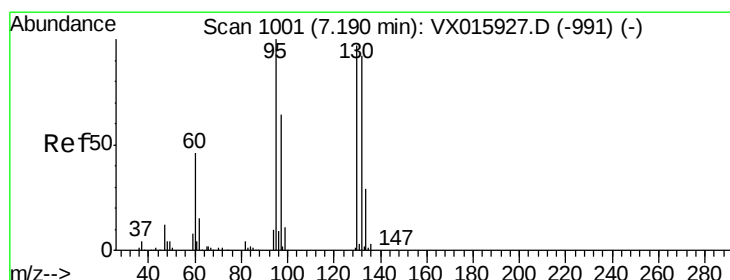
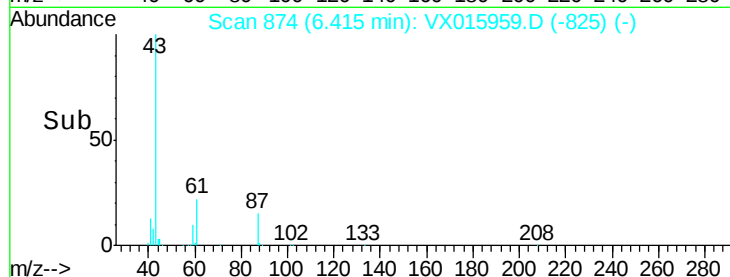
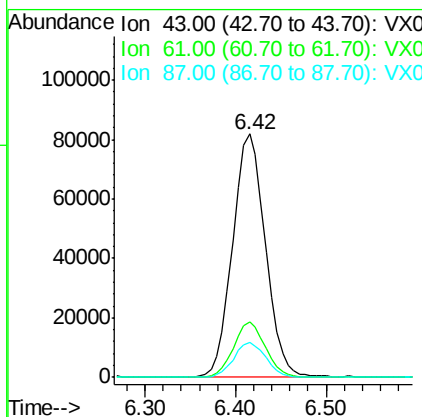
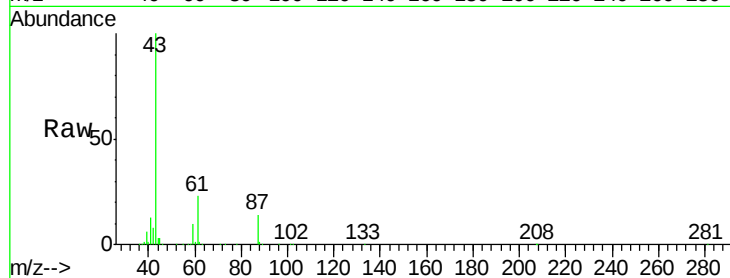
#43
Isopropyl Acetate
Concen: 50.169 ug/l
RT: 6.42 min Scan# 874
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.4	17.6	26.4
87	14.4	11.6	17.4

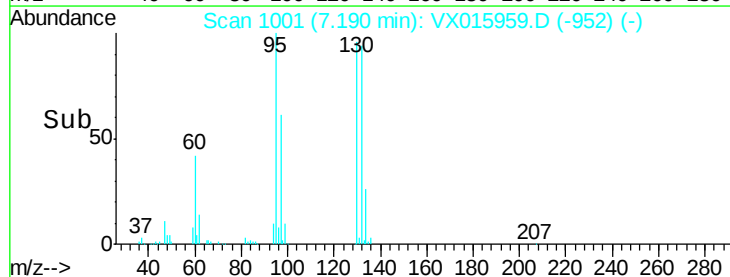
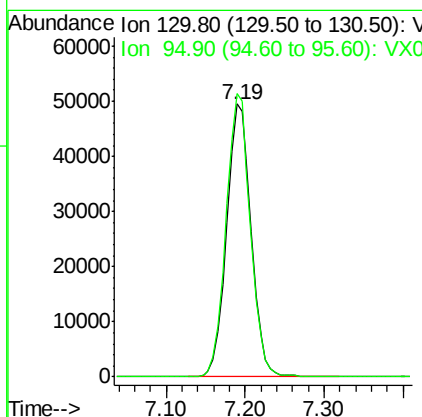
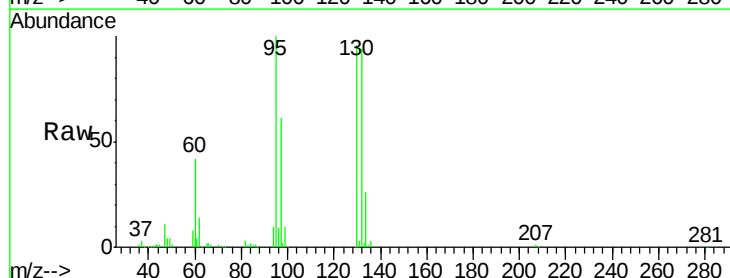
Manual Integrations
APPROVED

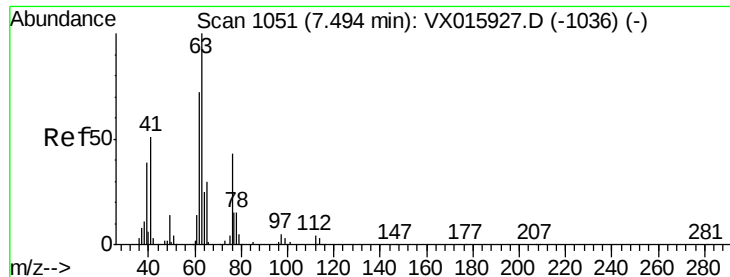
MMDadoda
4/27/2020 12:40:23 PM



#44
Trichloroethene
Concen: 47.944 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	205.2





#45

1,2-Dichloropropane

Concen: 50.020 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 92619

Ion Ratio Lower Upper

63 100

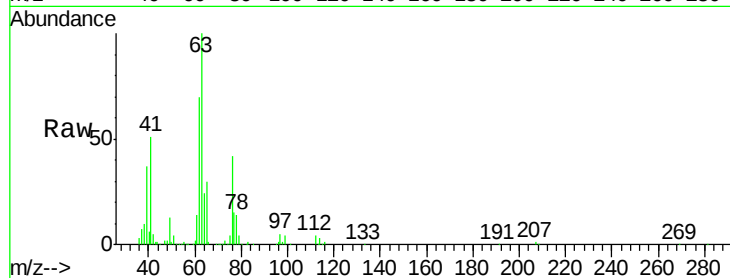
65 30.1 24.3 36.5

Manual Integrations

APPROVED

MMDadoda

4/27/2020 12:40:23 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.49

50000

40000

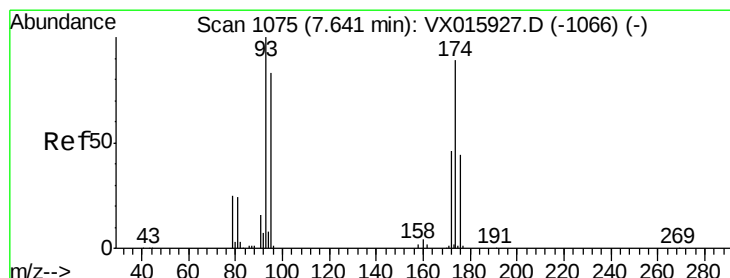
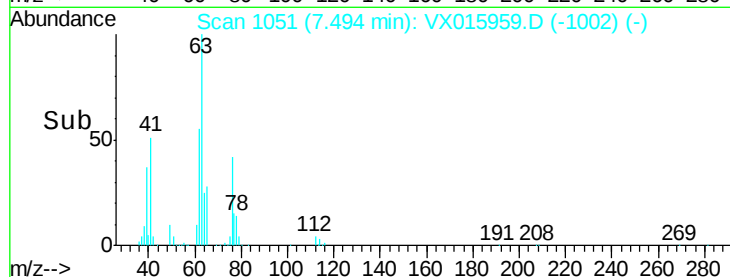
30000

20000

10000

0

Time--> 7.30 7.40 7.50 7.60



#46

Dibromomethane

Concen: 48.949 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

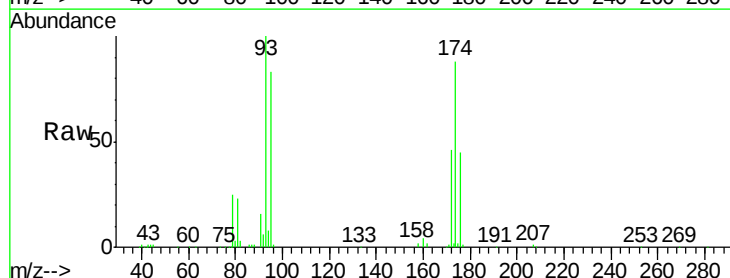
Tgt Ion: 93 Resp: 60528

Ion Ratio Lower Upper

93 100

95 83.4 65.7 98.5

174 87.3 70.6 105.8



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

7.64

40000

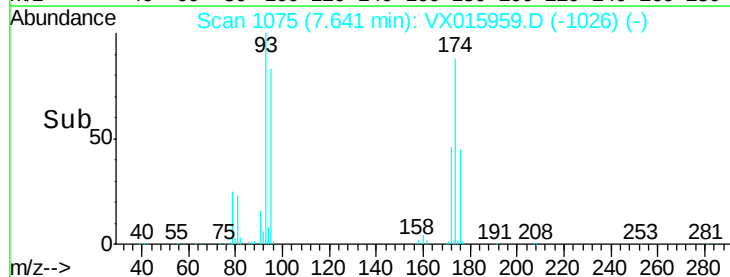
30000

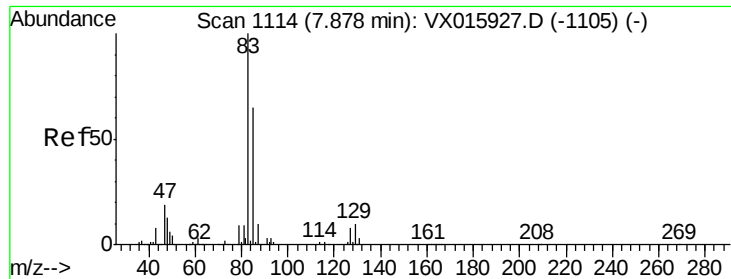
20000

10000

0

Time--> 7.60 7.70 7.80





#47

Bromodichloromethane

Concen: 49.452 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

Instrument :

MSVOA_X

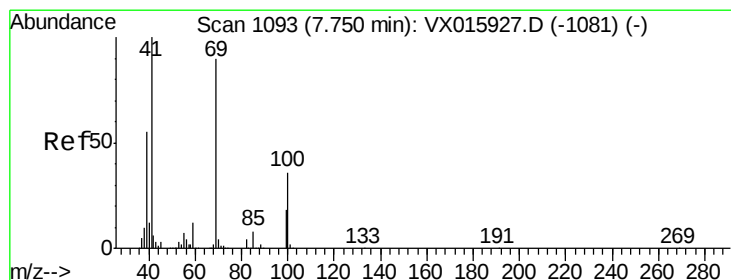
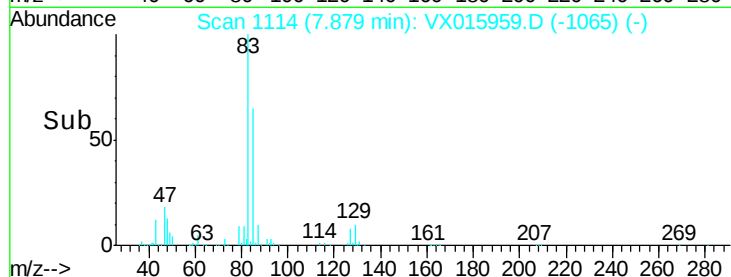
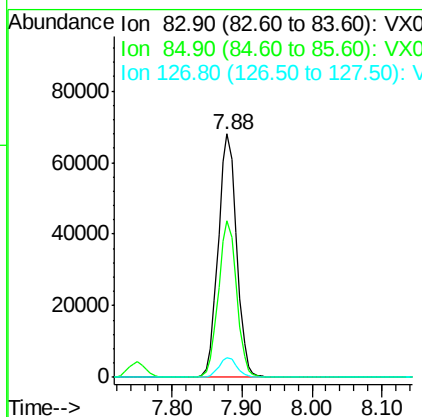
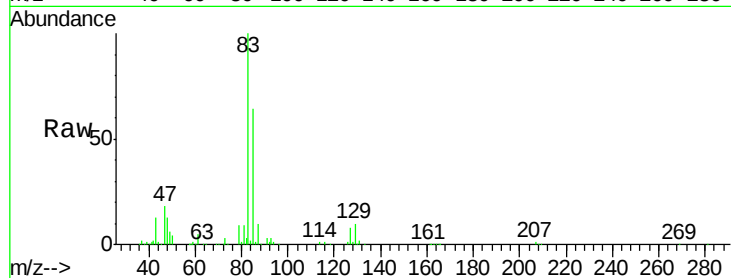
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	124439
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.6	77.4
127	7.8	6.7	10.1

Manual Integrations
APPROVED

MMDadoda
4/27/2020 12:40:23 PM



#48

Methyl methacrylate

Concen: 48.955 ug/l

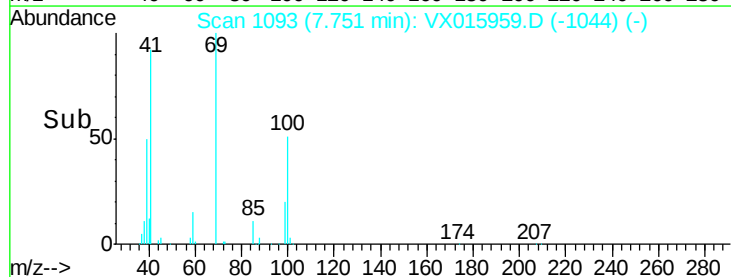
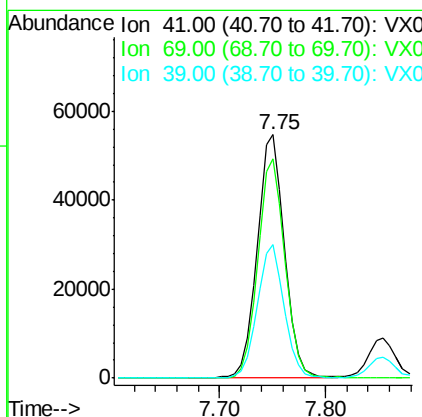
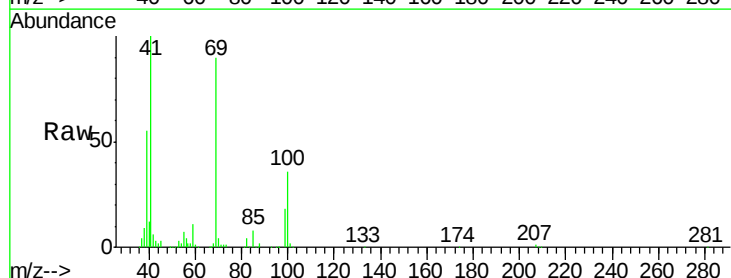
RT: 7.75 min Scan# 1093

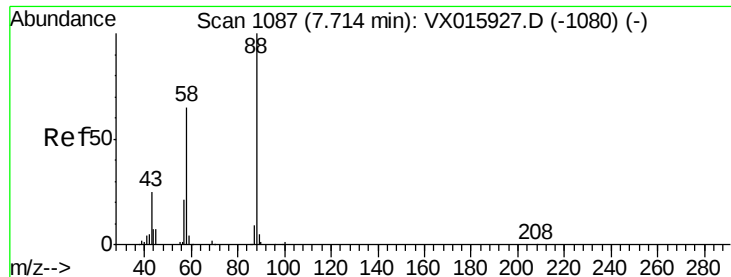
Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

Tgt Ion:	41	Resp:	98088
Ion	Ratio	Lower	Upper
41	100		
69	89.8	72.0	108.0
39	53.8	44.1	66.1





#49

1,4-Dioxane

Concen: 1032.829 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

Instrument :

MSVOA_X

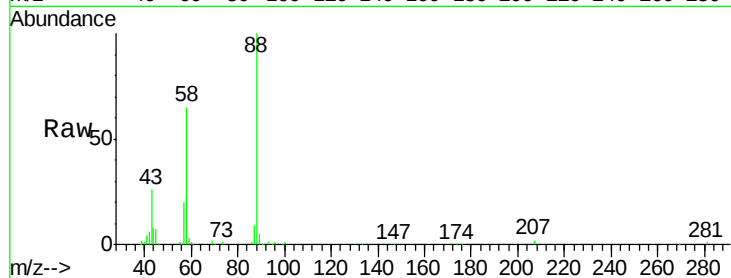
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	46026
Ion	Ratio	Lower	Upper
88	100		
43	29.0	23.8	35.8
58	68.7	55.7	83.5

Manual Integrations
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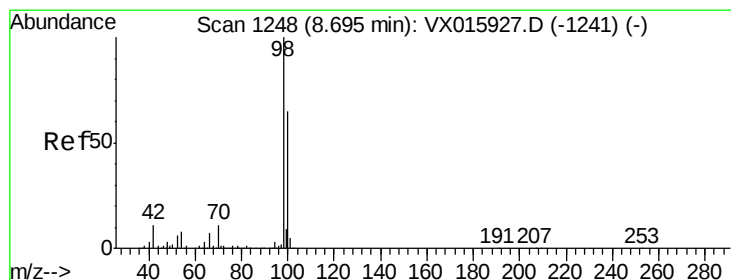
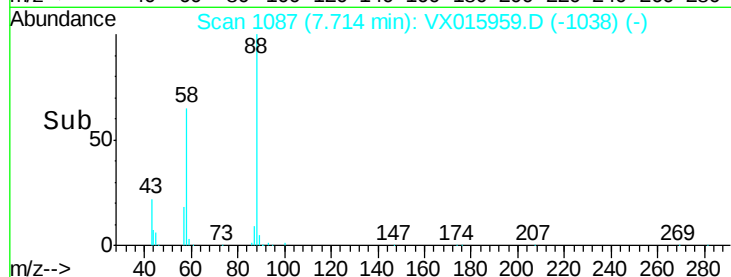
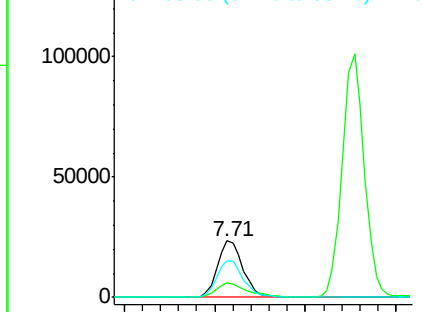
MMDadoda
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Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 51.058 ug/l

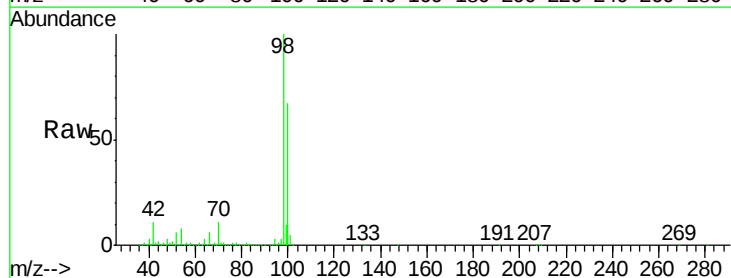
RT: 8.70 min Scan# 1249

Delta R.T. 0.01 min

Lab File: VX015959.D

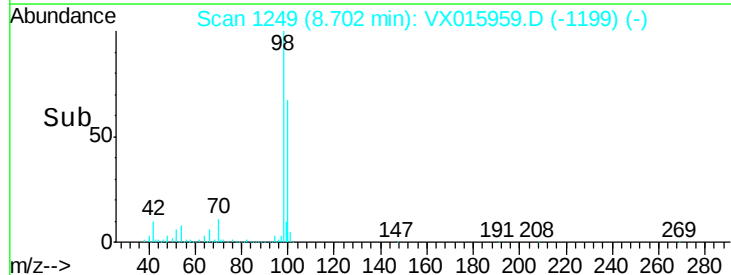
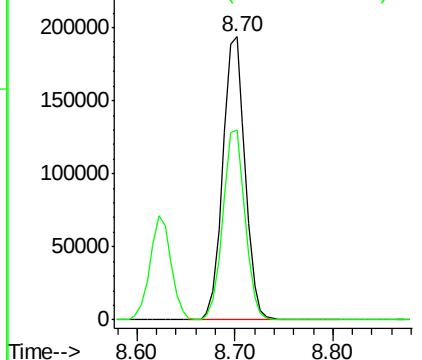
Acq: 25 Apr 2020 02:09

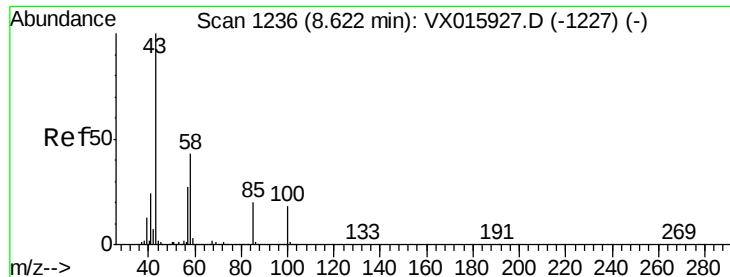
Tgt Ion:	98	Resp:	305432
Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.0	79.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





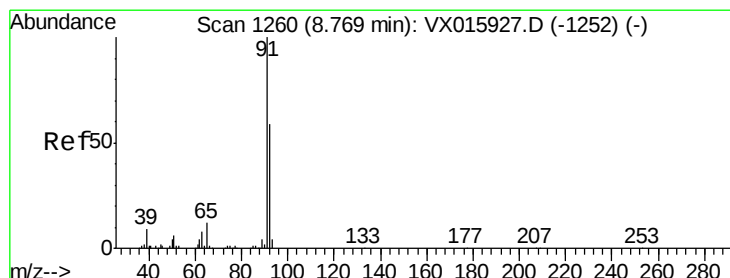
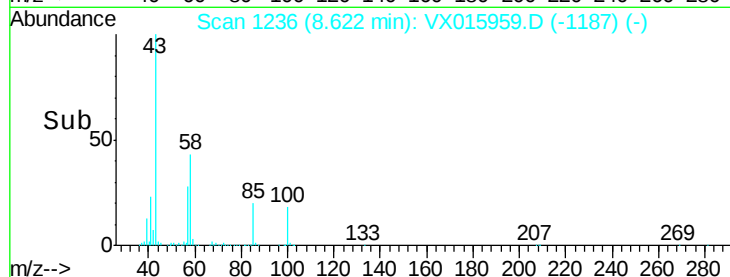
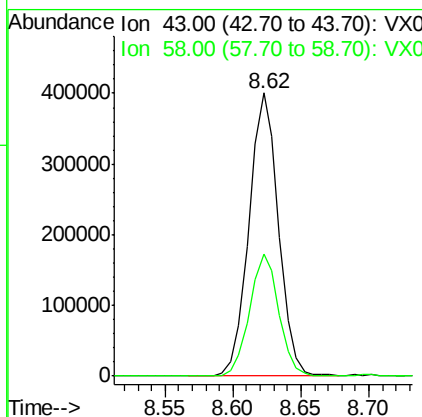
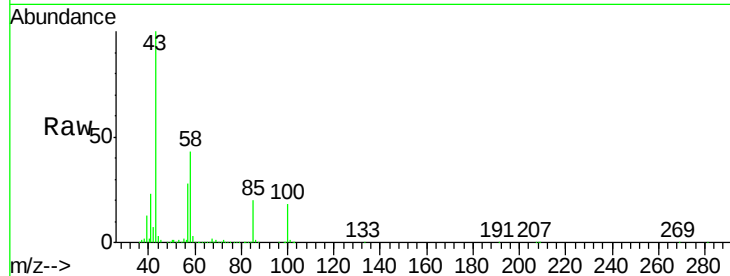
#51
4-Methyl-2-Pentanone
Concen: 254.772 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 608592
Ion Ratio Lower Upper
43 100
58 42.8 34.2 51.4

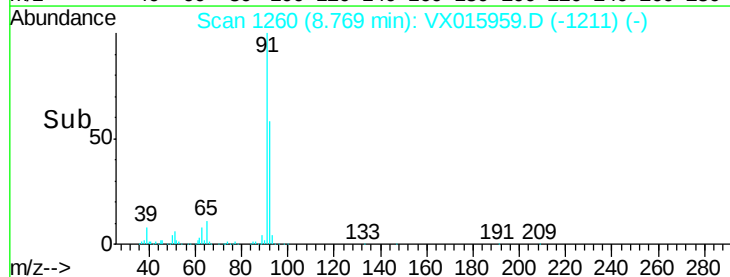
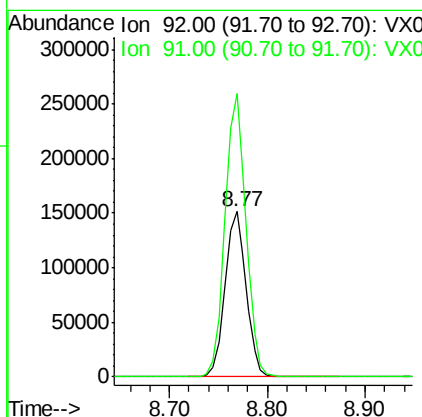
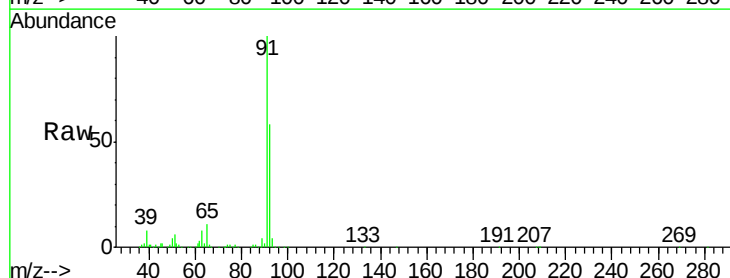
Manual Integrations
APPROVED

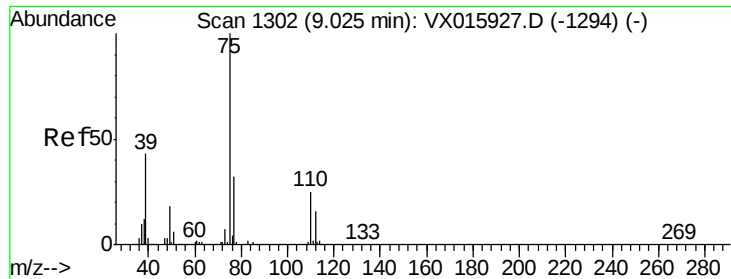
MMDadoda
4/27/2020 12:40:23 PM



#52
Toluene
Concen: 49.297 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Tgt Ion: 92 Resp: 226289
Ion Ratio Lower Upper
92 100
91 170.7 134.0 201.0





#53

t-1,3-Dichloropropene

Concen: 47.425 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 143900

Ion Ratio Lower Upper

75 100

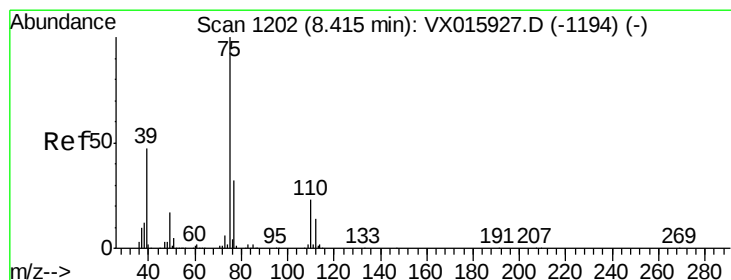
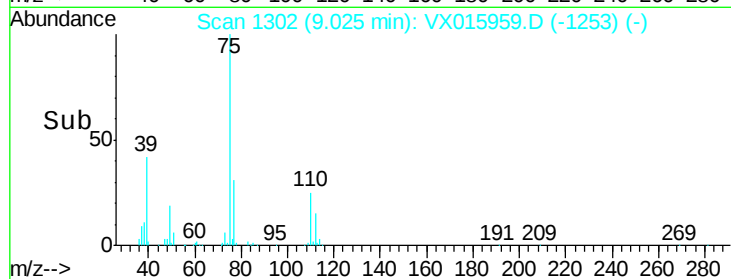
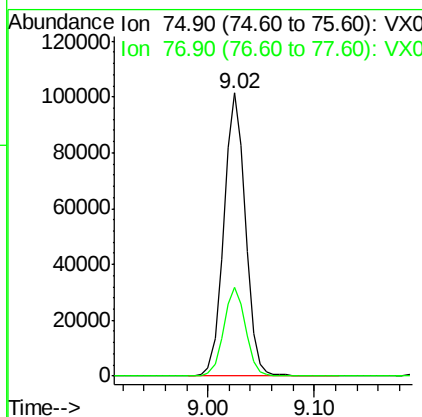
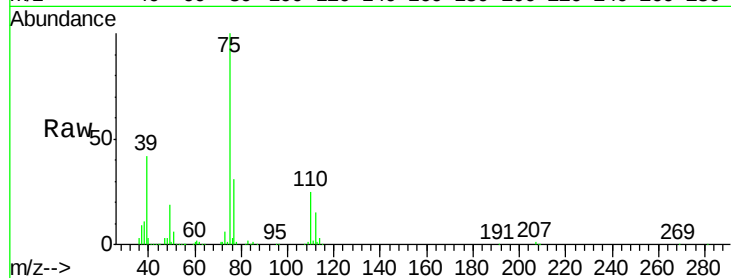
77 31.3 25.9 38.9

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 47.996 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

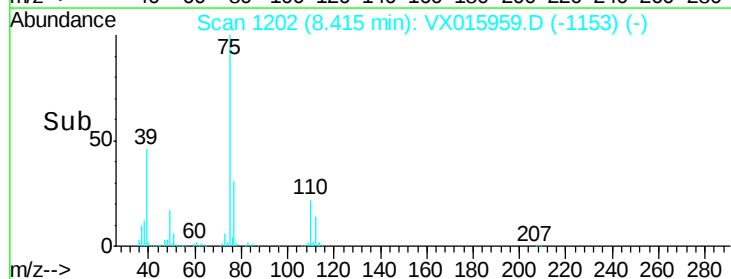
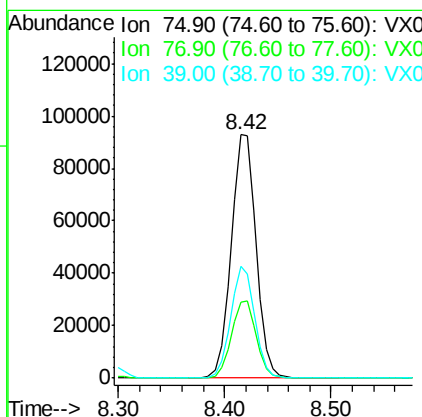
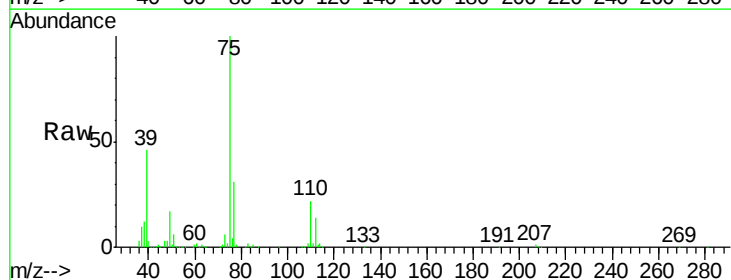
Tgt Ion: 75 Resp: 152348

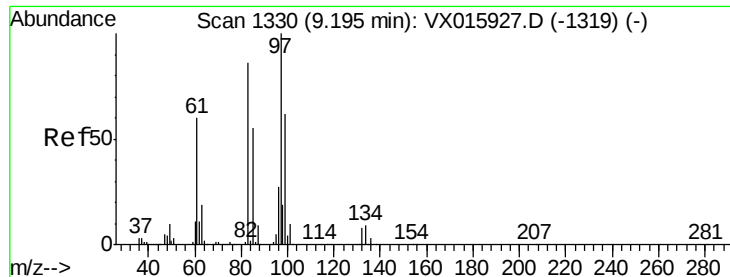
Ion Ratio Lower Upper

75 100

77 31.1 25.8 38.8

39 45.6 37.2 55.8





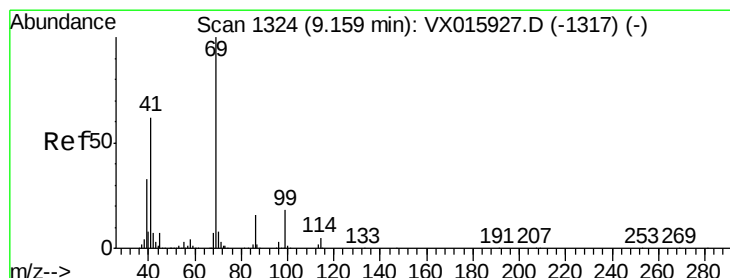
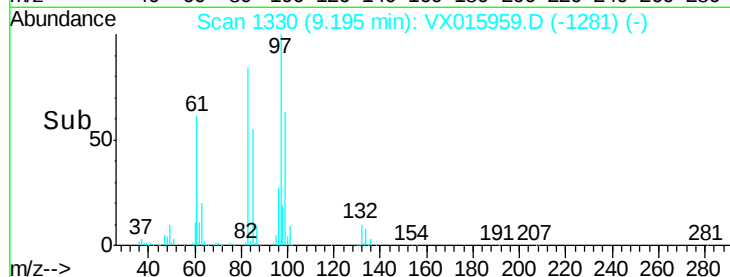
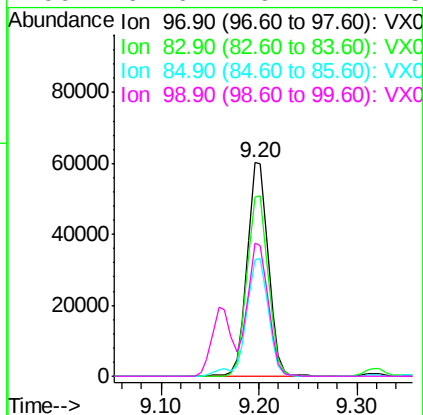
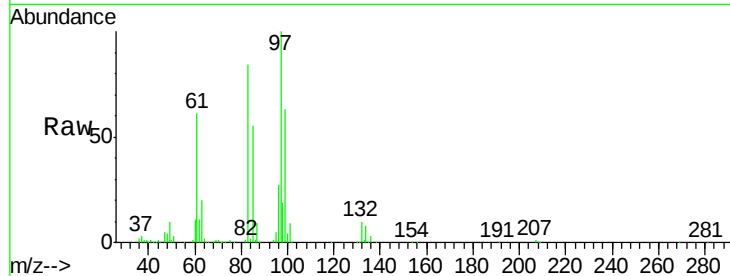
#55
 1,1,2-Trichloroethane
 Concen: 49.396 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX015959.D
 Acq: 25 Apr 2020 02:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	90559
Ion	Ratio	Lower	Upper
97	100		
83	83.7	68.6	103.0
85	54.8	44.0	66.0
99	62.6	49.7	74.5

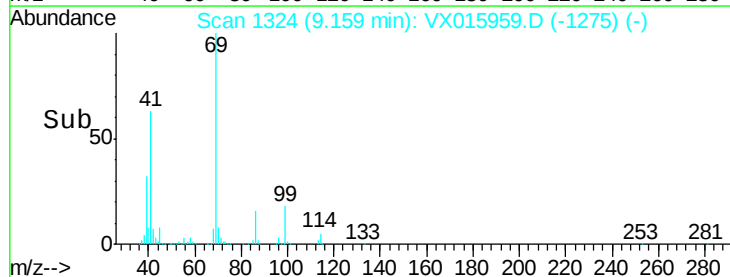
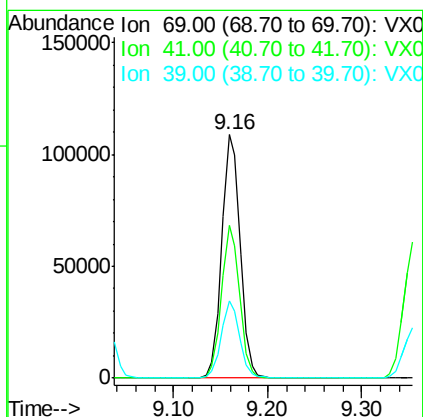
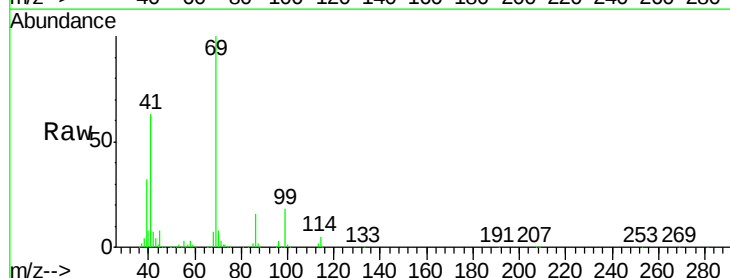
Manual Integrations
 APPROVED

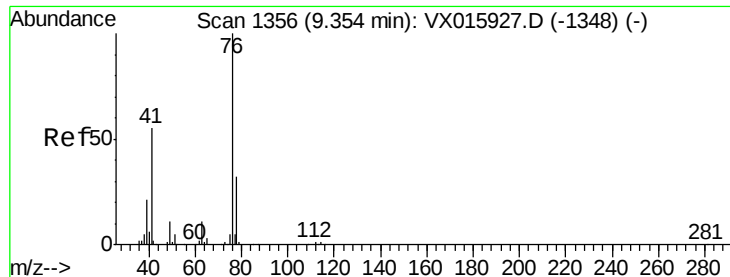
MMDadoda
 4/27/2020 12:40:23 PM



#56
 Ethyl methacrylate
 Concen: 50.105 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX015959.D
 Acq: 25 Apr 2020 02:09

Tgt Ion:	69	Resp:	147979
Ion	Ratio	Lower	Upper
69	100		
41	61.5	49.2	73.8
39	31.5	26.0	39.0





#57

1,3-Dichloropropane

Concen: 50.217 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 157510

Ion Ratio Lower Upper

76 100

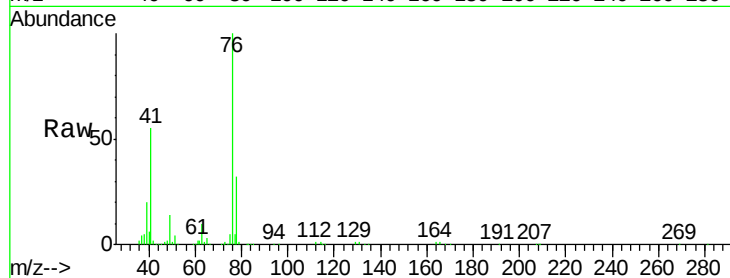
78 32.3 25.6 38.4

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

9.35

120000

100000

80000

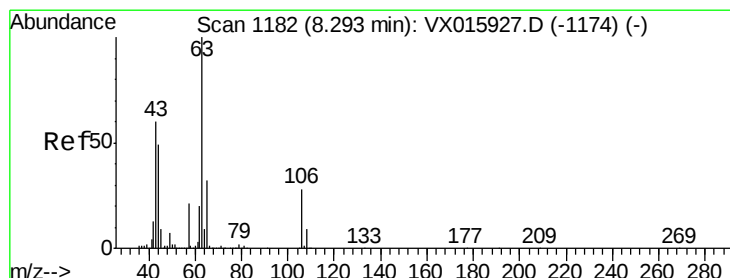
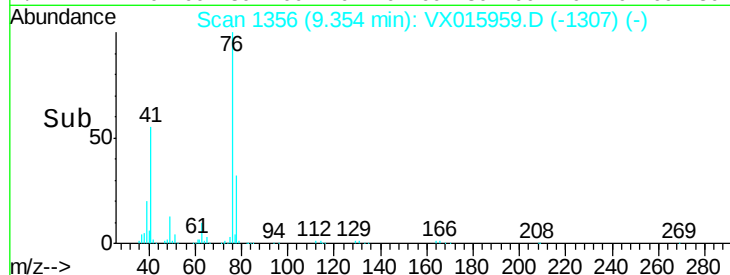
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 264.439 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX015959.D

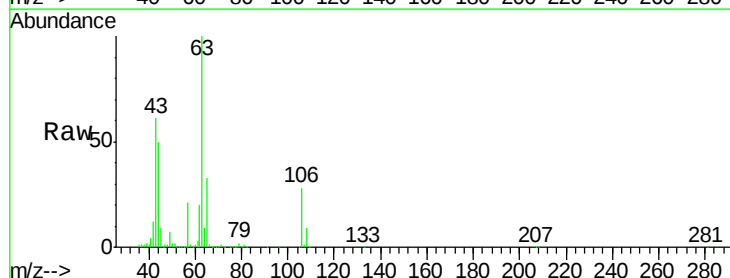
Acq: 25 Apr 2020 02:09

Tgt Ion: 63 Resp: 385920

Ion Ratio Lower Upper

63 100

106 28.2 23.0 34.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.29

250000

200000

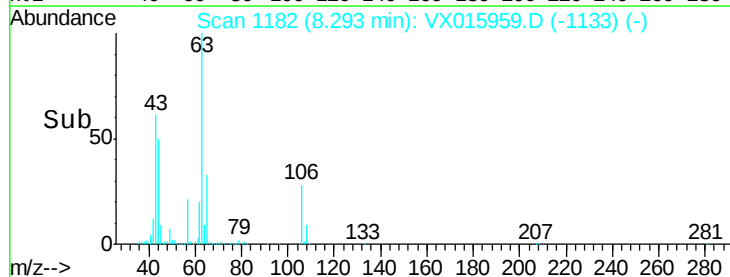
150000

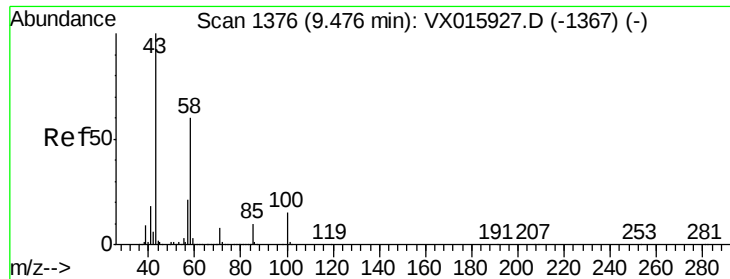
100000

50000

0

Time-->





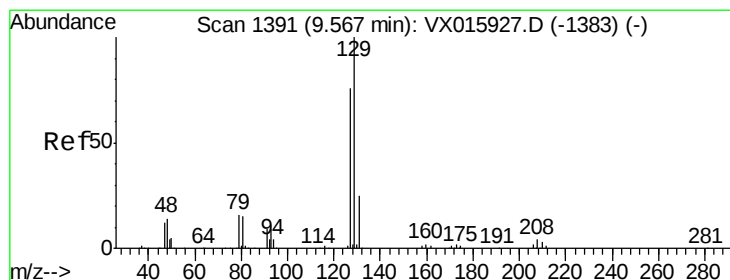
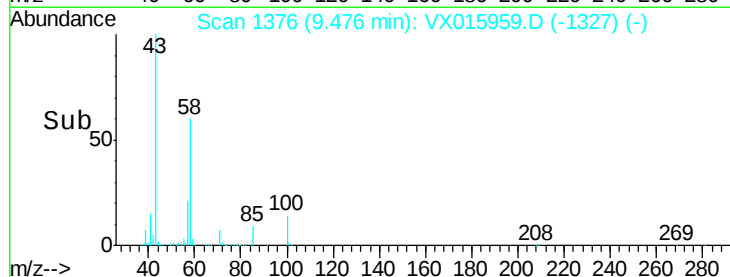
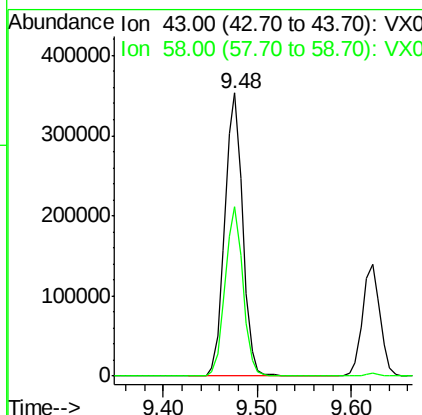
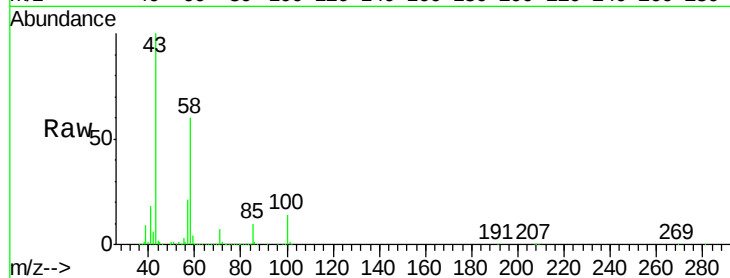
#59
2-Hexanone
Concen: 256.510 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 465269
Ion Ratio Lower Upper
43 100
58 59.6 29.7 89.1

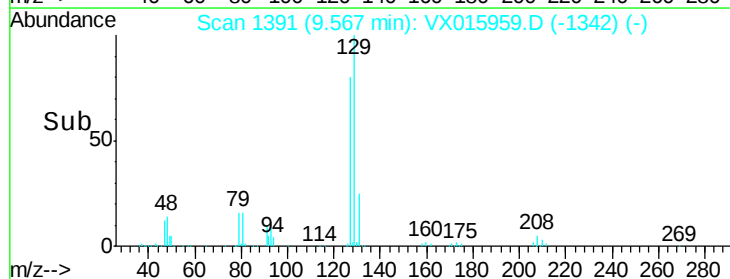
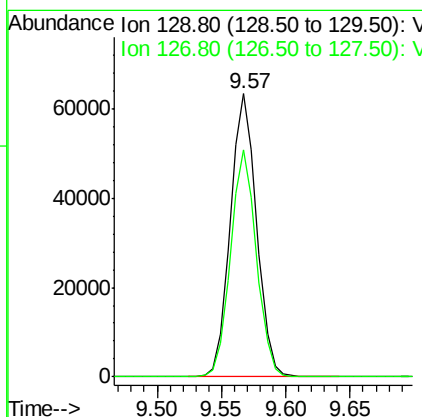
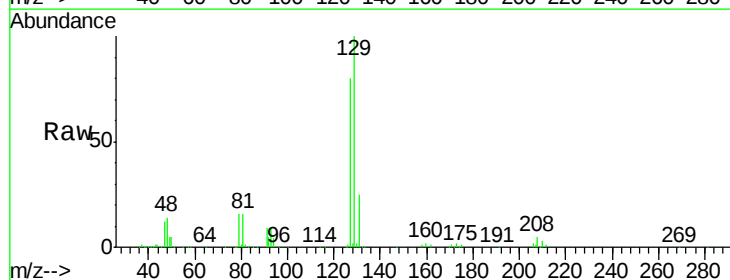
Manual Integrations
APPROVED

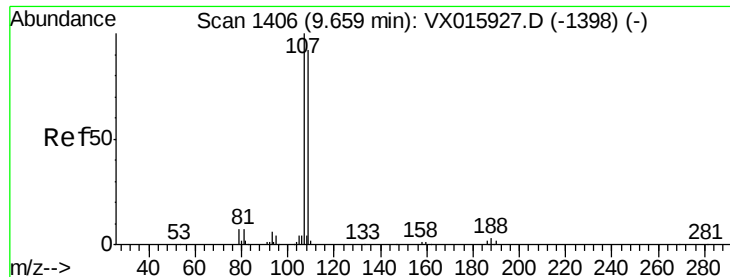
MMDadoda
4/27/2020 12:40:23 PM



#60
Dibromochloromethane
Concen: 49.600 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Tgt Ion: 129 Resp: 90300
Ion Ratio Lower Upper
129 100
127 78.8 38.8 116.3





#61

1,2-Dibromoethane

Concen: 49.432 ug/l

RT: 9.66 min Scan# 1406

Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 93734

Ion Ratio Lower Upper

107 100

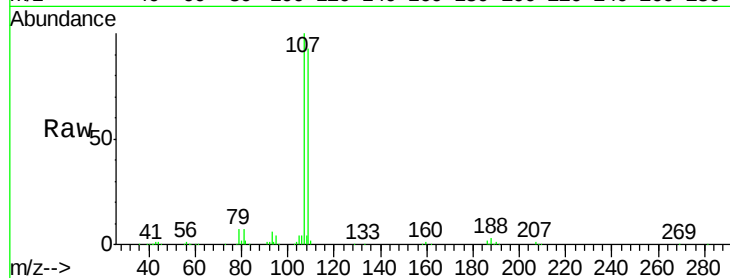
109 94.4 75.1 112.7

Manual Integrations

APPROVED

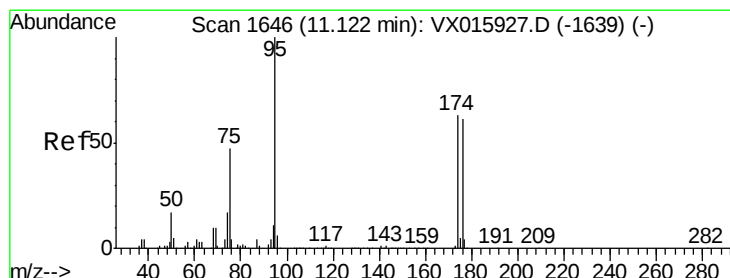
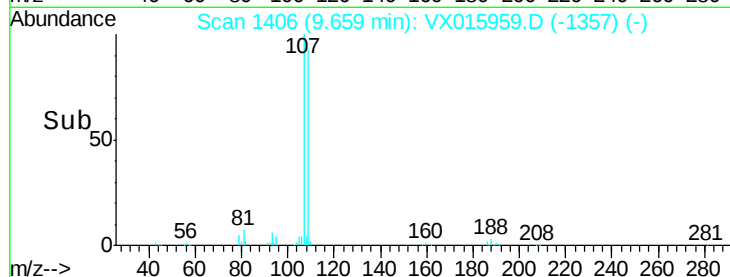
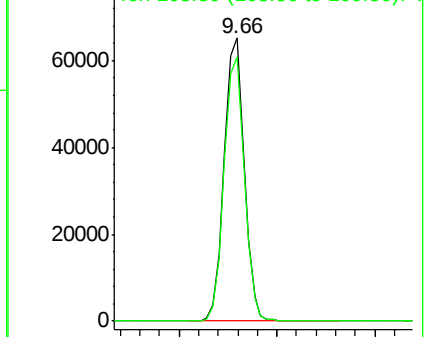
MMDadoda

4/27/2020 12:40:23 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.011 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

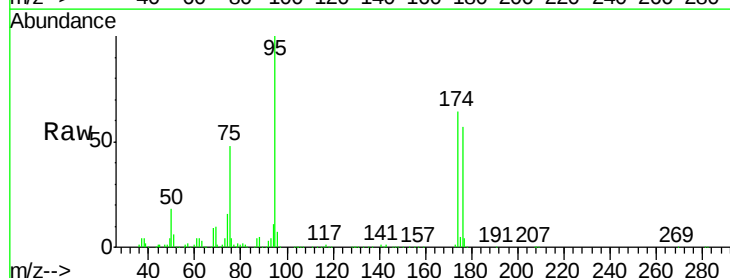
Tgt Ion: 95 Resp: 123770

Ion Ratio Lower Upper

95 100

174 65.5 0.0 133.6

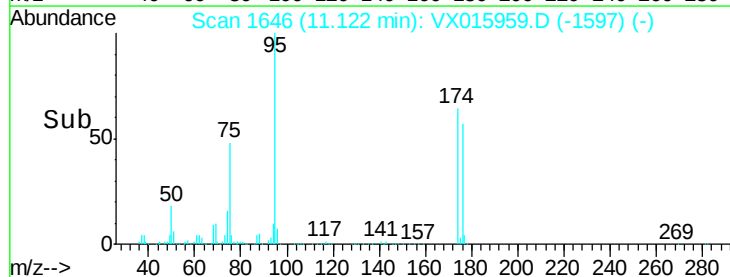
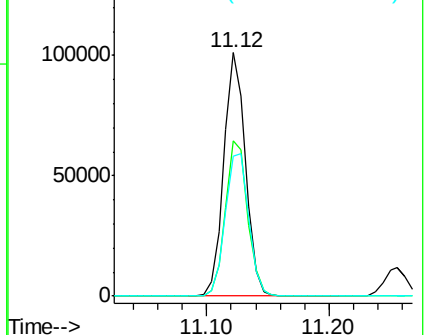
176 63.1 0.0 126.0

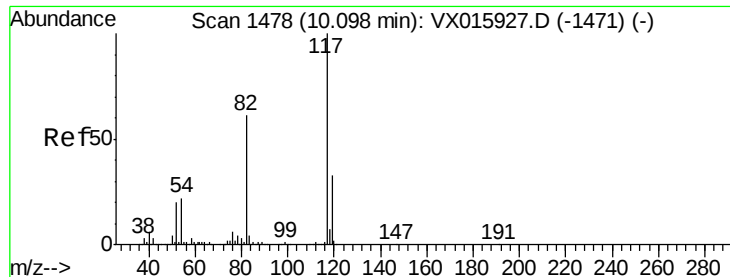


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





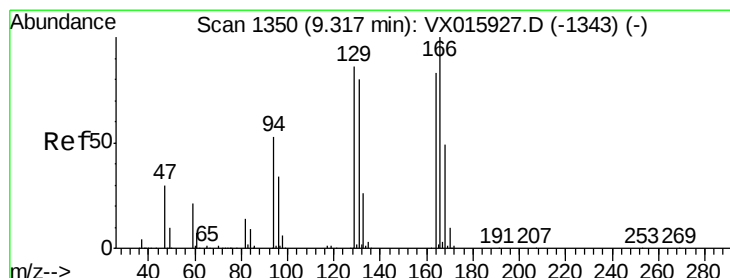
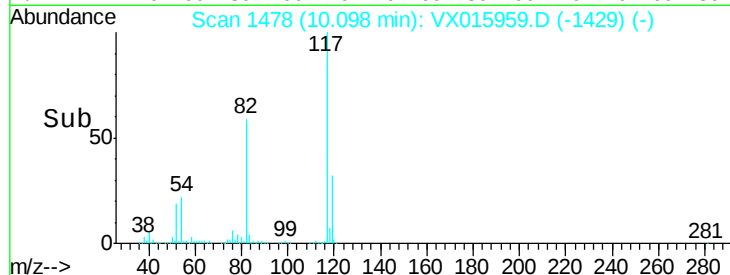
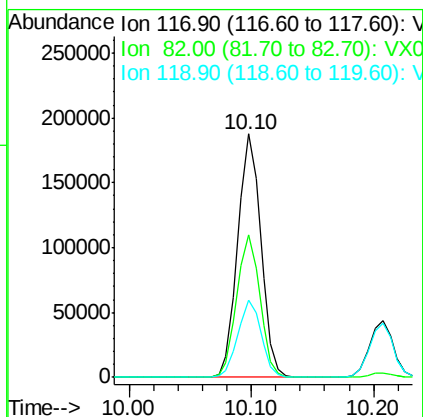
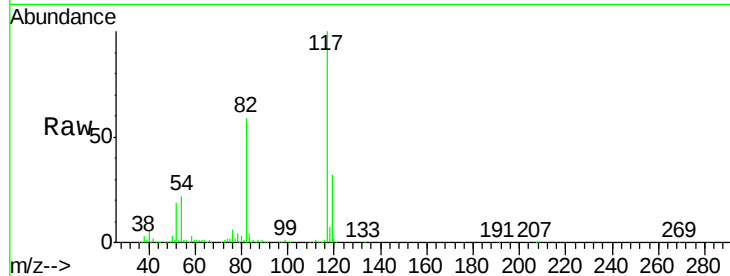
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	48.5	72.7
119	31.7	26.2	39.4

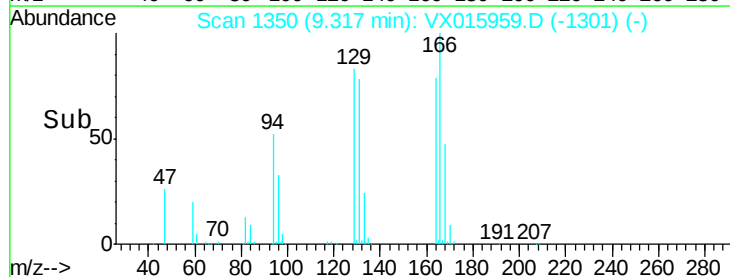
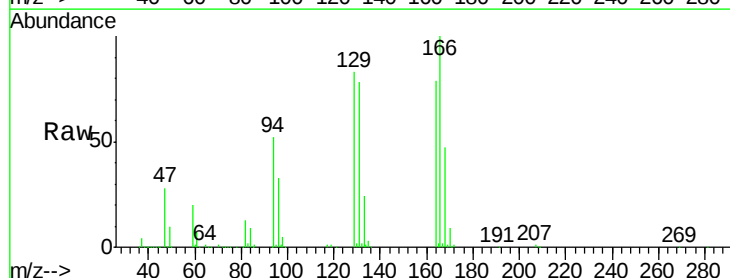
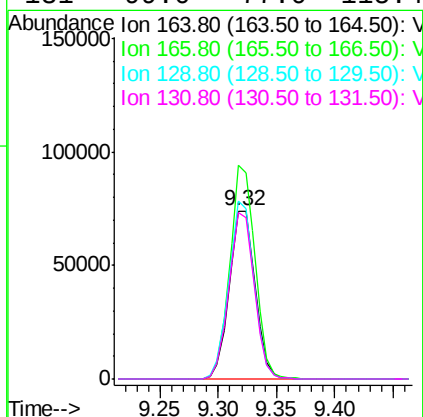
Manual Integrations
APPROVED

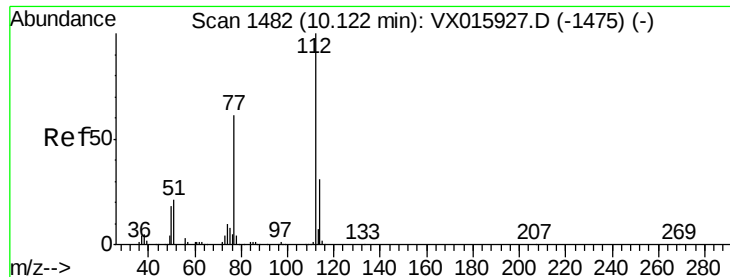
MMDadoda
4/27/2020 12:40:23 PM



#64
Tetrachloroethene
Concen: 46.602 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	96.7	145.1
129	105.8	82.8	124.2
131	99.0	77.0	115.4





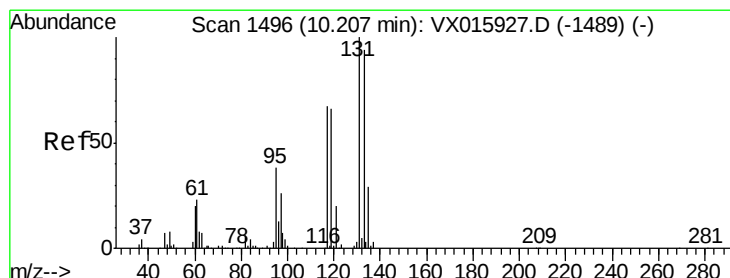
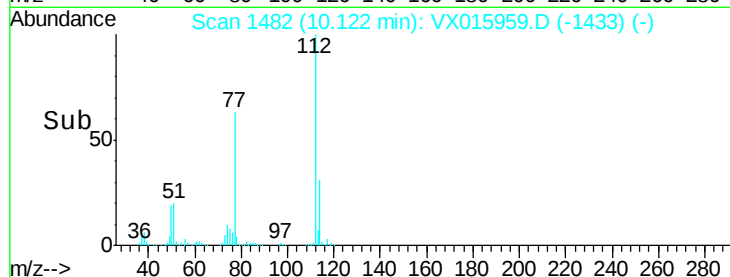
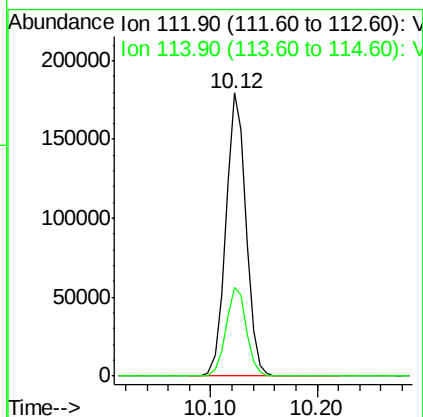
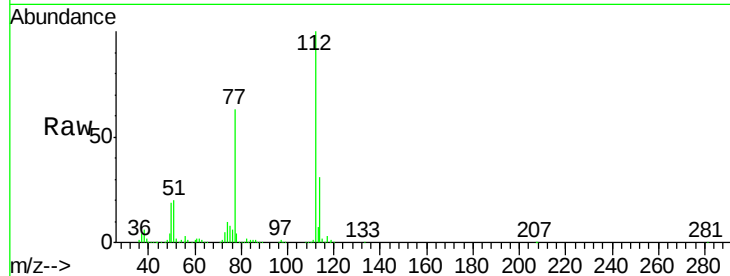
#65
Chlorobenzene
Concen: 48.678 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 237862
Ion Ratio Lower Upper
112 100
114 31.5 25.2 37.8

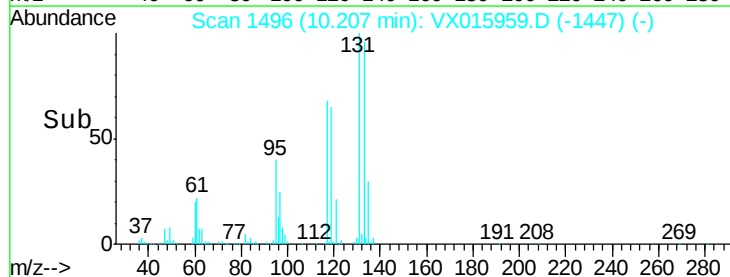
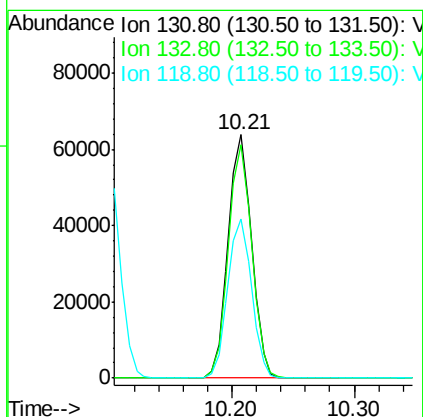
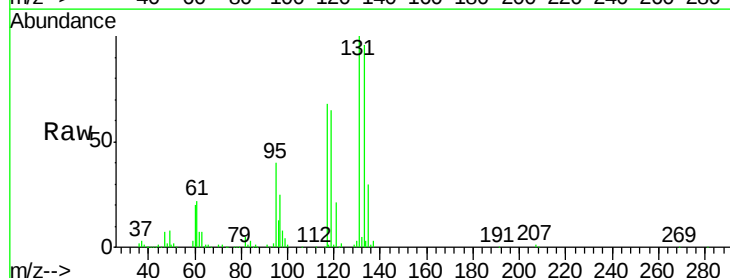
Manual Integrations
APPROVED

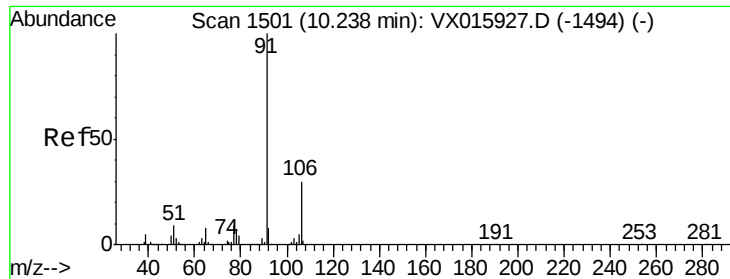
MMDadoda
4/27/2020 12:40:23 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.949 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Tgt Ion:131 Resp: 84758
Ion Ratio Lower Upper
131 100
133 95.4 46.7 140.0
119 66.7 33.7 101.0





#67

Ethyl Benzene

Concen: 48.425 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 436259

Ion Ratio Lower Upper

91 100

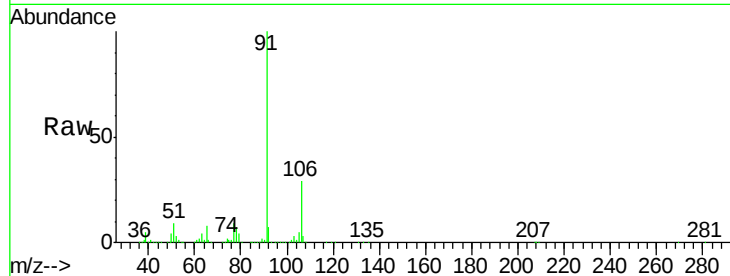
106 29.2 24.2 36.4

Manual Integrations

APPROVED

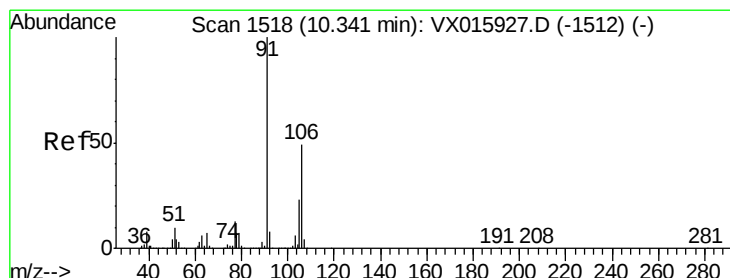
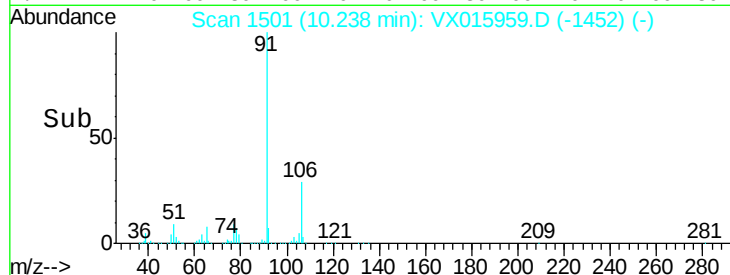
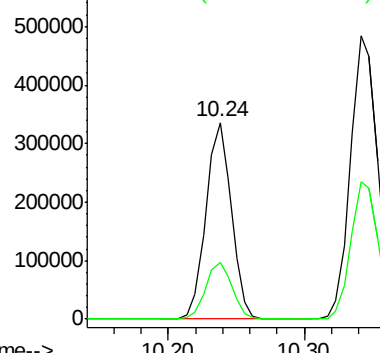
MMDadoda

4/27/2020 12:40:23 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 98.235 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX015959.D

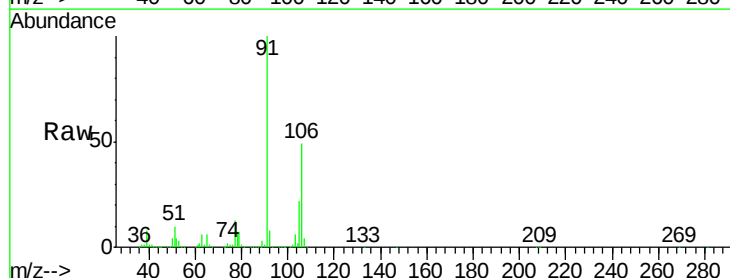
Acq: 25 Apr 2020 02:09

Tgt Ion: 106 Resp: 324115

Ion Ratio Lower Upper

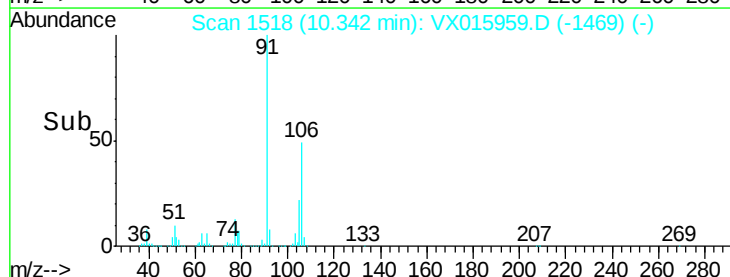
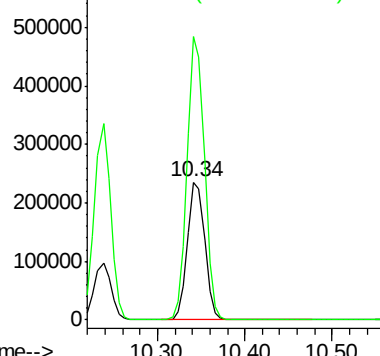
106 100

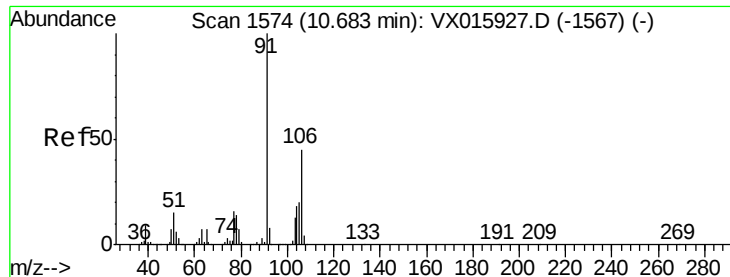
91 204.5 164.9 247.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





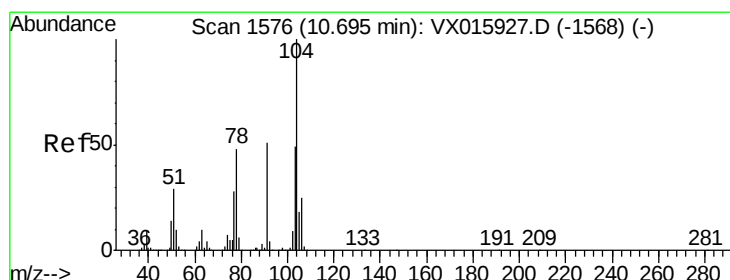
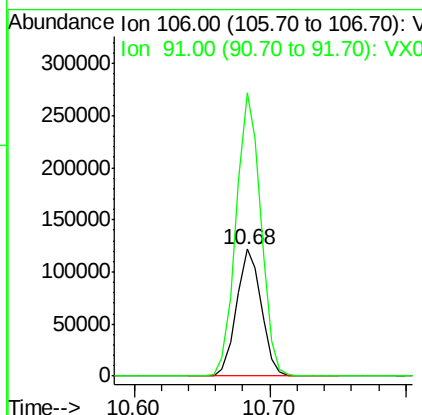
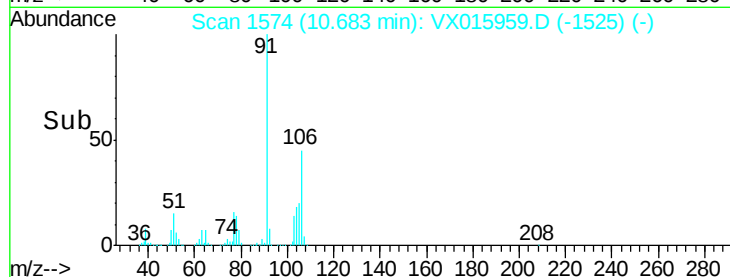
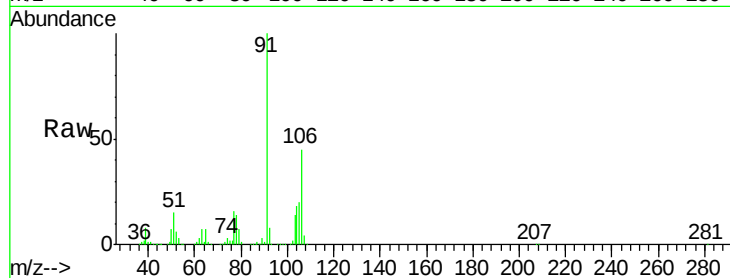
#69
o-Xylene
Concen: 47.975 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	154463		
91	91	222.7	108.6	325.8	

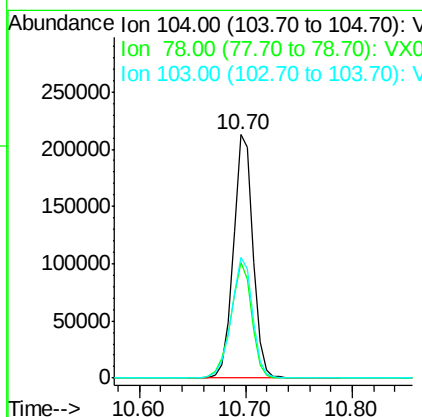
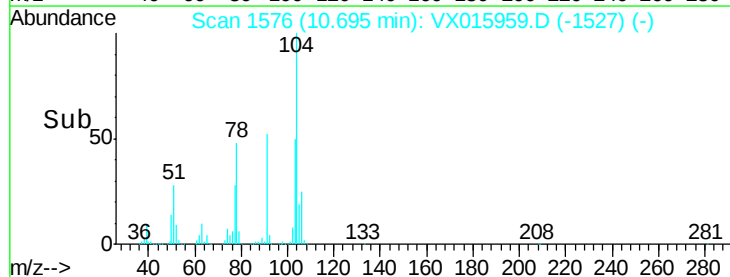
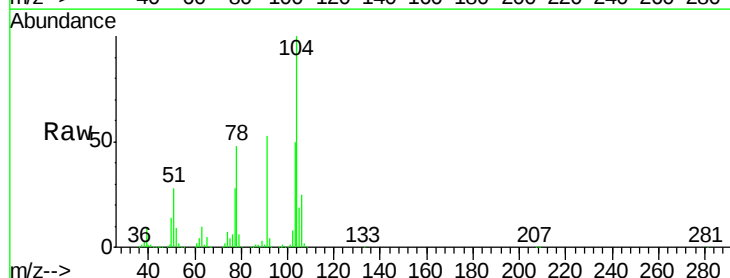
Manual Integrations
APPROVED

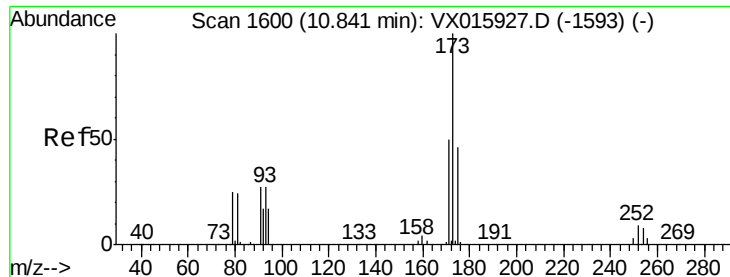
MMDadoda
4/27/2020 12:40:23 PM



#70
Styrene
Concen: 49.391 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	274267		
78	78	51.1	40.5	60.7	
103	103	53.8	42.7	64.1	





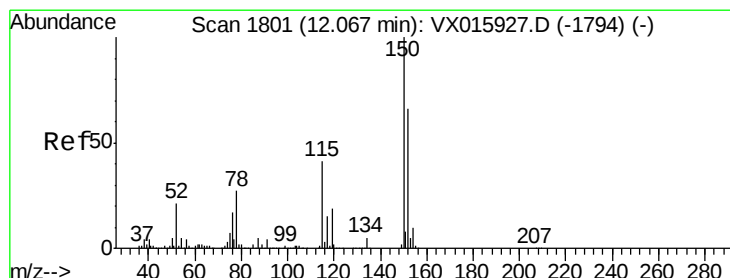
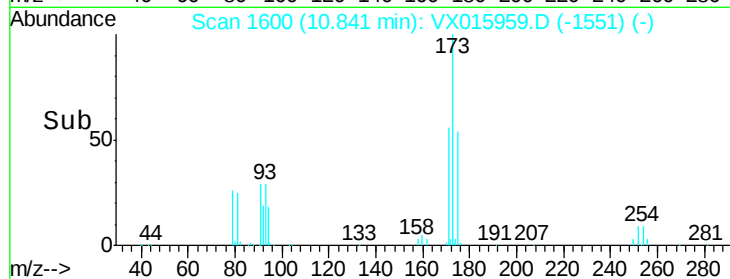
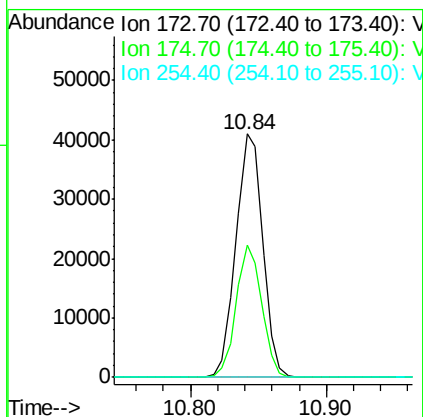
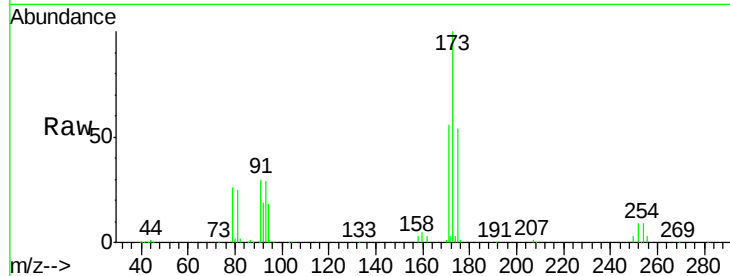
#71
Bromoform
Concen: 43.085 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.5	23.2	69.5
254	0.0	0.1	0.1#

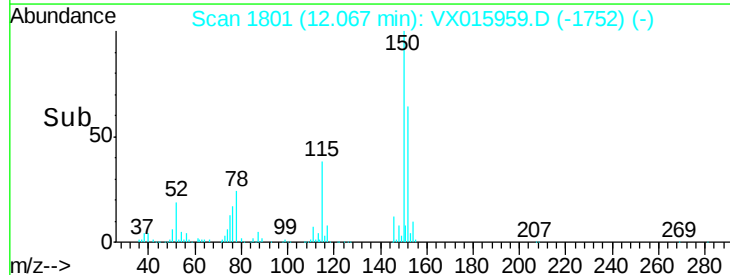
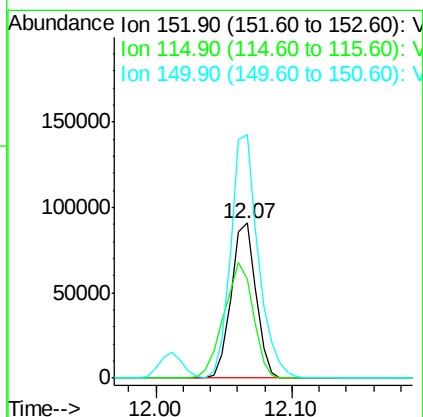
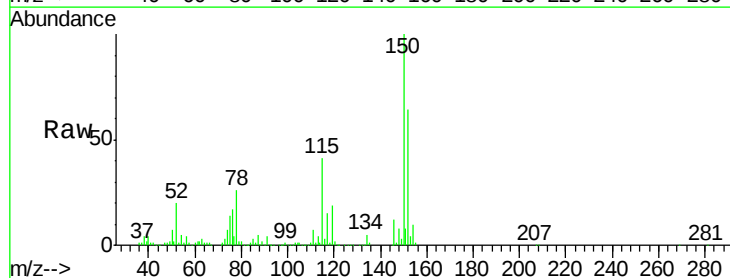
Manual Integrations
APPROVED

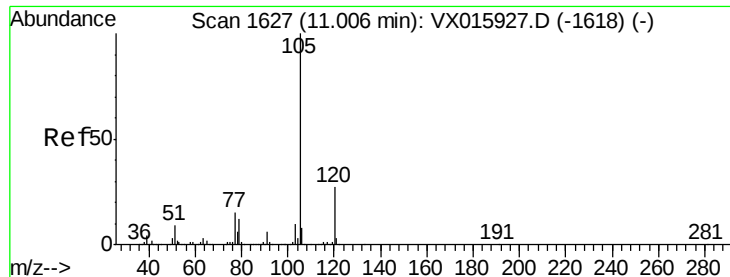
MMDadoda
4/27/2020 12:40:23 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	88.3	44.1	132.4
150	174.1	0.0	343.6





#73

Isopropylbenzene

Concen: 48.644 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 414551

Ion Ratio Lower Upper

105 100

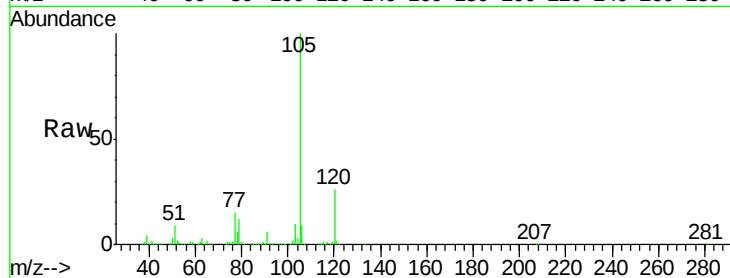
120 25.9 13.1 39.1

Manual Integrations

APPROVED

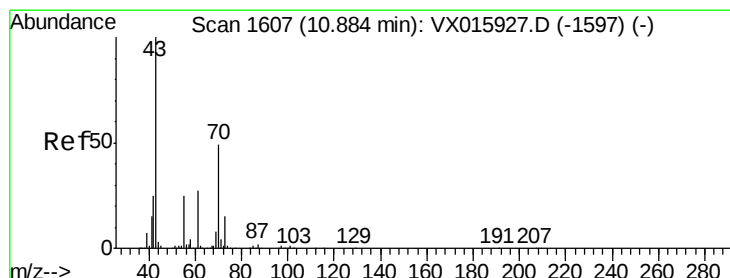
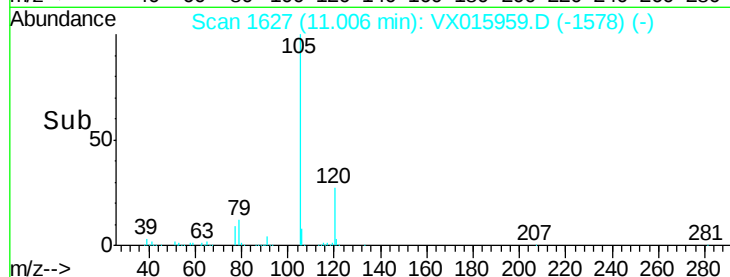
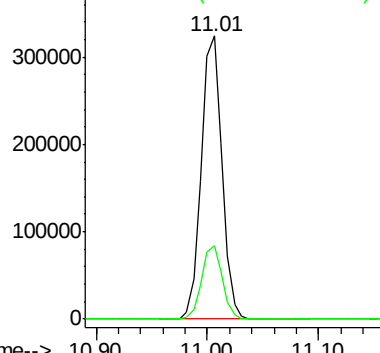
MMDadoda

4/27/2020 12:40:23 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.429 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

Tgt Ion: 43 Resp: 186653

Ion Ratio Lower Upper

43 100

70 47.9 37.8 56.6

55 25.9 20.2 30.2

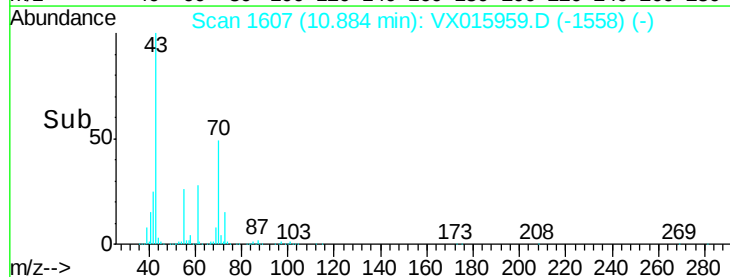
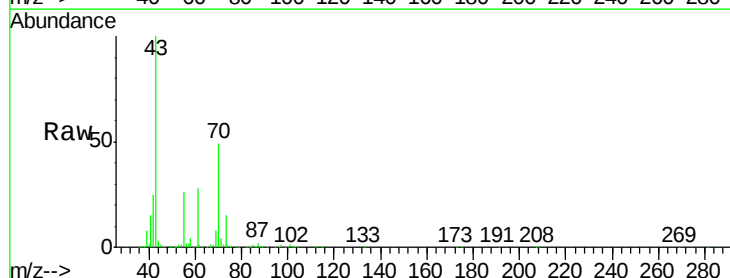
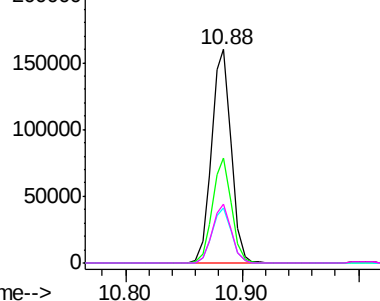
61 27.0 21.6 32.4

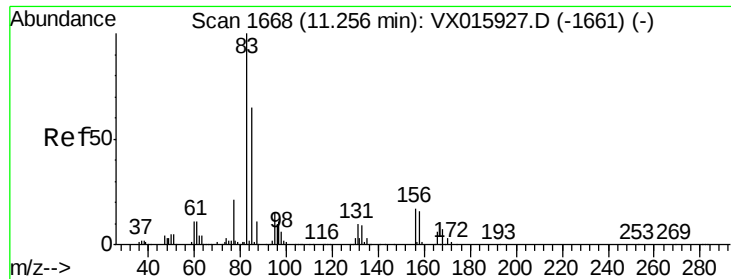
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 54.990 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

Instrument :

MSVOA_X

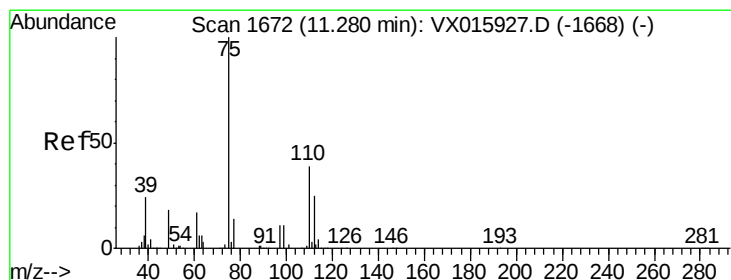
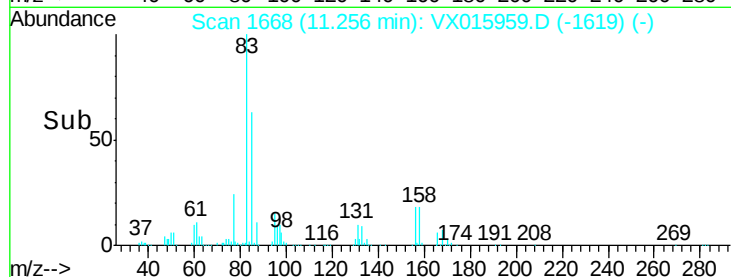
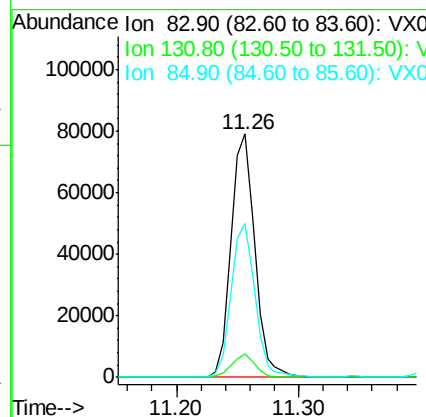
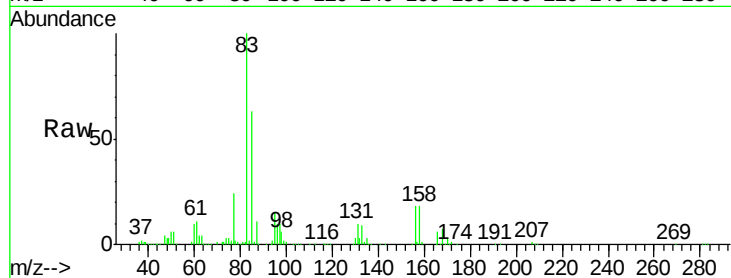
ClientSampled :

VSTDCCC050EC

Tot Ion:	83	Resp:	105905
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.9	14.6
85	63.5	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 50.974 ug/l m

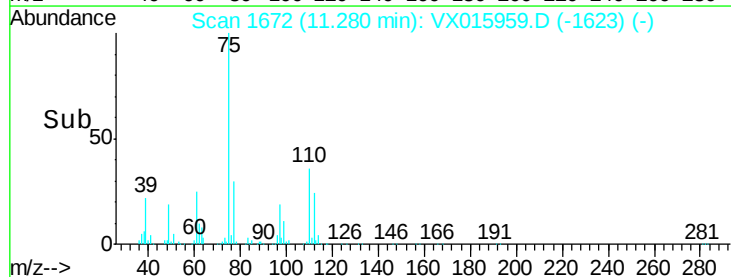
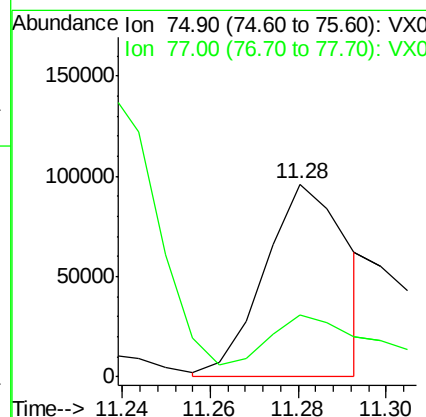
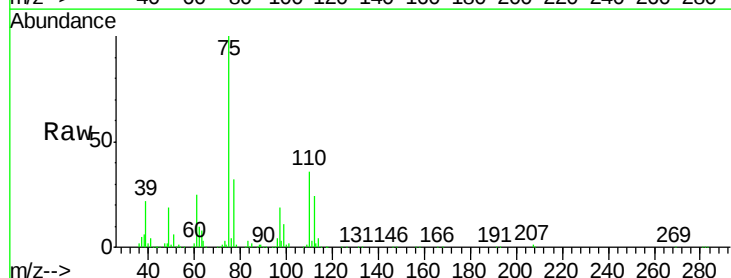
RT: 11.28 min Scan# 1672

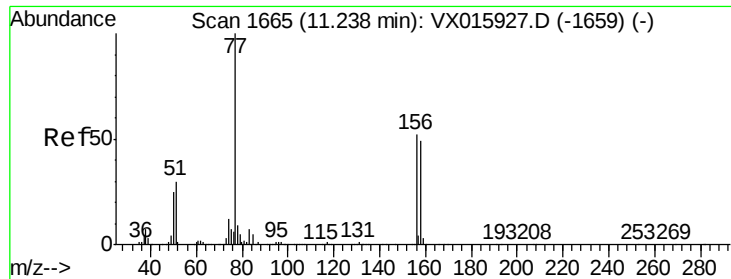
Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

Tgt Ion:	75	Resp:	125367
Ion Ratio	Lower	Upper	
75	100		
77	43.4	22.1	66.5





#77

Bromobenzene

Concen: 50.027 ug/l

RT: 11.24 min Scan# 1666

Delta R.T. 0.01 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

Instrument :

MSVOA_X

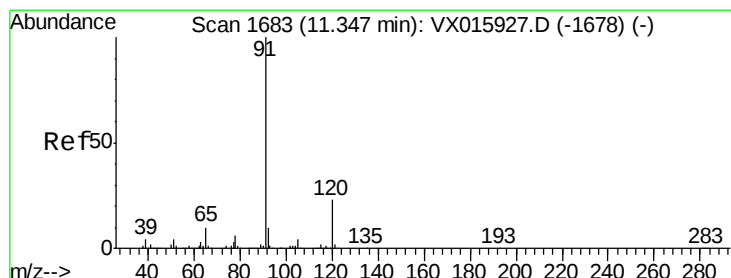
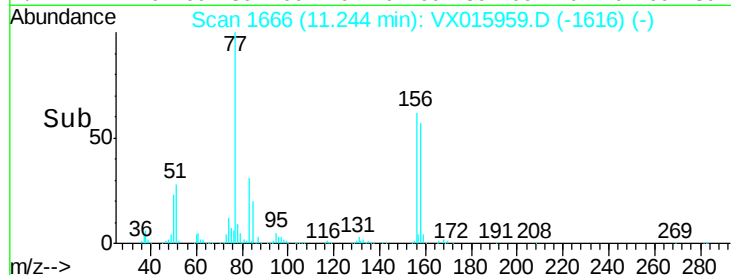
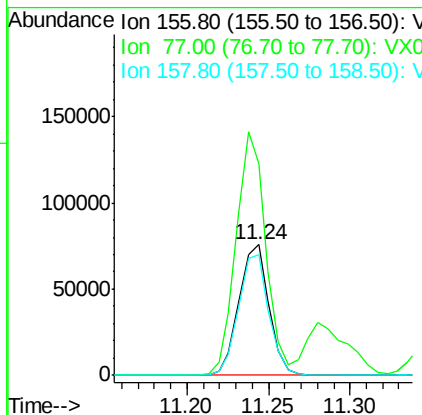
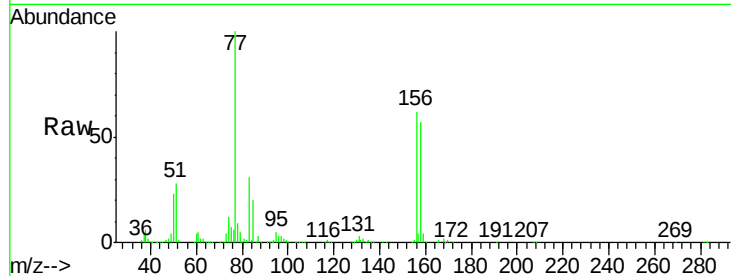
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	96837
Ion Ratio	Lower	Upper	
156	100		
77	184.0	94.0	281.9
158	93.7	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 48.282 ug/l

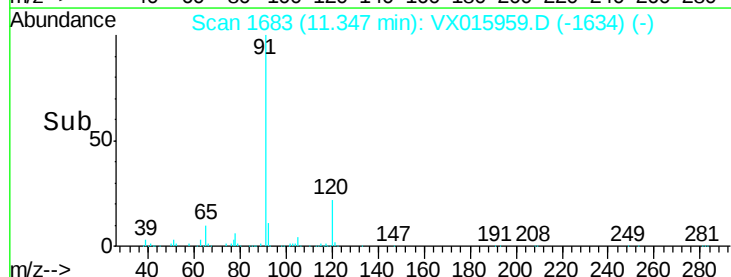
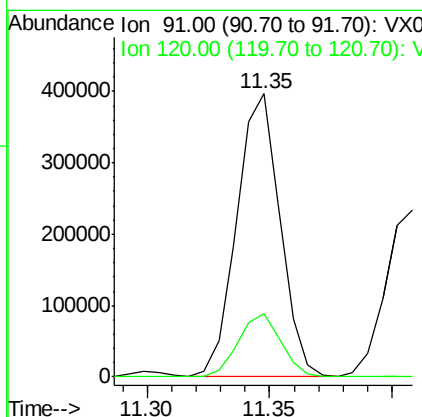
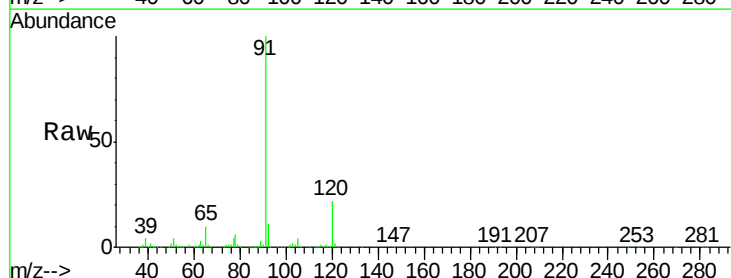
RT: 11.35 min Scan# 1683

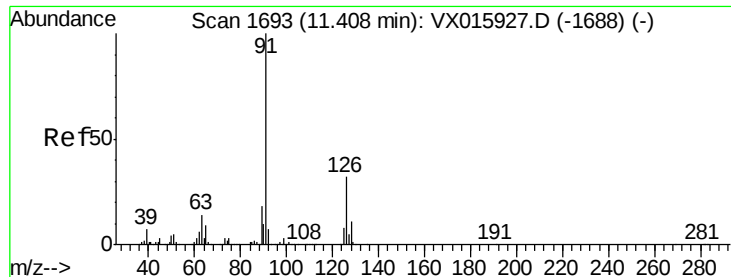
Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

Tgt Ion:	91	Resp:	485806
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.2	33.6





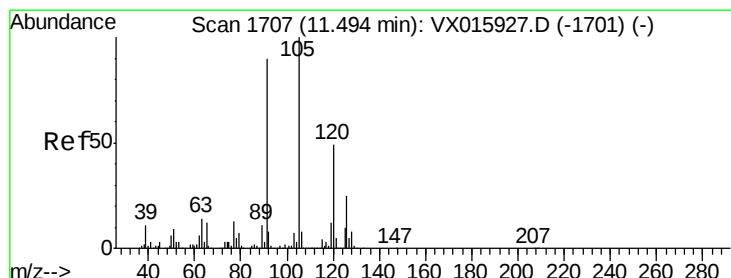
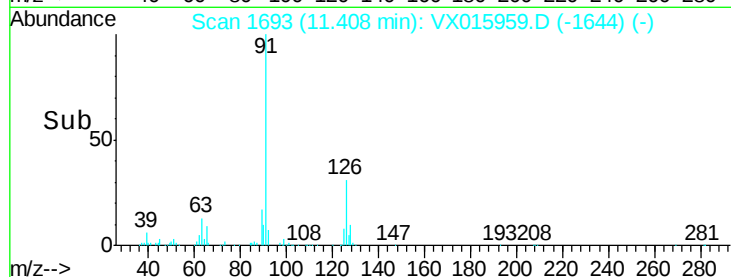
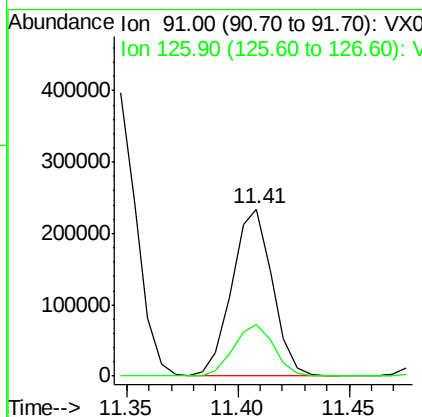
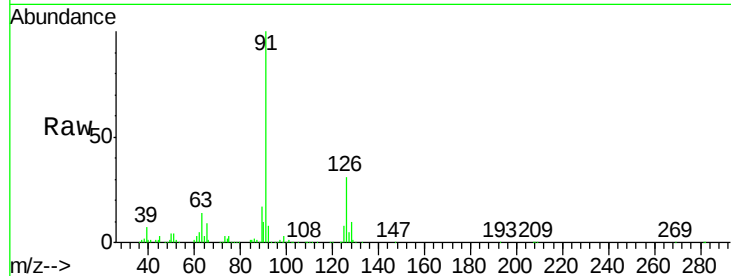
#79
2-Chlorotoluene
Concen: 49.623 ug/l
RT: 11.41 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 294316
Ion Ratio Lower Upper
91 100
126 31.3 15.8 47.3

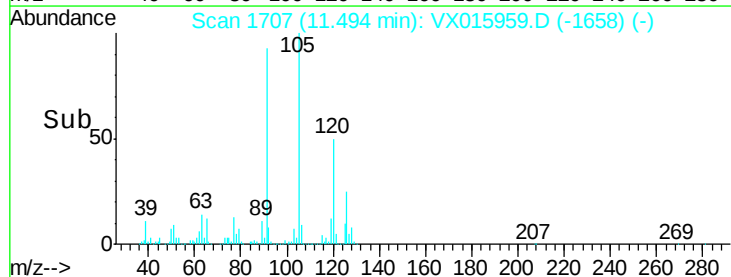
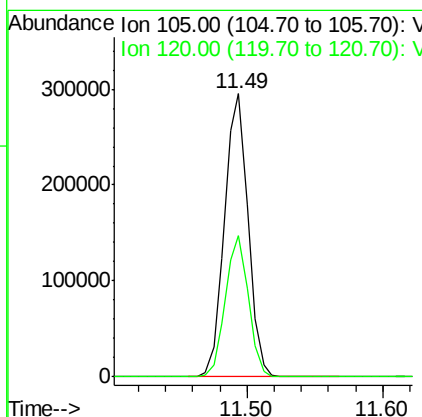
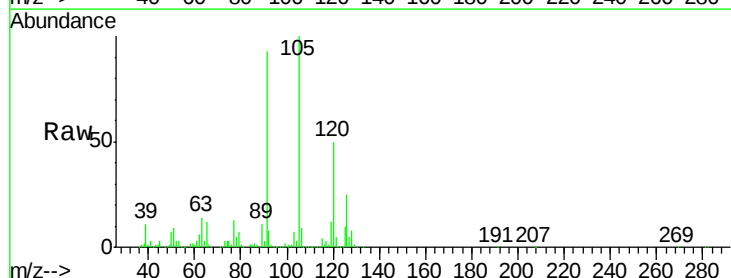
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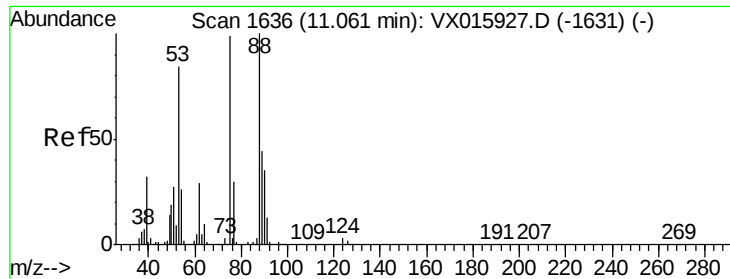
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#80
1,3,5-Trimethylbenzene
Concen: 48.766 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Tgt Ion: 105 Resp: 353290
Ion Ratio Lower Upper
105 100
120 48.9 24.3 72.8





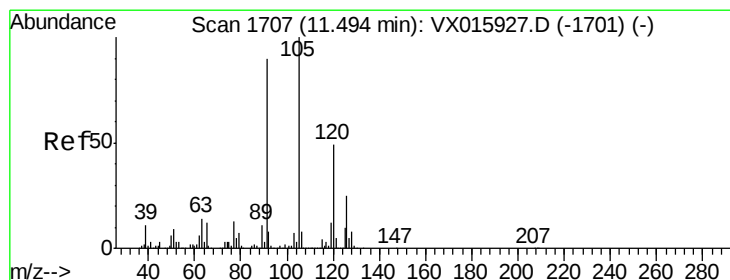
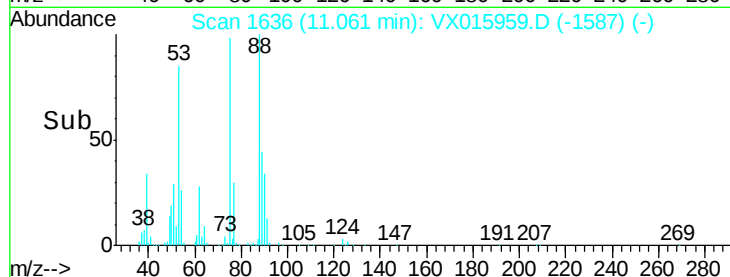
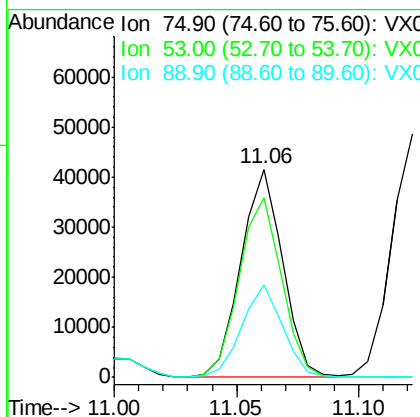
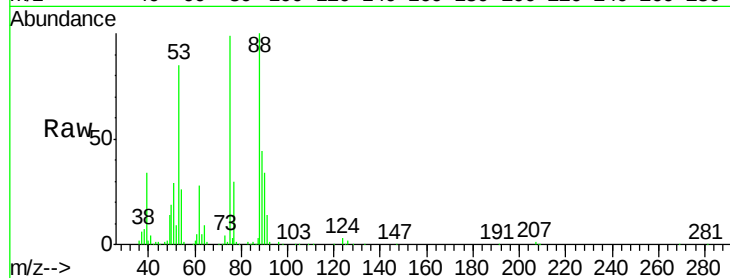
#81
trans-1,4-Dichloro-2-butene
Concen: 44.989 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.0	69.7	104.5
89	44.1	36.3	54.5

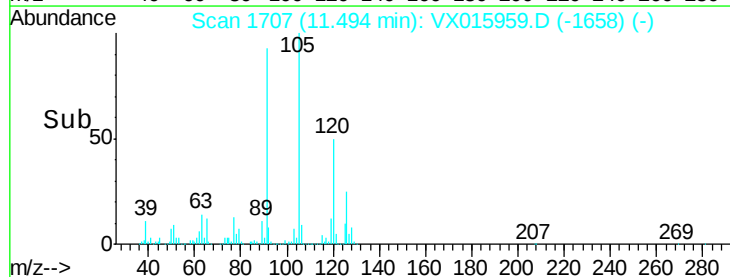
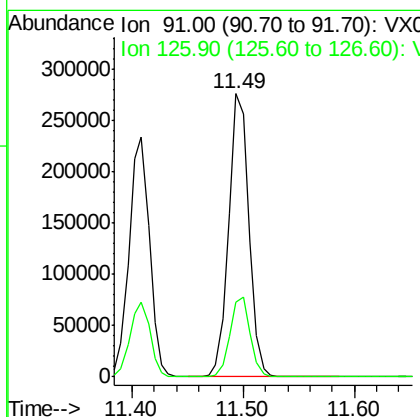
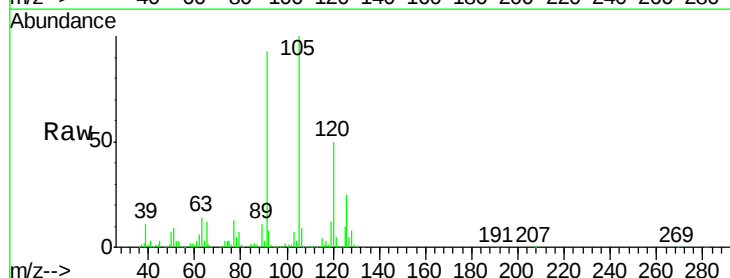
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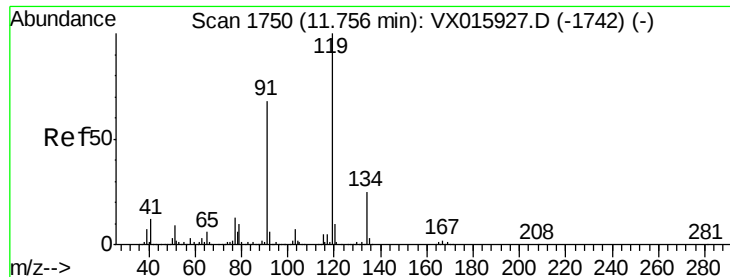
MMDadoda
4/27/2020 12:40:23 PM



#82
4-Chlorotoluene
Concen: 48.748 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.1	14.2	42.8





#83

tert-Butylbenzene

Concen: 49.712 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

Instrument :

MSVOA_X

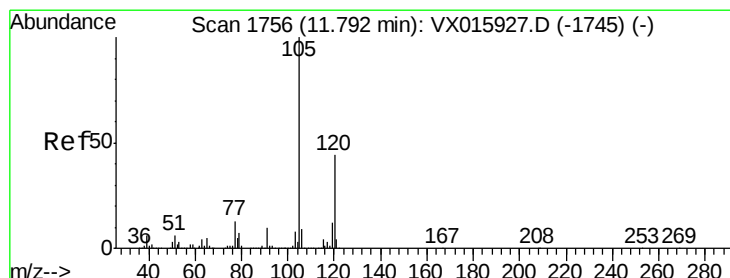
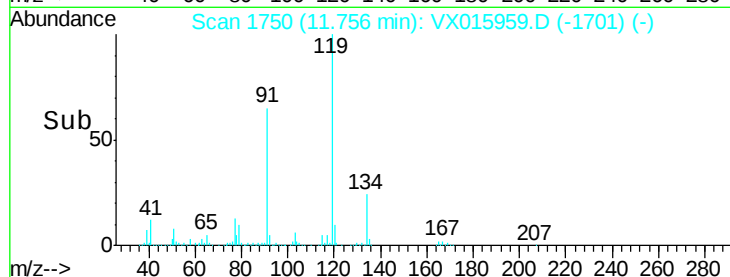
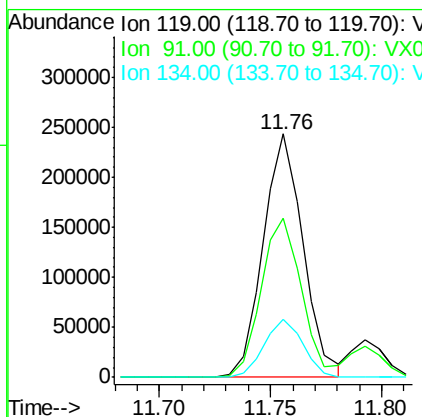
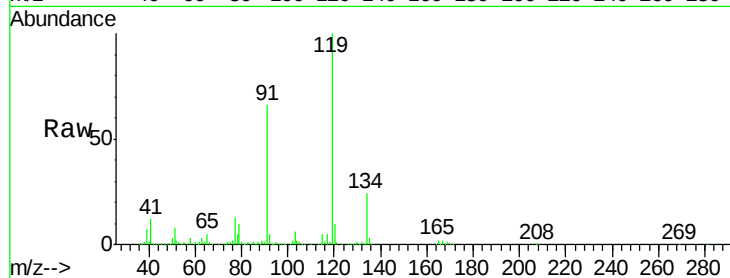
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	302819
Ion Ratio	Lower	Upper	
119	100		
91	66.8	34.3	102.8
134	23.4	12.1	36.3

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#84

1,2,4-Trimethylbenzene

Concen: 49.108 ug/l

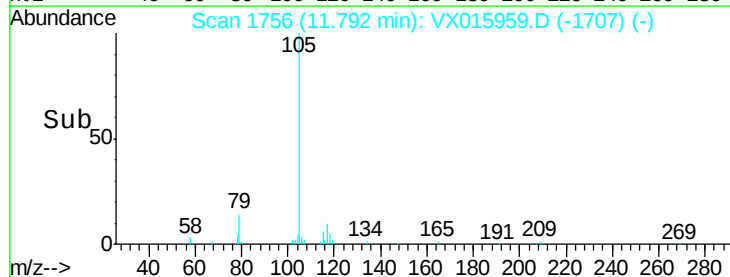
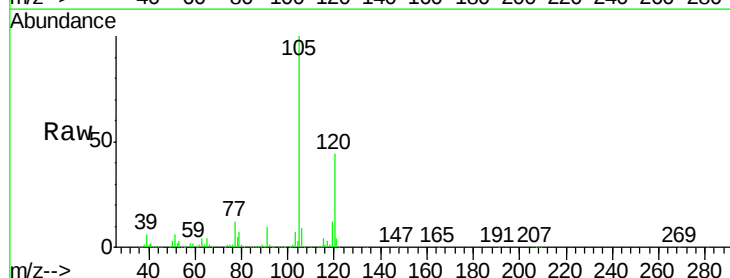
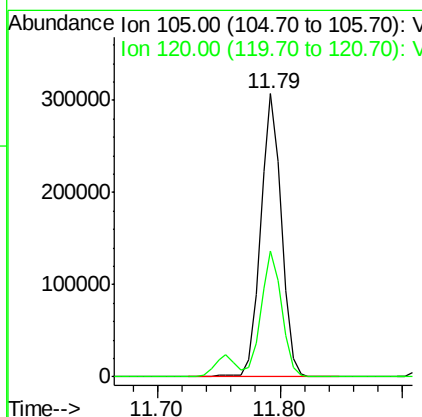
RT: 11.79 min Scan# 1756

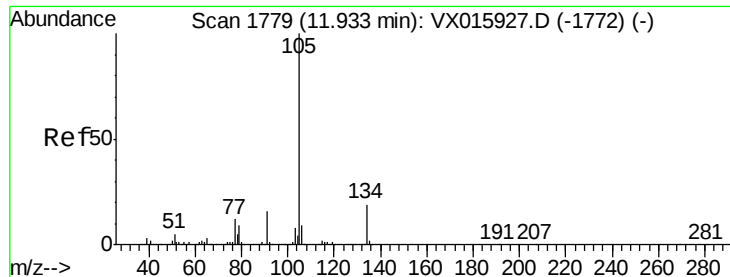
Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

Tgt Ion:	105	Resp:	364795
Ion Ratio	Lower	Upper	
105	100		
120	44.3	22.3	66.8





#85

sec-Butylbenzene

Concen: 48.772 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 406775

Ion Ratio Lower Upper

105 100

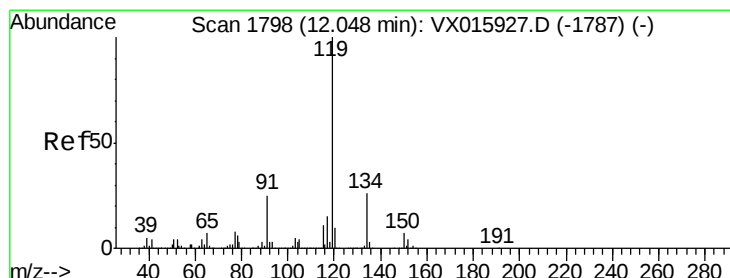
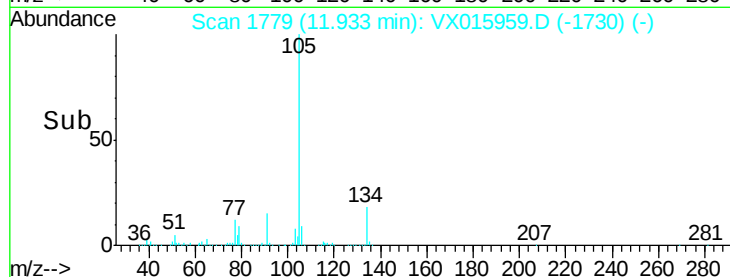
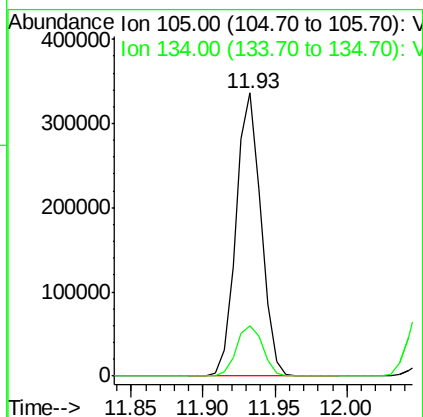
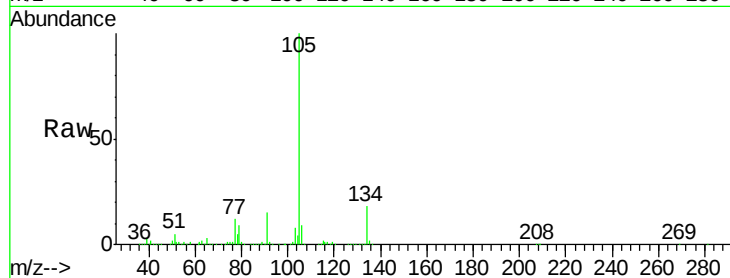
134 18.8 9.3 28.0

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#86

p-Isopropyltoluene

Concen: 48.194 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

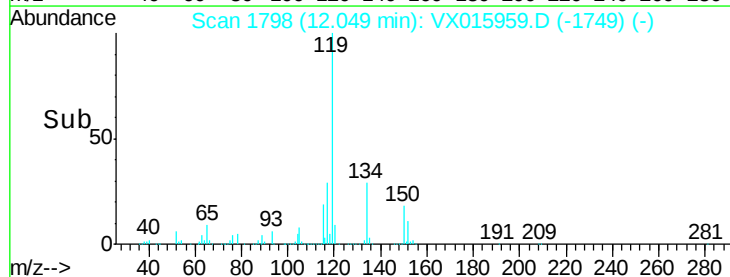
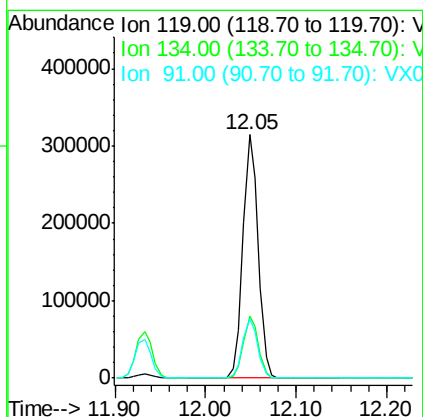
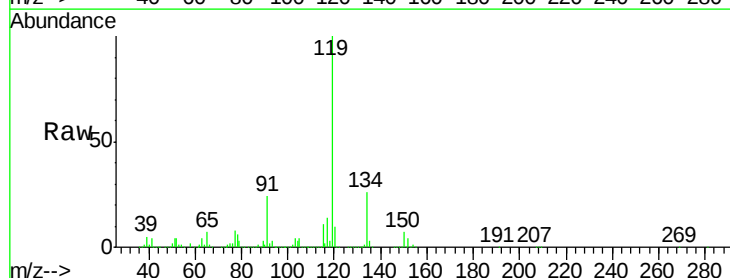
Tgt Ion:119 Resp: 366532

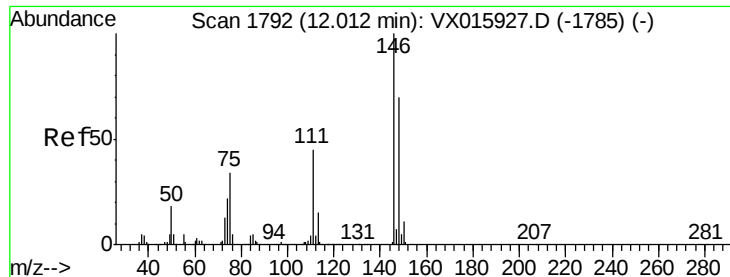
Ion Ratio Lower Upper

119 100

134 25.1 12.6 37.8

91 24.2 12.2 36.6





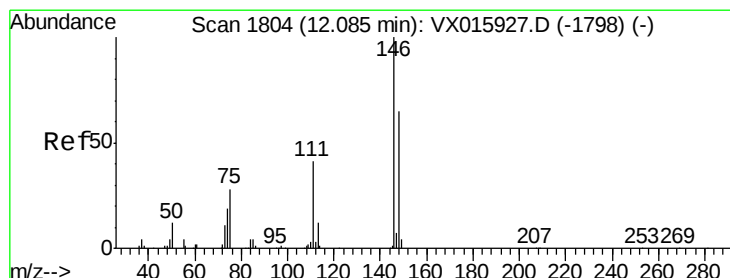
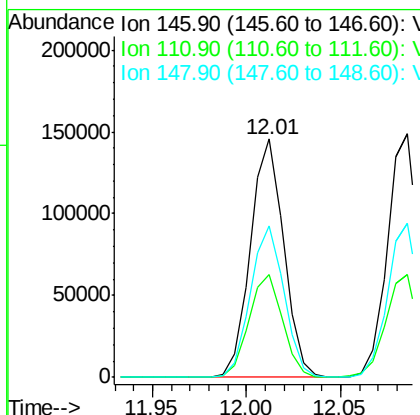
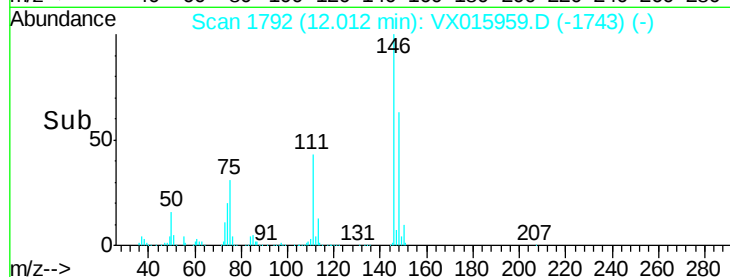
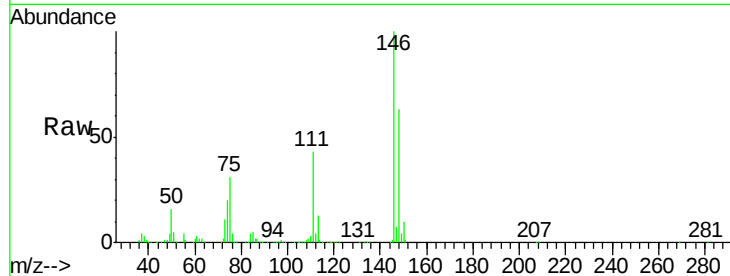
#87
 1,3-Dichlorobenzene
 Concen: 50.020 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX015959.D
 Acq: 25 Apr 2020 02:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.2	66.6
148	64.0	32.8	98.4

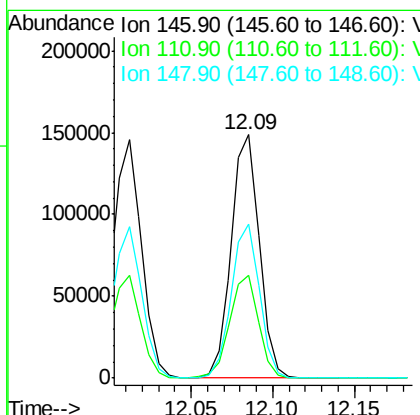
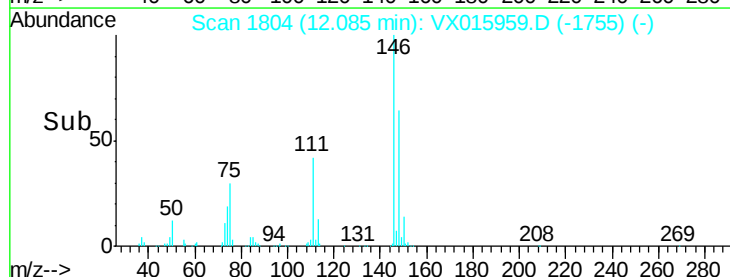
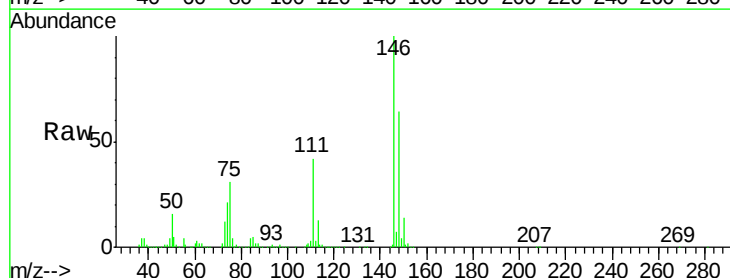
Manual Integrations
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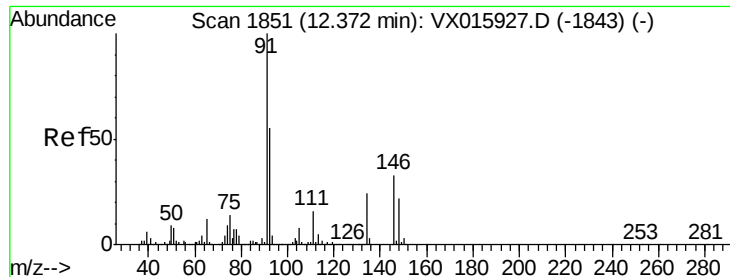
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 4/27/2020 12:40:23 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.418 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VX015959.D
 Acq: 25 Apr 2020 02:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.6	64.6
148	63.5	32.3	96.8





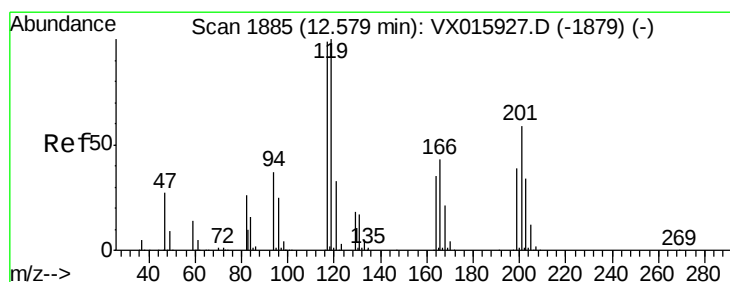
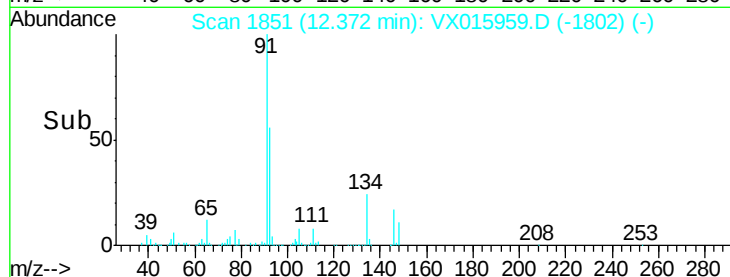
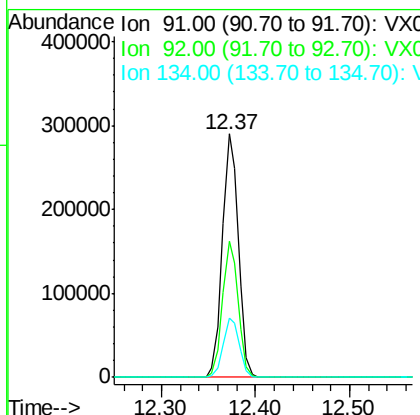
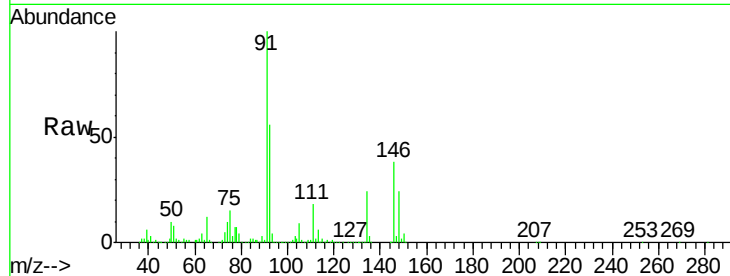
#89
n-Butylbenzene
Concen: 47.679 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.3	81.9
134	24.4	12.2	36.4

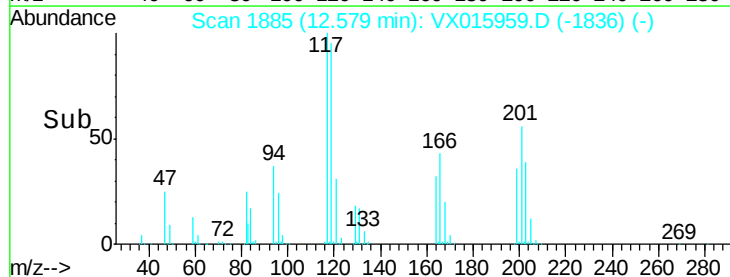
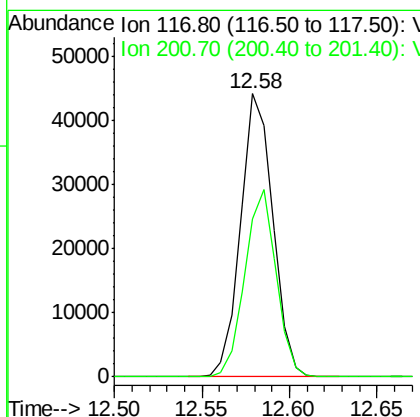
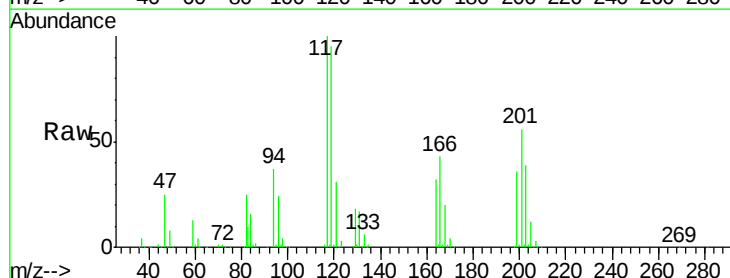
Manual Integrations
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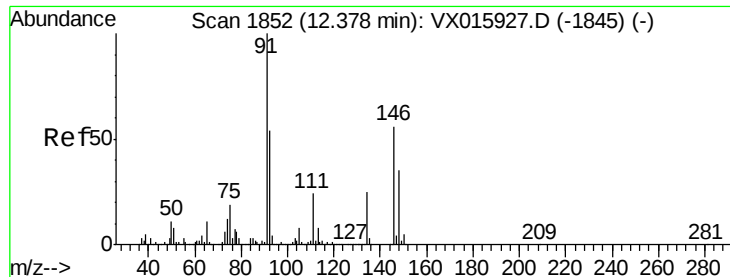
MMDadoda
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#90
Hexachloroethane
Concen: 47.783 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX015959.D
Acq: 25 Apr 2020 02:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.1	32.1	96.3





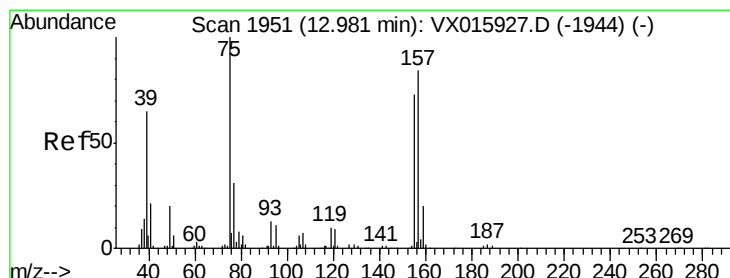
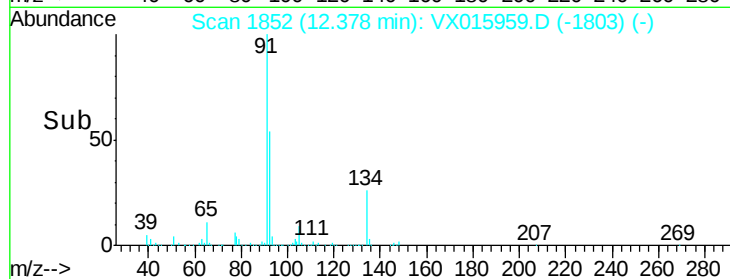
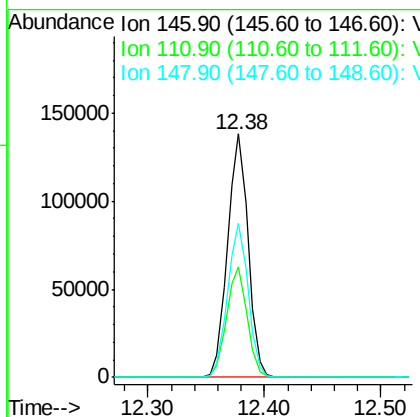
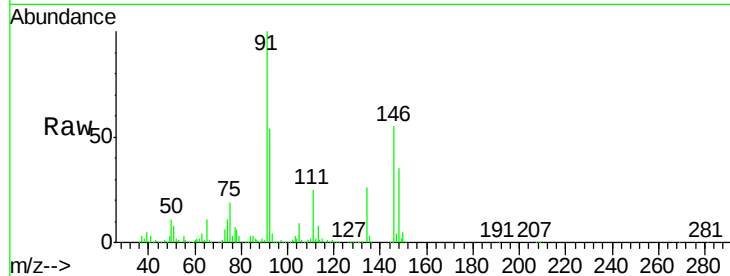
#91
 1,2-Dichlorobenzene
 Concen: 49.033 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX015959.D
 Acq: 25 Apr 2020 02:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	22.3	66.8
148	63.7	31.4	94.2

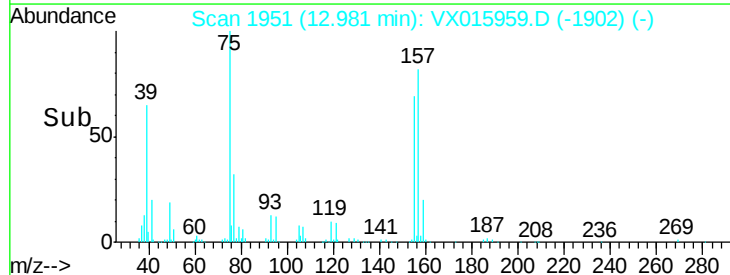
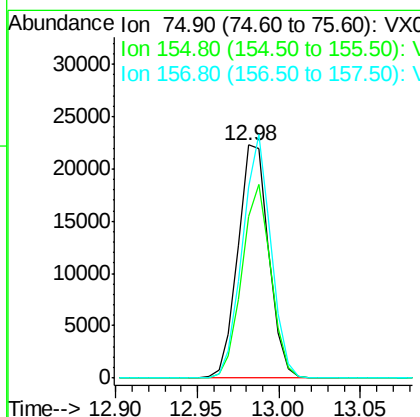
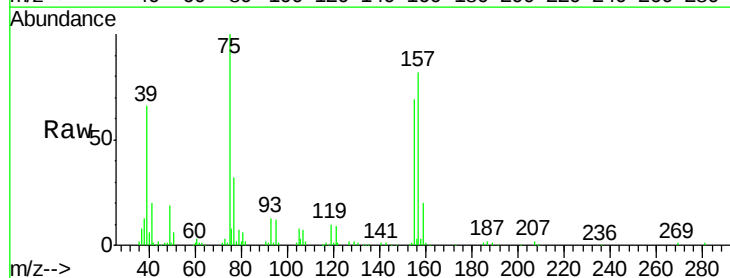
Manual Integrations
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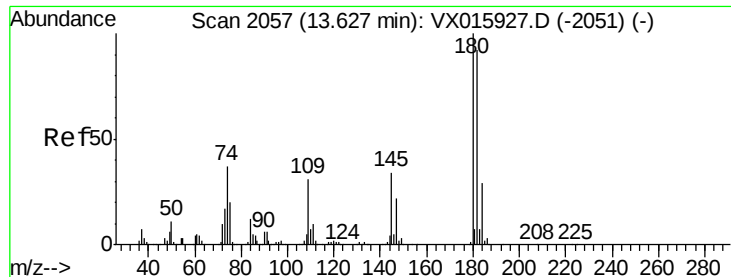
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.966 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX015959.D
 Acq: 25 Apr 2020 02:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.9	37.9	113.6
157	96.4	47.9	143.8





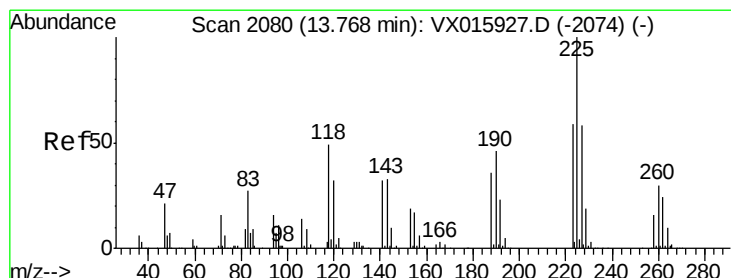
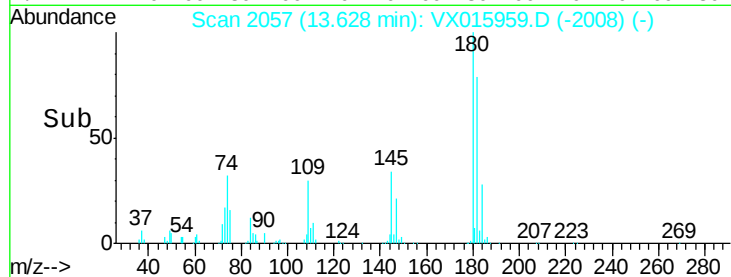
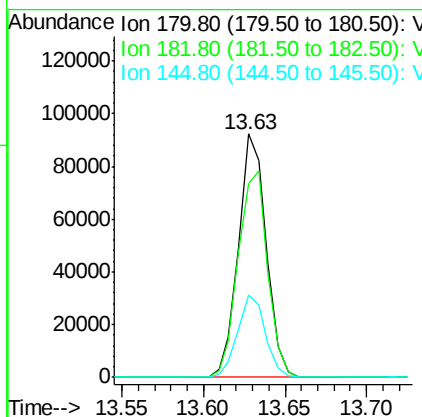
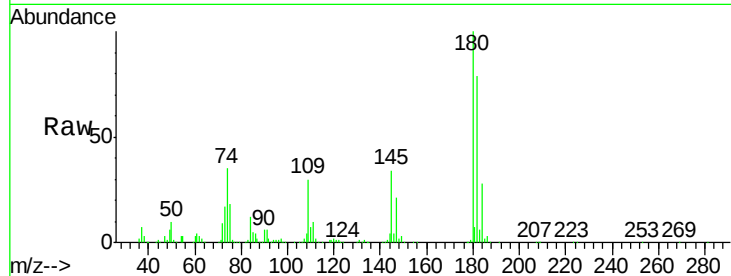
#93
 1,2,4-Trichlorobenzene
 Concen: 49.258 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX015959.D
 Acq: 25 Apr 2020 02:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	109671		
182	89.8	47.6	142.9	
145	33.6	17.3	52.0	

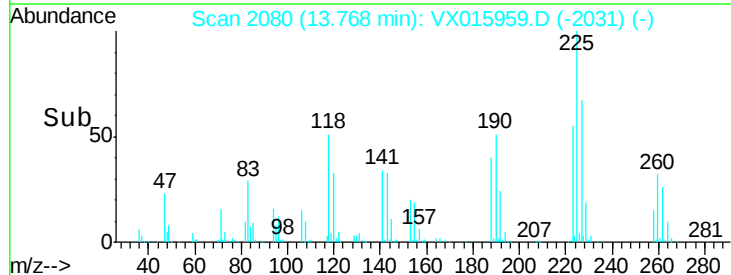
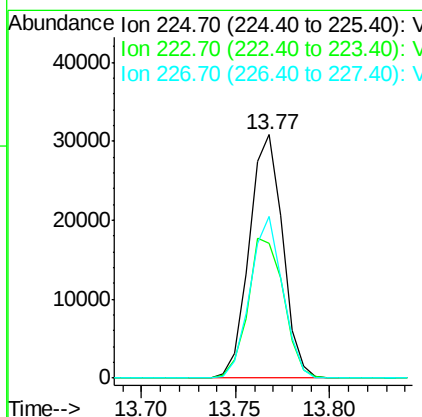
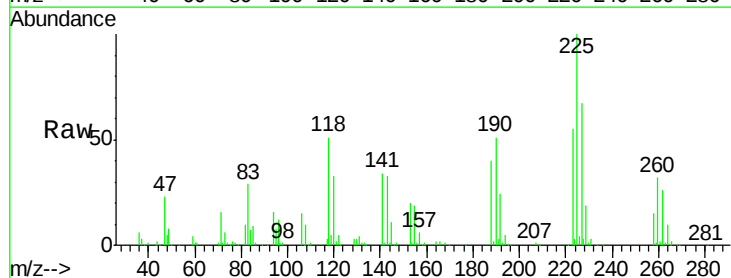
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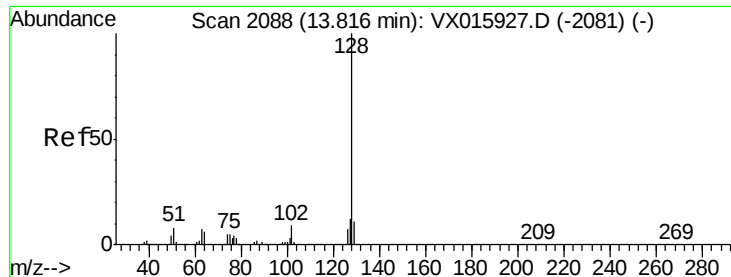
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#94
 Hexachlorobutadiene
 Concen: 48.127 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX015959.D
 Acq: 25 Apr 2020 02:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	37984		
223	61.2	30.6	91.6	
227	64.7	32.0	96.2	





#95

Naphthalene

Concen: 50.913 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

Instrument :

MSVOA_X

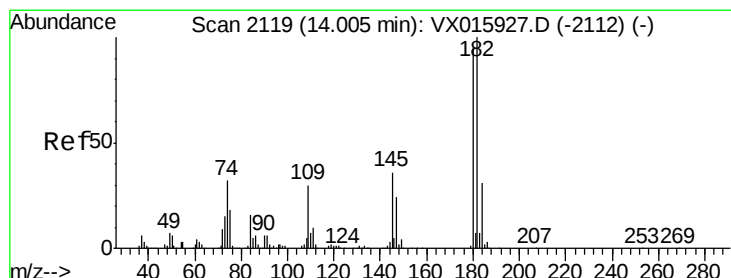
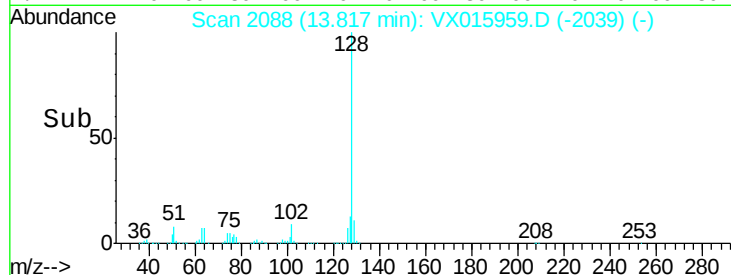
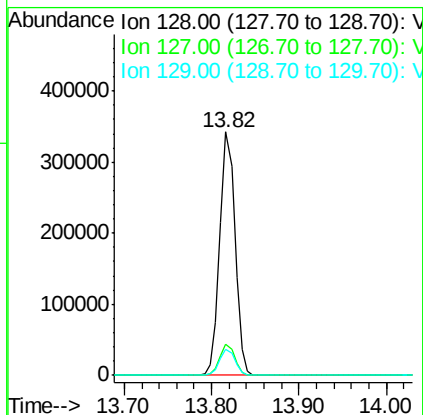
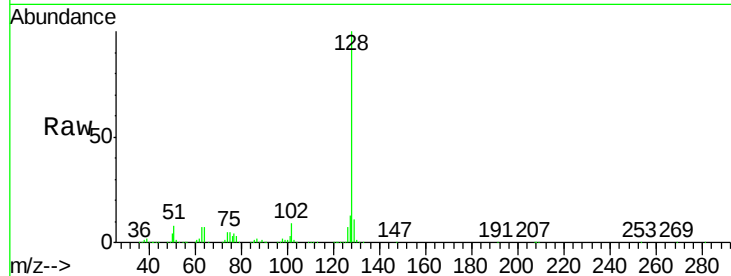
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	412257
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.1	15.1
129	10.8	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 50.579 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VX015959.D

Acq: 25 Apr 2020 02:09

Tgt Ion:	180	Resp:	106545
Ion Ratio	Lower	Upper	
180	100		
182	93.8	50.1	150.3
145	36.8	18.9	56.9

