

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042420\
 Data File : VX015929.D
 Acq On : 24 Apr 2020 12:58
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 4/27/2020 12:39:57 PM

Quant Time: Apr 24 13:20:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 24 12:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	133613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	253170	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	240025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	112575	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	300396	161.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	322.48%	
35) Dibromofluoromethane	5.47	113	202609	143.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	287.66%	
50) Toluene-d8	8.70	98	918583	161.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	322.66%	
62) 4-Bromofluorobenzene	11.12	95	386746	160.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	320.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	239474	170.578	ug/l	99
3) Chloromethane	1.31	50	245926	170.156	ug/l	98
4) Vinyl Chloride	1.39	62	307911	164.734	ug/l	100
5) Bromomethane	1.62	94	78778	94.283	ug/l	100
6) Chloroethane	1.70	64	176682	153.840	ug/l	99
7) Trichlorofluoromethane	1.90	101	344009	153.608	ug/l	100
8) Diethyl Ether	2.17	74	161740	150.304	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	227489	161.524	ug/l	100
10) Methyl Iodide	2.49	142	268345	199.517	ug/l	100
11) Tert butyl alcohol	3.04	59	321550	833.725	ug/l	99
12) 1,1-Dichloroethene	2.35	96	238273	161.680	ug/l	94
13) Acrolein	2.28	56	180254	707.135	ug/l	100
14) Allyl chloride	2.70	41	409975	156.269	ug/l	99
15) Acrylonitrile	3.12	53	707783	831.508	ug/l	100
16) Acetone	2.43	43	546586	791.034	ug/l	100
17) Carbon Disulfide	2.54	76	620086	131.362	ug/l	99
18) Methyl Acetate	2.75	43	339500	164.025	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	854106	162.539	ug/l	99
20) Methylene Chloride	2.84	84	272650	159.449	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	266665	161.979	ug/l	98
22) Diisopropyl ether	3.83	45	818657	158.634	ug/l	88
23) Vinyl Acetate	3.79	43	3347929	799.658	ug/l	100
24) 1,1-Dichloroethane	3.67	63	473605	161.288	ug/l	99
25) 2-Butanone	4.64	43	919687	831.003	ug/l	99
26) 2,2-Dichloropropane	4.56	77	409021	156.082	ug/l	100
27) cis-1,2-Dichloroethene	4.57	96	298374	159.282	ug/l	100
28) Bromochloromethane	4.99	49	211378	161.402	ug/l	100
29) Tetrahydrofuran	5.10	42	595139	809.177	ug/l	100
30) Chloroform	5.18	83	468226	161.311	ug/l	99
31) Cyclohexane	5.55	56	431123	161.486	ug/l	99
32) 1,1,1-Trichloroethane	5.47	97	415634	157.887	ug/l	100
36) 1,1-Dichloropropene	5.77	75	366719	153.108	ug/l	100
37) Ethyl Acetate	4.80	43	367528	153.286	ug/l	99
38) Carbon Tetrachloride	5.76	117	344038	159.327	ug/l	99

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Manual Integrations
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Quant Time: Apr 24 13:20:13 2020
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 Quant Title : SW846 8260
 QLast Update : Fri Apr 24 12:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	451252	156.488	ug/l	98
40) Benzene	6.12	78	1091546	157.113	ug/l	97
41) Methacrylonitrile	5.01	41	203198	147.745	ug/l	99
42) 1,2-Dichloroethane	6.17	62	379124	155.663	ug/l	99
43) Isopropyl Acetate	6.42	43	626446	161.768	ug/l	100
44) Trichloroethene	7.19	130	330009	152.850	ug/l	99
45) 1,2-Dichloropropane	7.49	63	280569	158.131	ug/l	99
46) Dibromomethane	7.64	93	185235	155.857	ug/l	98
47) Bromodichloromethane	7.88	83	390710	163.998	ug/l	99
48) Methyl methacrylate	7.75	41	309142	162.017	ug/l	99
49) 1,4-Dioxane	7.72	88	142630	3439.361	ug/l	100
51) 4-Methyl-2-Pentanone	8.63	43	1891874	845.353	ug/l	99
52) Toluene	8.77	92	692053	157.193	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	470147	163.189	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	491720	163.279	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	275659	156.358	ug/l	99
56) Ethyl methacrylate	9.16	69	477122	173.634	ug/l	100
57) 1,3-Dichloropropane	9.35	76	478171	159.789	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	1158771	848.171	ug/l	100
59) 2-Hexanone	9.48	43	1460185	868.449	ug/l	99
60) Dibromochloromethane	9.57	129	297364	176.355	ug/l	100
61) 1,2-Dibromoethane	9.66	107	291437	161.339	ug/l	99
64) Tetrachloroethene	9.32	164	355142	149.000	ug/l	98
65) Chlorobenzene	10.12	112	735338	157.438	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	266997	163.049	ug/l	99
67) Ethyl Benzene	10.24	91	1342132	155.271	ug/l	99
68) m/p-Xylenes	10.35	106	999188	317.646	ug/l	99
69) o-Xylene	10.68	106	488725	159.469	ug/l	100
70) Styrene	10.70	104	887594	171.773	ug/l	100
71) Bromoform	10.84	173	200842	192.659	ug/l	98
73) Isopropylbenzene	11.01	105	1293026	156.965	ug/l	100
74) N-amyl acetate	10.88	43	586720	167.863	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	316975	176.726	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	373803m	126.989	ug/l	
77) Bromobenzene	11.24	156	302869	163.828	ug/l	99
78) n-propylbenzene	11.35	91	1546394	159.646	ug/l	99
79) 2-Chlorotoluene	11.41	91	941333	166.710	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	1143852	165.758	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	177048	184.461	ug/l	99
82) 4-Chlorotoluene	11.50	91	1114974	165.306	ug/l	99
83) tert-Butylbenzene	11.76	119	937284	160.596	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	1170031	165.195	ug/l	99
85) sec-Butylbenzene	11.93	105	1310329	165.348	ug/l	99
86) p-Isopropyltoluene	12.05	119	1206139	166.999	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	558501	164.193	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	573982	166.273	ug/l	99
89) n-Butylbenzene	12.37	91	1147452	169.549	ug/l	99
90) Hexachloroethane	12.58	117	208823	194.662	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	530805	159.934	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	99033	171.166	ug/l	99

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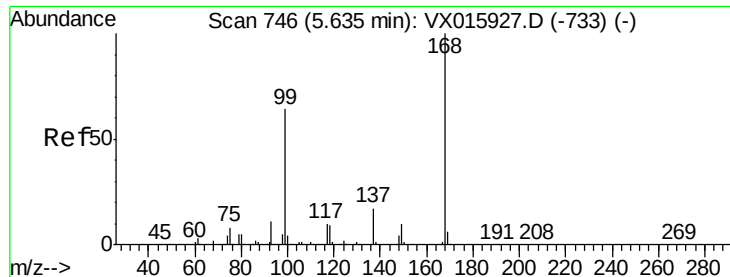
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	361211	171.550	ug/l	99
94) Hexachlorobutadiene	13.77	225	128689	171.415	ug/l	99
95) Naphthalene	13.82	128	1319989	173.801	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	334781	168.383	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 133613

Ion Ratio Lower Upper

168 100

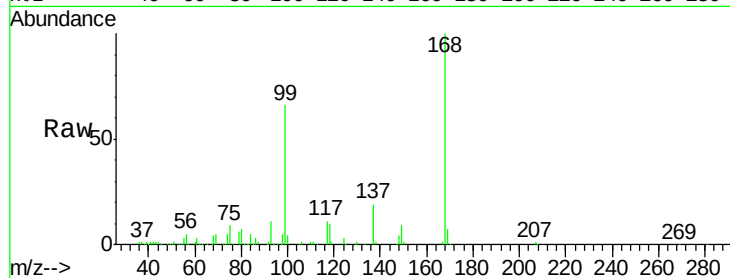
99 65.6 51.2 76.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

100000

80000

60000

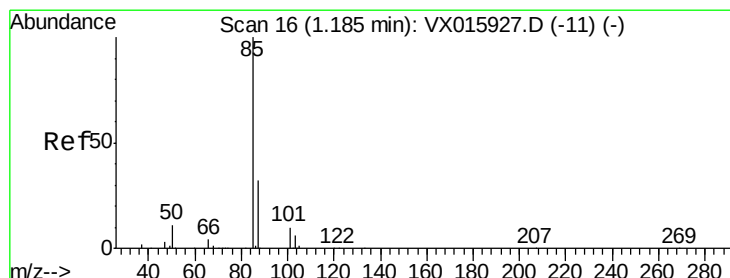
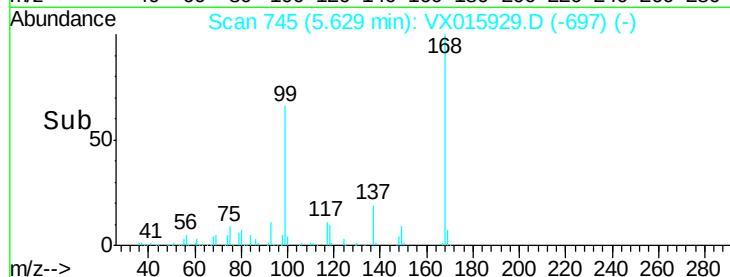
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 170.578 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX015929.D

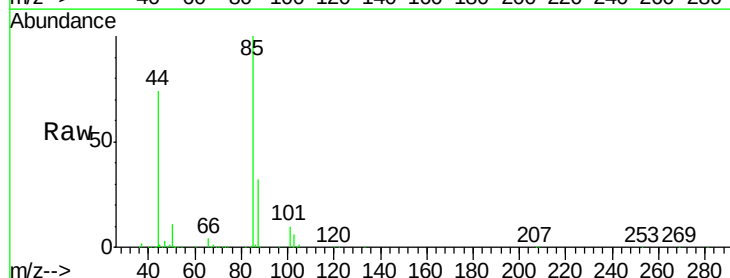
Acq: 24 Apr 2020 12:58

Tgt Ion: 85 Resp: 239474

Ion Ratio Lower Upper

85 100

87 32.4 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

250000

200000

150000

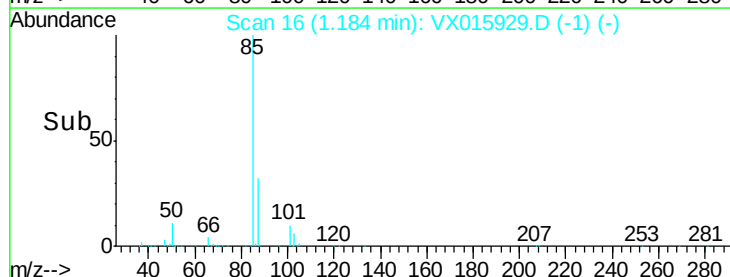
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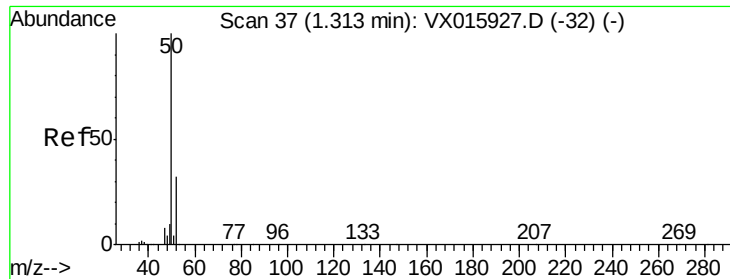
50000

0

1.10 1.20 1.30

Time-->





#3

Chloromethane

Concen: 170.156 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 50 Resp: 245926

Ion Ratio Lower Upper

50 100

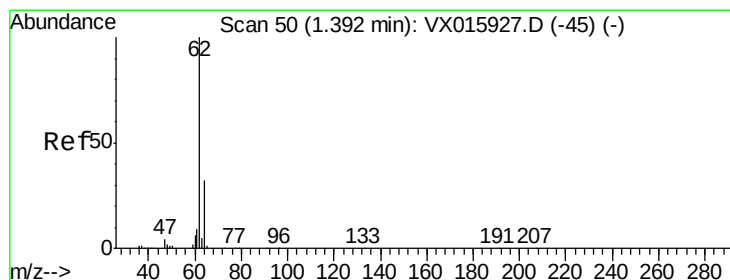
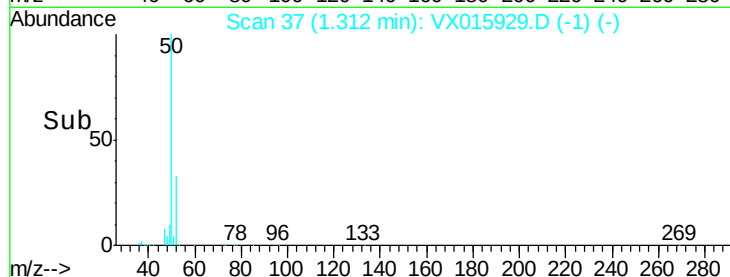
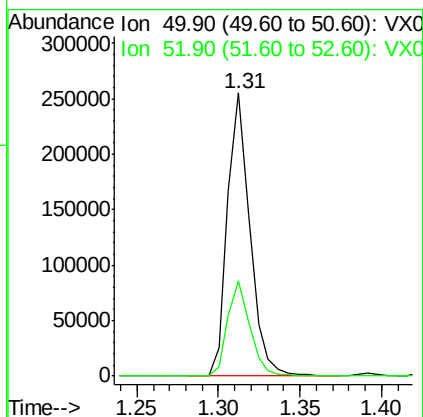
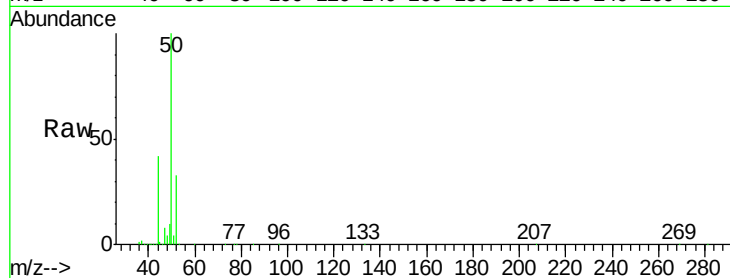
52 33.5 25.9 38.9

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#4

Vinyl Chloride

Concen: 164.734 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX015929.D

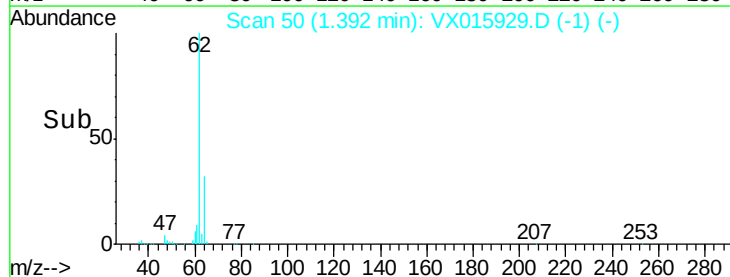
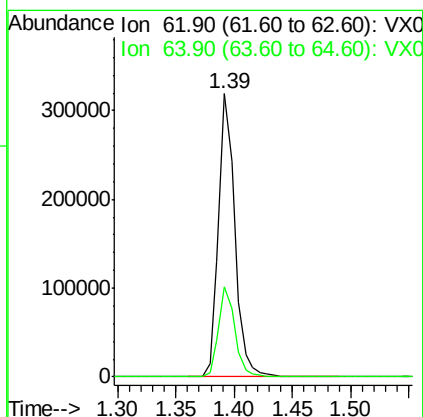
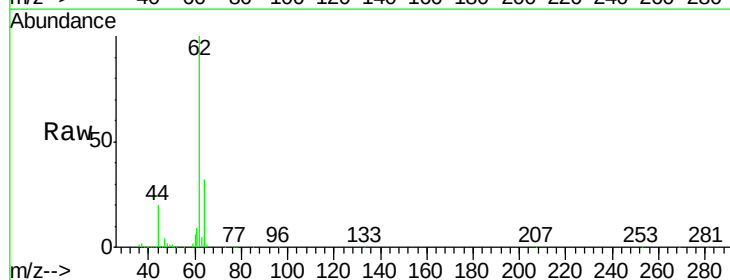
Acq: 24 Apr 2020 12:58

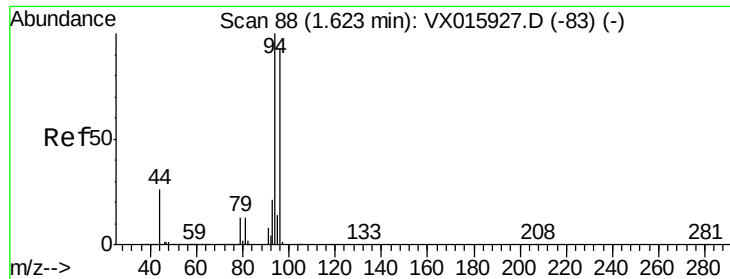
Tgt Ion: 62 Resp: 307911

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 94.283 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 78778

Ion Ratio Lower Upper

94 100

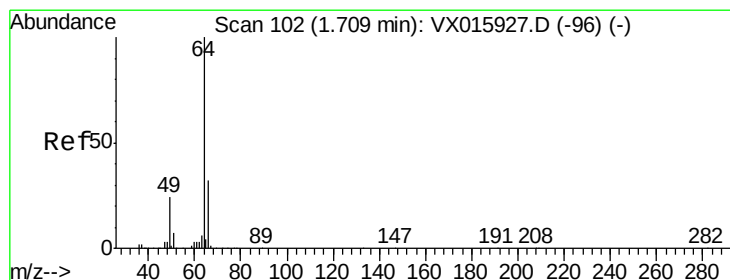
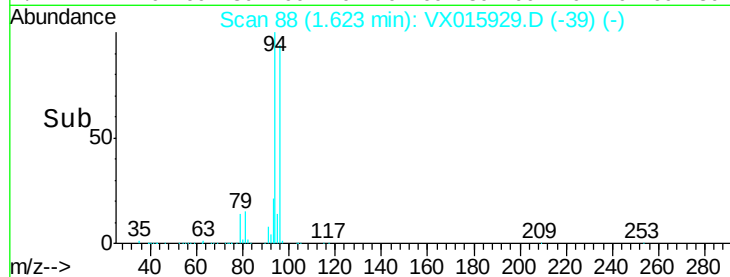
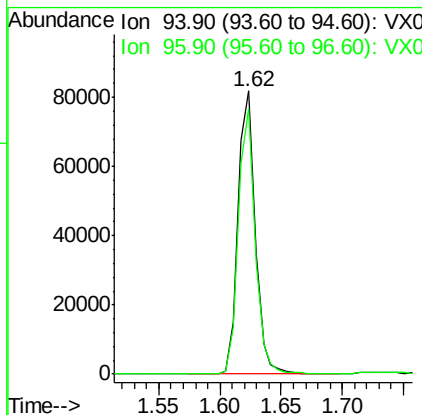
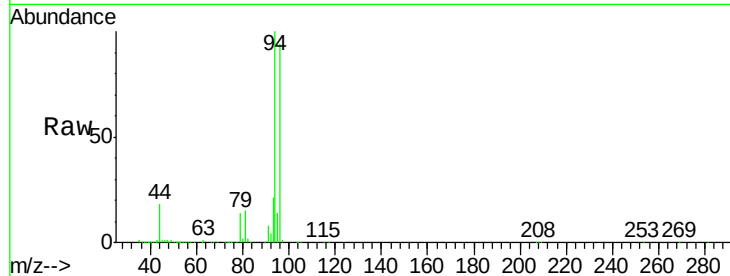
96 93.6 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 153.840 ug/l

RT: 1.70 min Scan# 100

Delta R.T. -0.01 min

Lab File: VX015929.D

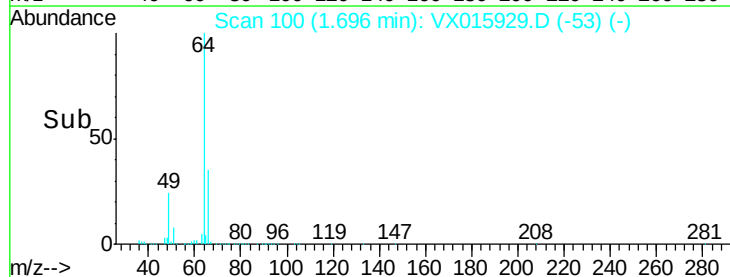
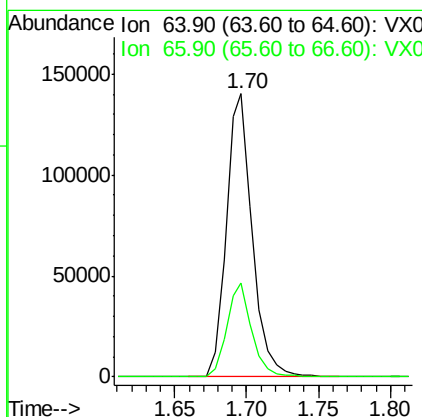
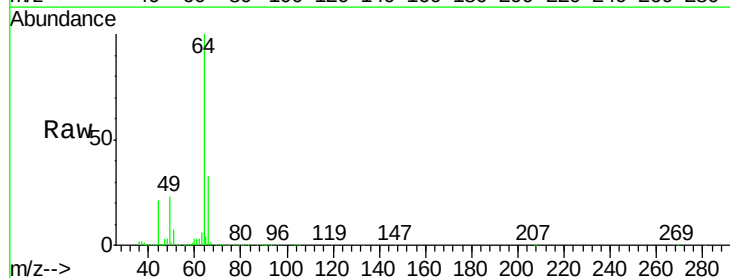
Acq: 24 Apr 2020 12:58

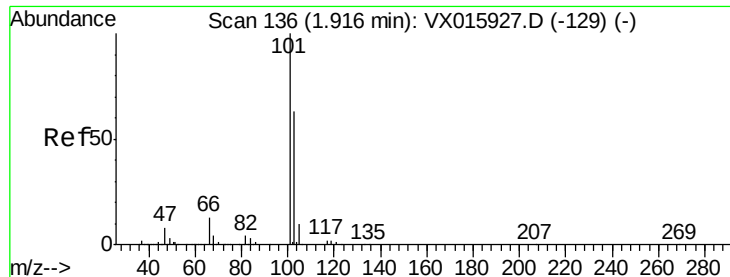
Tgt Ion: 64 Resp: 176682

Ion Ratio Lower Upper

64 100

66 33.1 25.8 38.8





#7

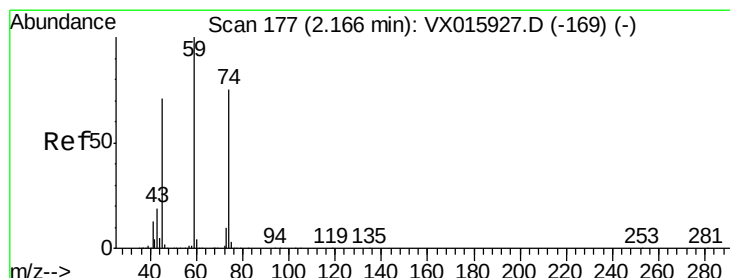
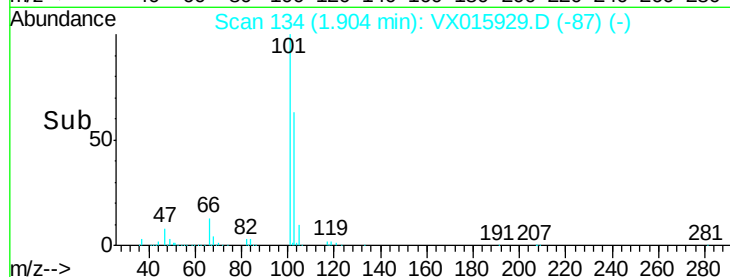
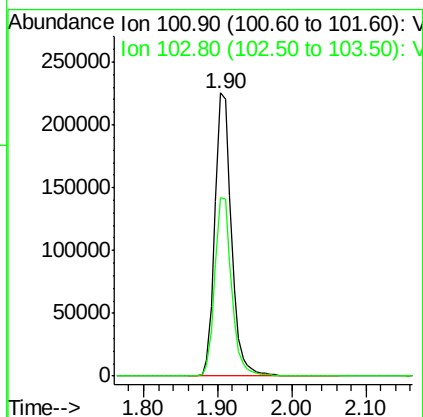
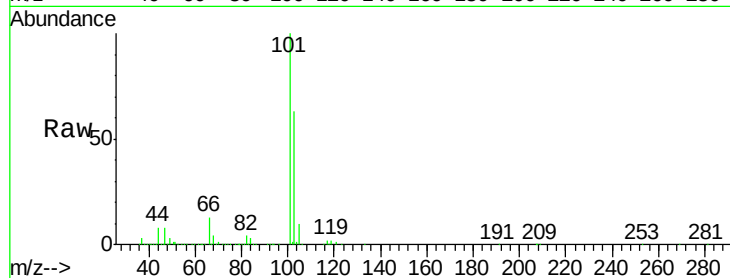
Trichlorofluoromethane
Concen: 153.608 ug/l
RT: 1.90 min Scan# 134
Delta R.T. -0.01 min
Lab File: VX015929.D
Acq: 24 Apr 2020 12:58

Instrument :
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ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		344009		
103	63.1	50.8	76.2		

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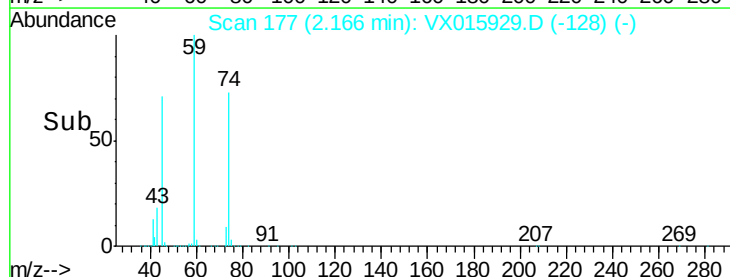
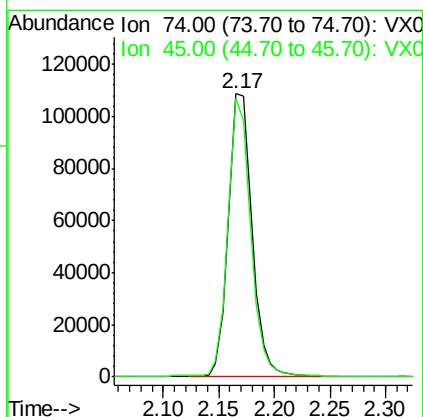
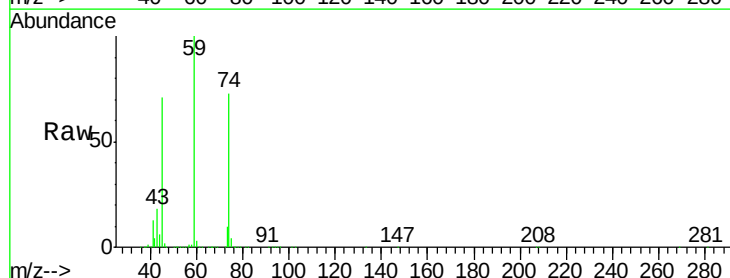
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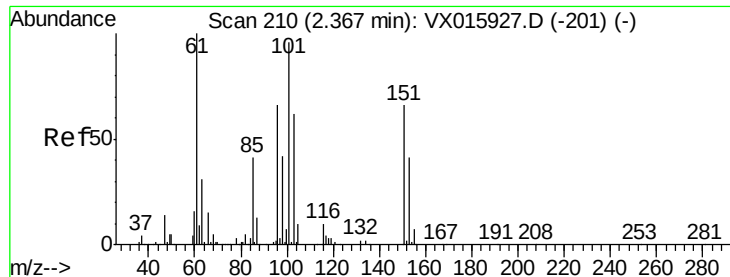


#8

Diethyl Ether
Concen: 150.304 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX015929.D
Acq: 24 Apr 2020 12:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		161740		
45	94.7	46.9	140.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 161.524 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

Instrument :

MSVOA_X

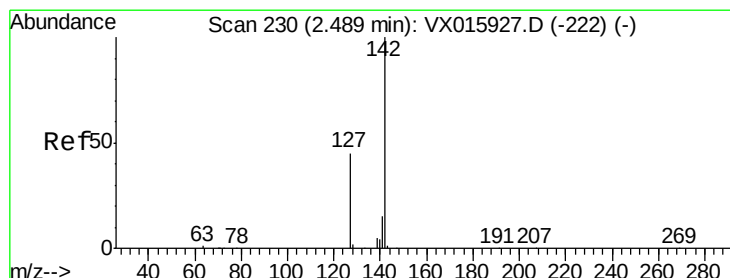
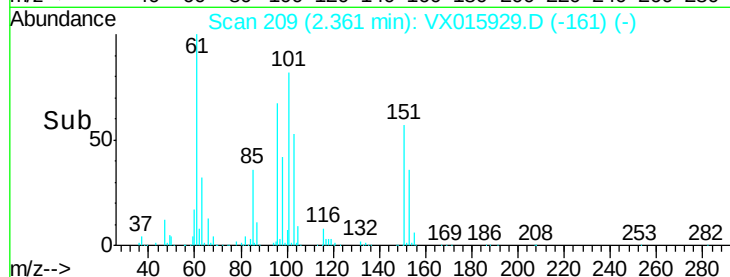
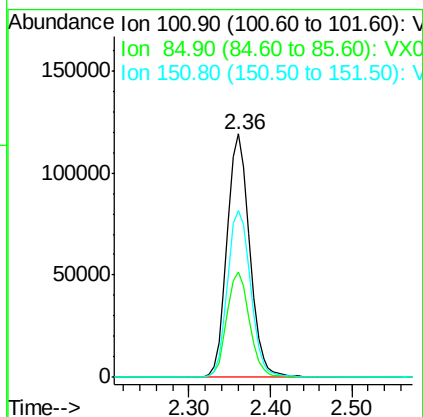
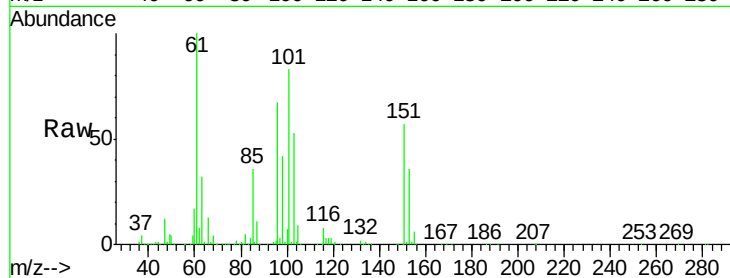
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	227489
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.9	52.3
151	70.1	55.8	83.6

Manual Integrations
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#10

Methyl Iodide

Concen: 199.517 ug/l

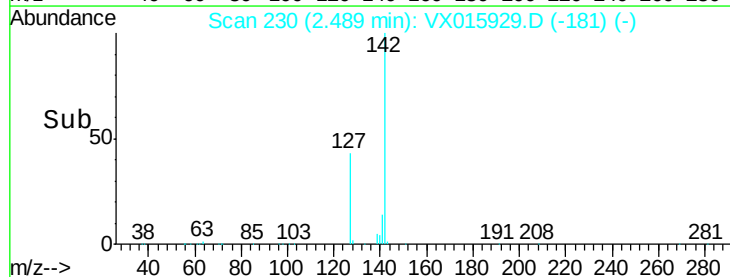
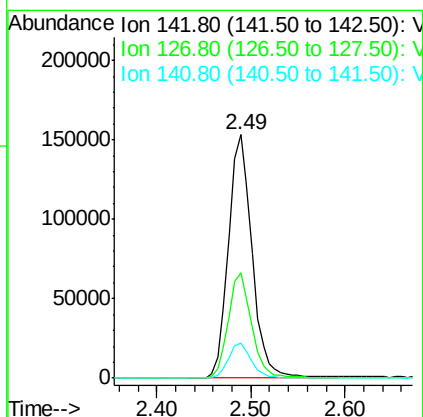
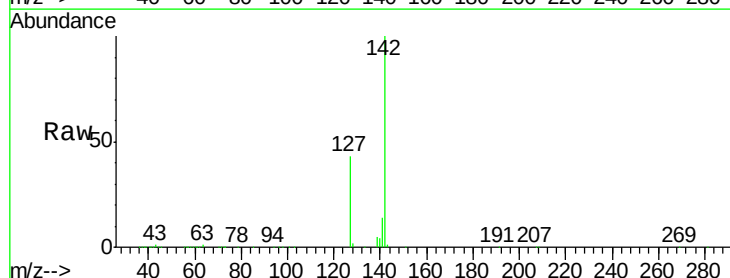
RT: 2.49 min Scan# 230

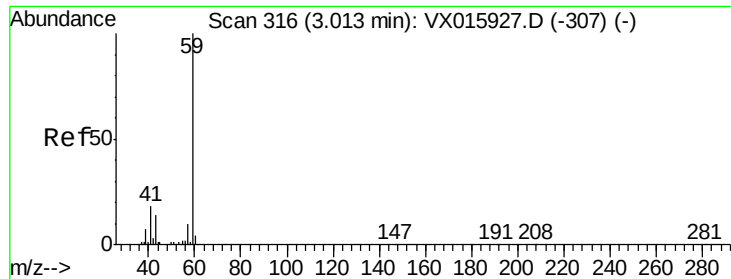
Delta R.T. -0.00 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

Tgt Ion:	142	Resp:	268345
Ion Ratio	Lower	Upper	
142	100		
127	43.0	34.4	51.6
141	14.2	11.5	17.3





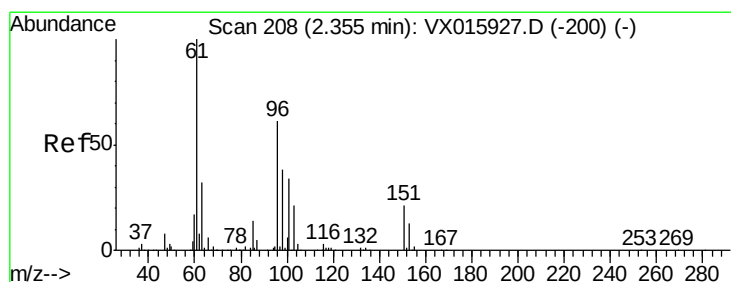
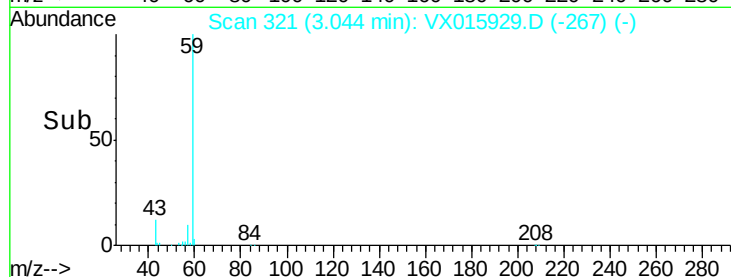
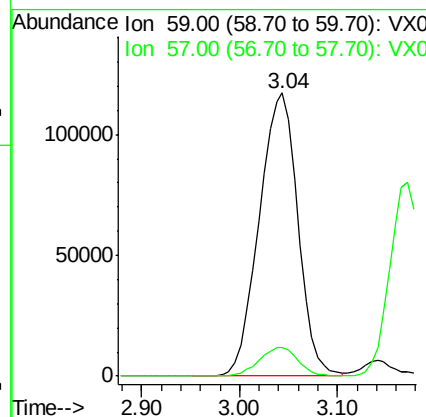
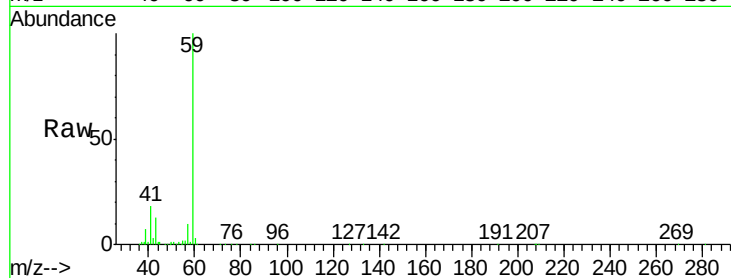
#11
Tert butyl alcohol
Concen: 833.725 ug/l
RT: 3.04 min Scan# 321
Delta R.T. 0.03 min
Lab File: VX015929.D
Acq: 24 Apr 2020 12:58

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.4	12.6

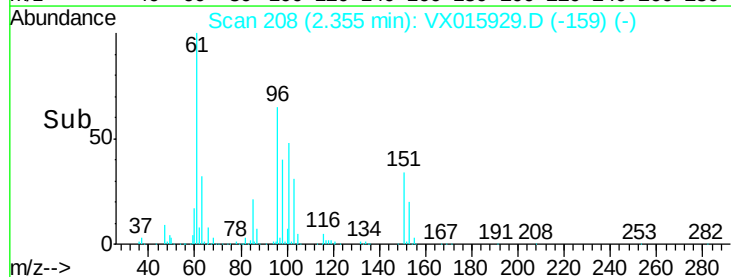
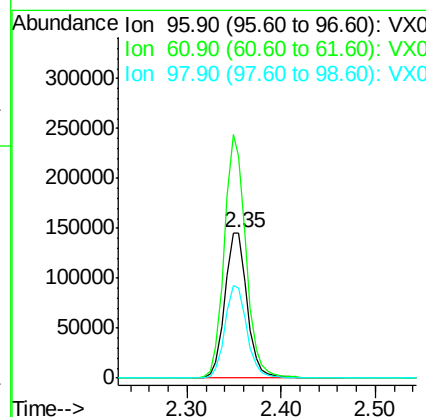
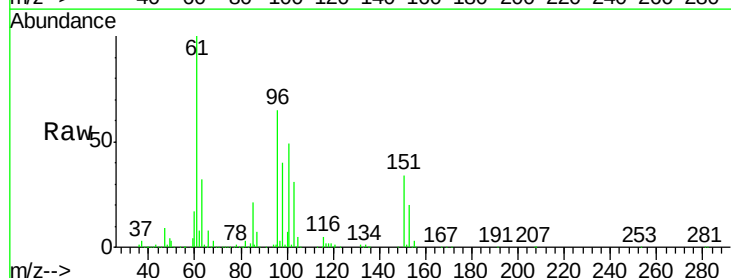
Manual Integrations
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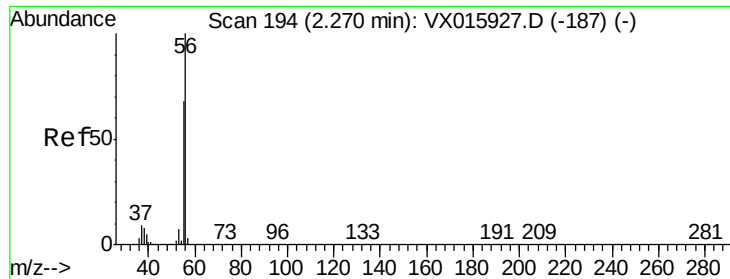
MMDadoda
4/27/2020 12:39:57 PM



#12
1,1-Dichloroethene
Concen: 161.680 ug/l
RT: 2.35 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX015929.D
Acq: 24 Apr 2020 12:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.3	131.2	196.8
98	62.0	50.2	75.4





#13

Acrolein

Concen: 707.135 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 180254

Ion Ratio Lower Upper

56 100

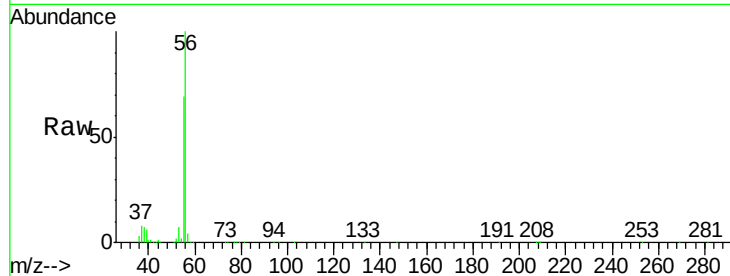
55 69.9 56.0 84.0

Manual Integrations

APPROVED

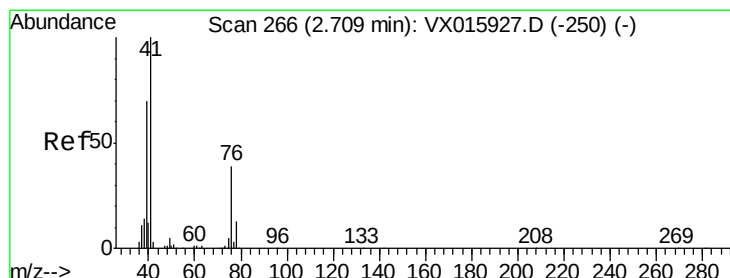
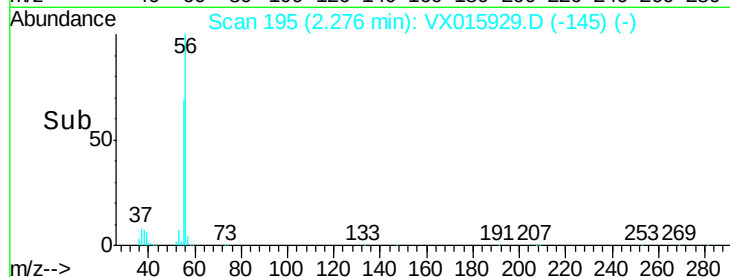
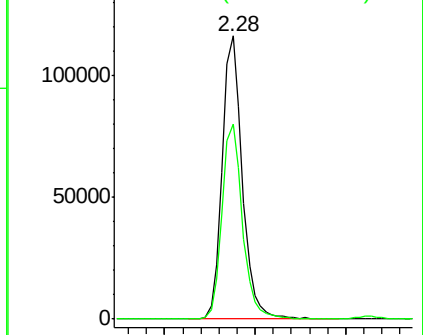
MMDadoda

4/27/2020 12:39:57 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 156.269 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

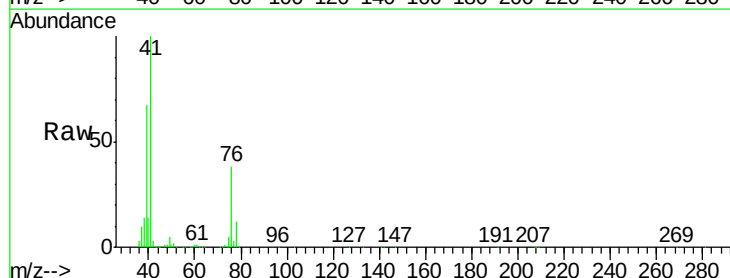
Tgt Ion: 41 Resp: 409975

Ion Ratio Lower Upper

41 100

39 63.4 51.6 77.4

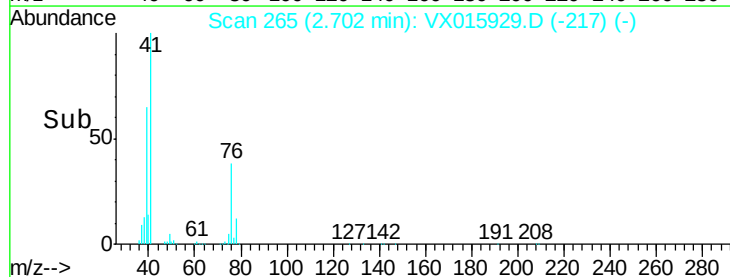
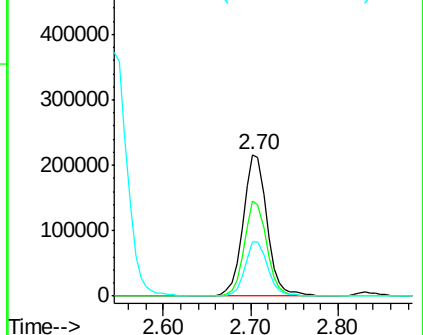
76 36.2 29.3 43.9

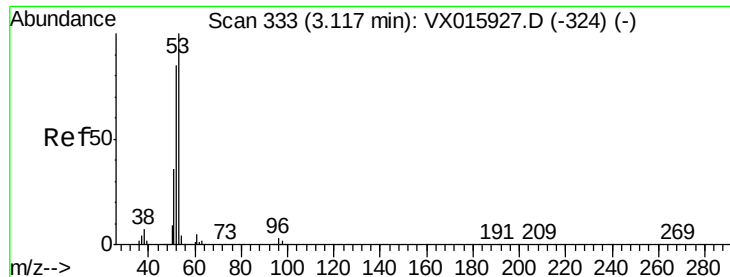


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





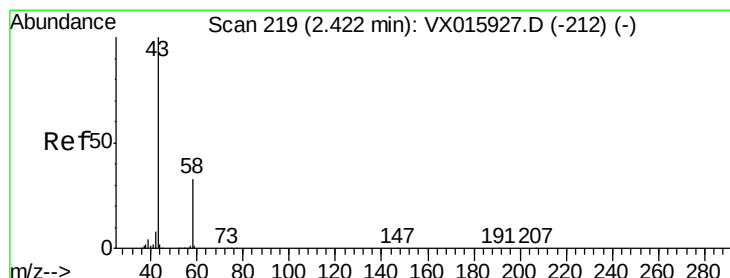
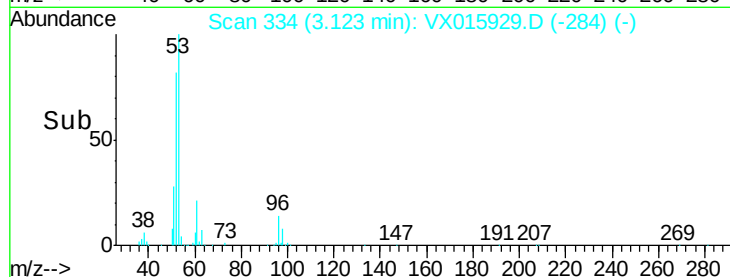
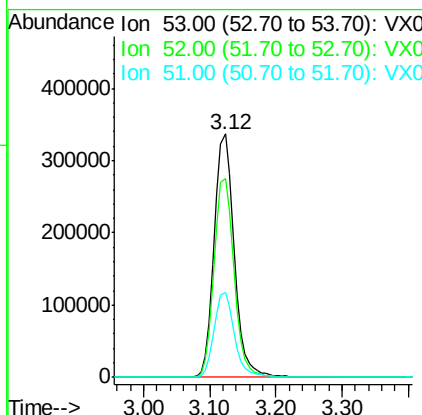
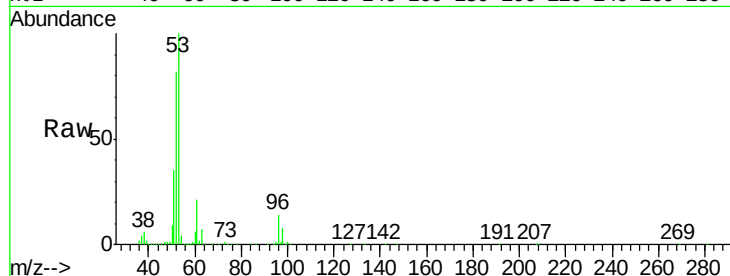
#15
 Acrylonitrile
 Concen: 831.508 ug/l
 RT: 3.12 min Scan# 334
 Delta R.T. 0.01 min
 Lab File: VX015929.D
 Acq: 24 Apr 2020 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:	53	Resp:	707783
Ion Ratio	Lower	Upper	
53	100		
52	81.7	65.5	98.3
51	35.1	28.2	42.2

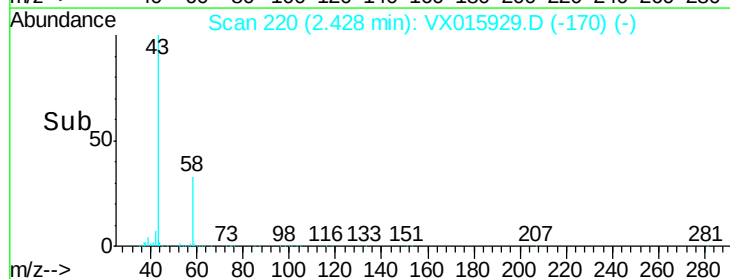
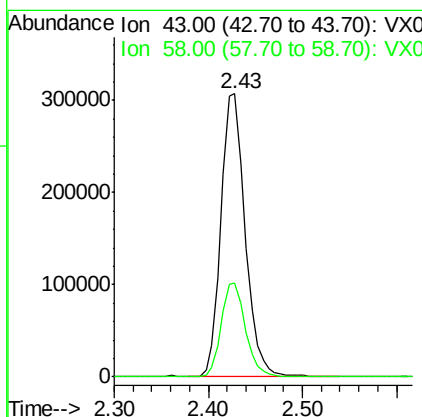
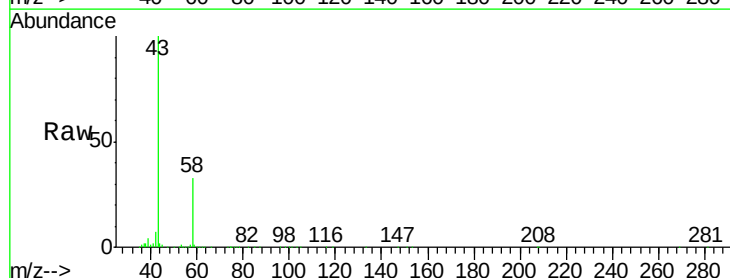
Manual Integrations
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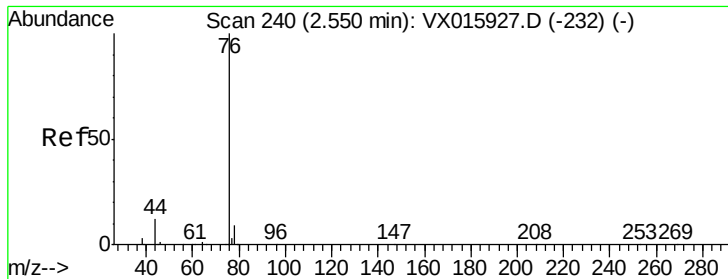
MMDadoda
 4/27/2020 12:39:57 PM



#16
 Acetone
 Concen: 791.034 ug/l
 RT: 2.43 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX015929.D
 Acq: 24 Apr 2020 12:58

Tgt Ion:	43	Resp:	546586
Ion Ratio	Lower	Upper	
43	100		
58	33.2	26.4	39.6





#17

Carbon Disulfide

Concen: 131.362 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 76 Resp: 620086

Ion Ratio Lower Upper

76 100

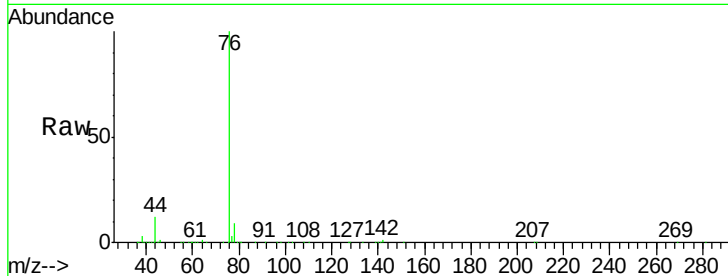
78 9.1 7.4 11.2

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

2.54

400000

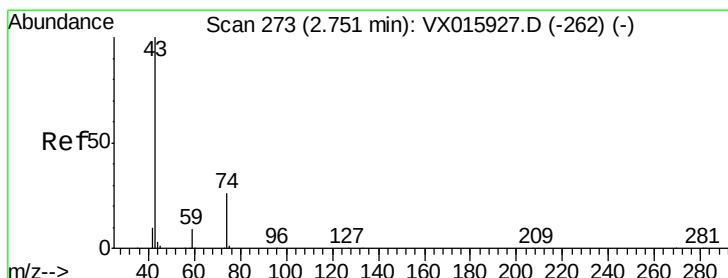
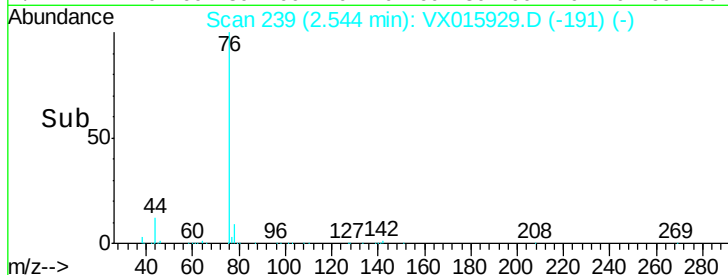
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 164.025 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX015929.D

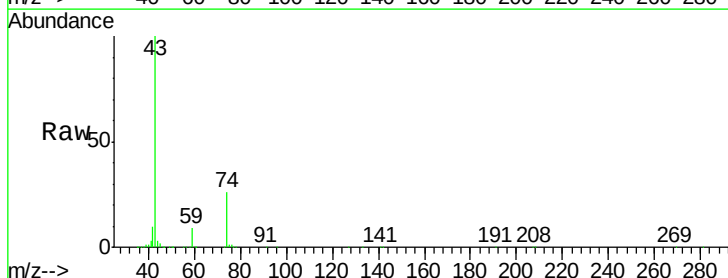
Acq: 24 Apr 2020 12:58

Tgt Ion: 43 Resp: 339500

Ion Ratio Lower Upper

43 100

74 26.3 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

200000

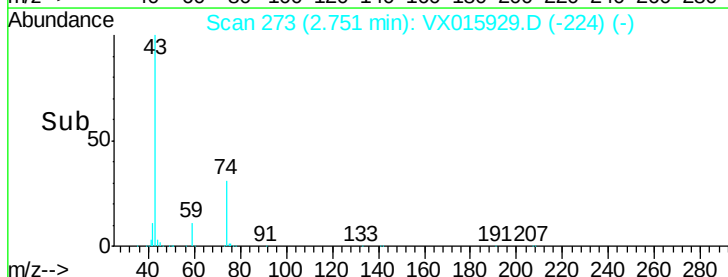
150000

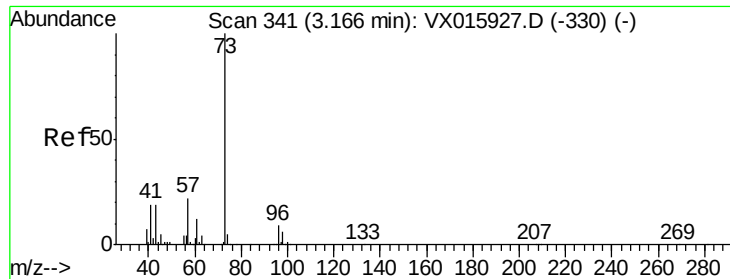
100000

50000

0

Time-->





#19

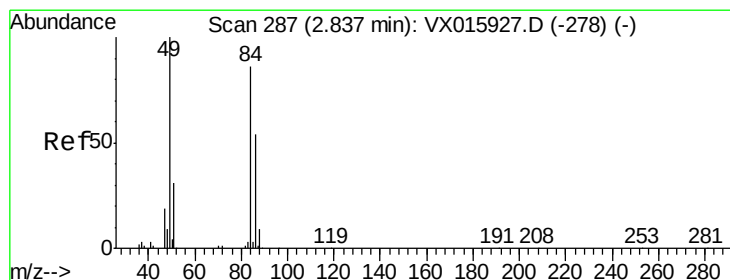
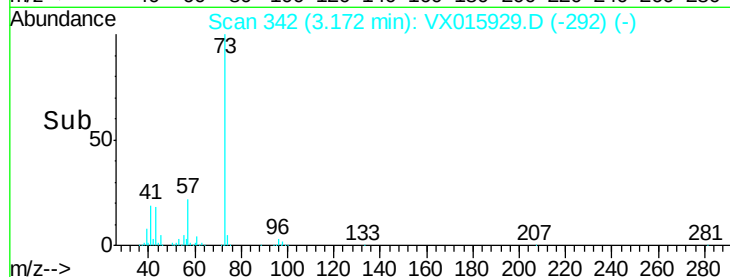
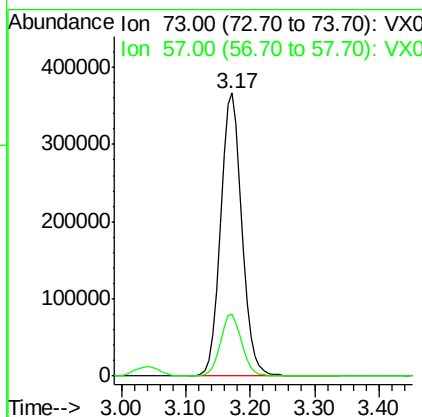
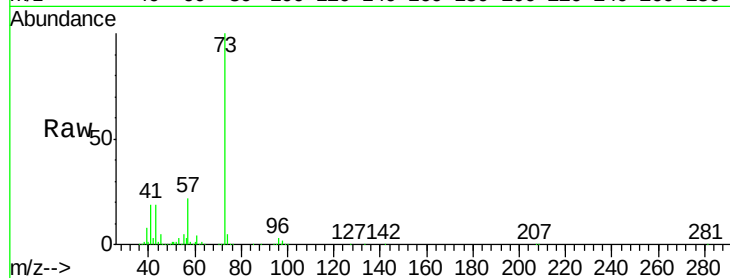
Methyl tert-butyl Ether
 Concen: 162.539 ug/l
 RT: 3.17 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VX015929.D
 Acq: 24 Apr 2020 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.3	25.9

Manual Integrations
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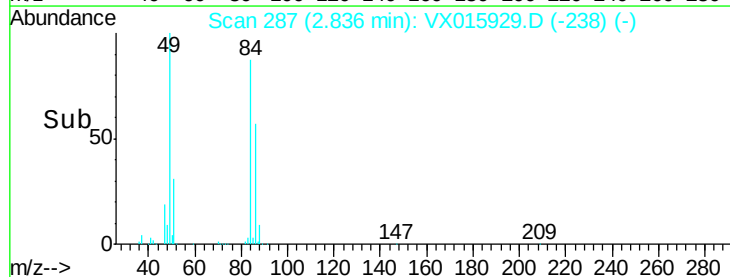
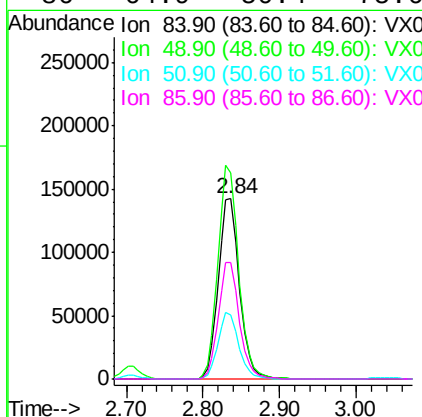
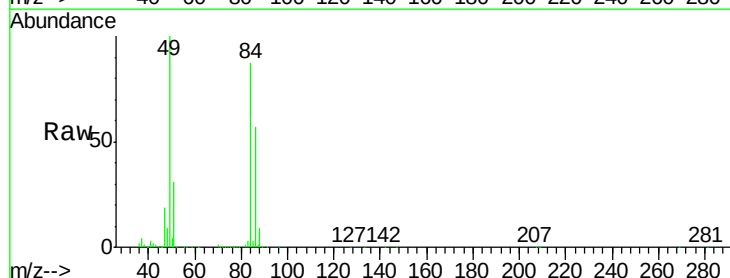
MMDadoda
 4/27/2020 12:39:57 PM

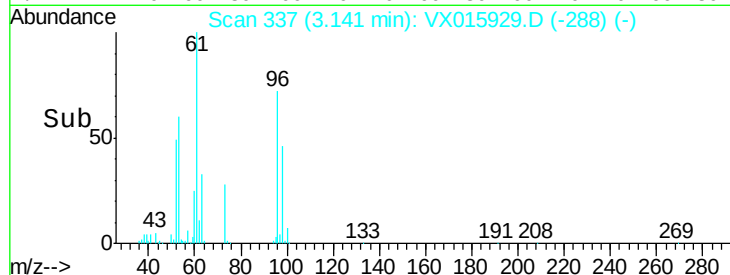
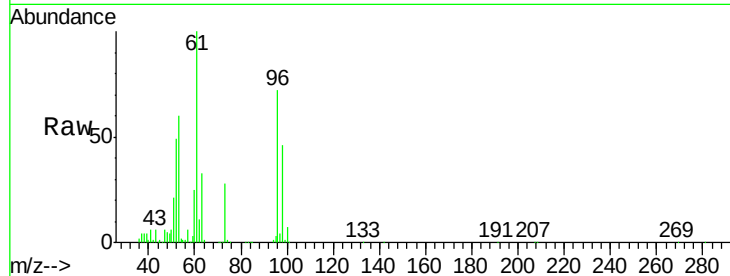
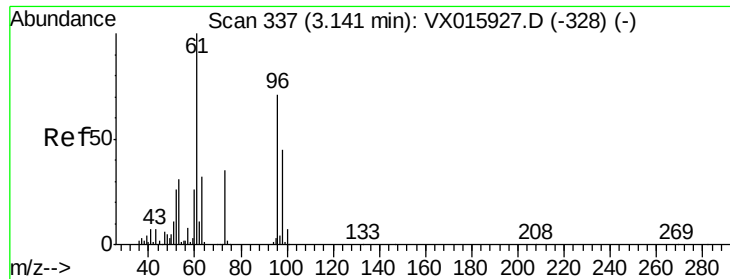


#20

Methylene Chloride
 Concen: 159.449 ug/l
 RT: 2.84 min Scan# 287
 Delta R.T. -0.00 min
 Lab File: VX015929.D
 Acq: 24 Apr 2020 12:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.3	93.0	139.6
51	35.6	28.6	43.0
86	64.9	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 161.979 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX015929.D

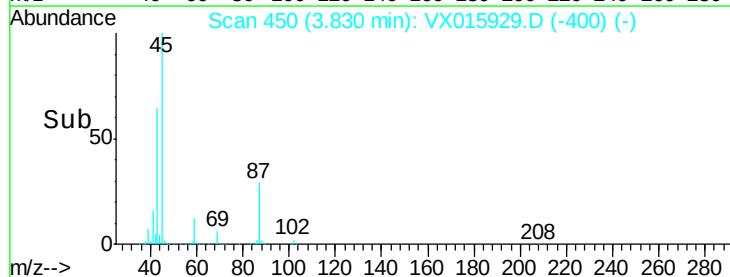
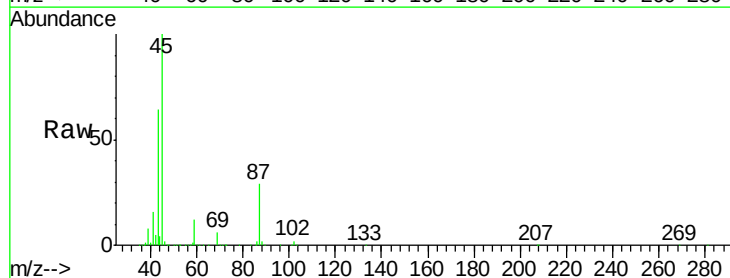
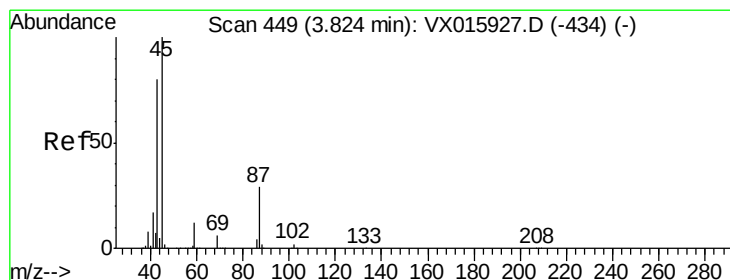
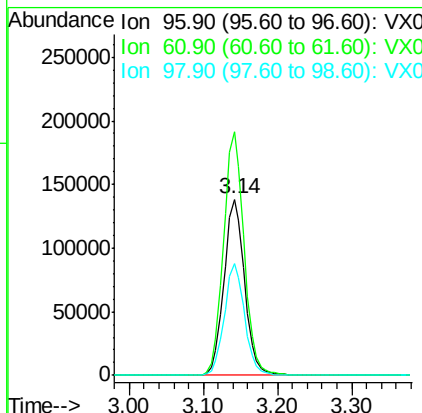
Acq: 24 Apr 2020 12:58

Tot Ion:	96	Resp:	266665
Ion	Ratio	Lower	Upper
96	100		
61	138.1	112.7	169.1
98	63.2	51.0	76.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Manual Integrations
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#22

Diisopropyl ether

Concen: 158.634 ug/l

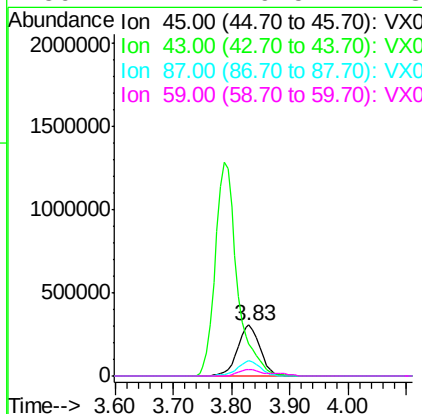
RT: 3.83 min Scan# 450

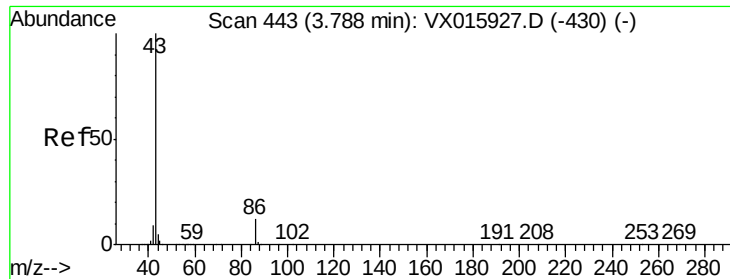
Delta R.T. 0.01 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

Tgt Ion:	45	Resp:	818657
Ion	Ratio	Lower	Upper
45	100		
43	63.9	63.8	95.6
87	29.3	22.9	34.3
59	12.1	9.5	14.3





#23

Vinyl Acetate

Concen: 799.658 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3347929

Ion Ratio Lower Upper

43 100

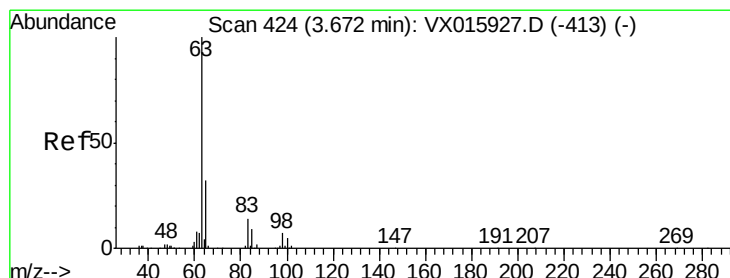
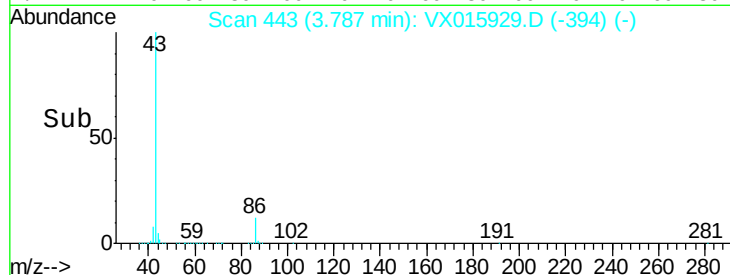
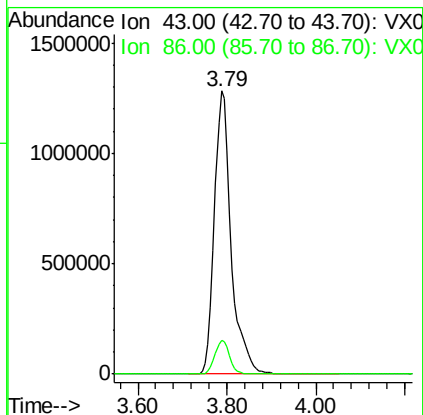
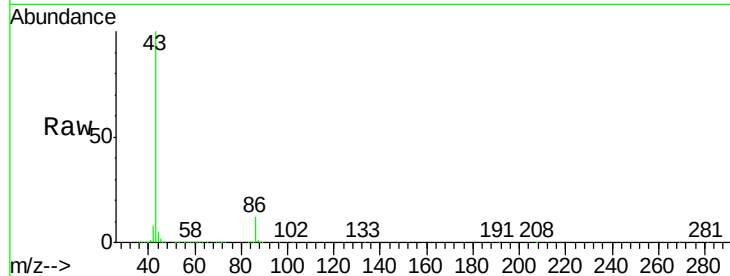
86 11.8 9.4 14.2

Manual Integrations

APPROVED

MMDadoda

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#24

1,1-Dichloroethane

Concen: 161.288 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

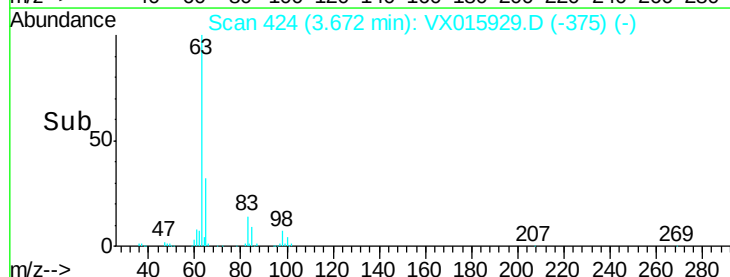
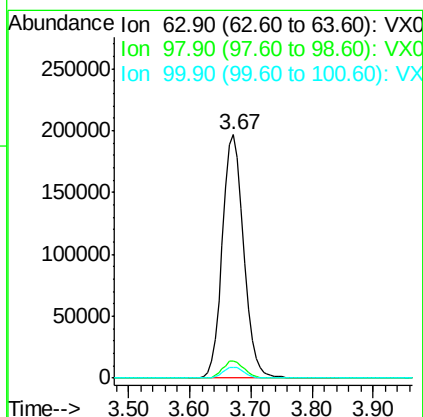
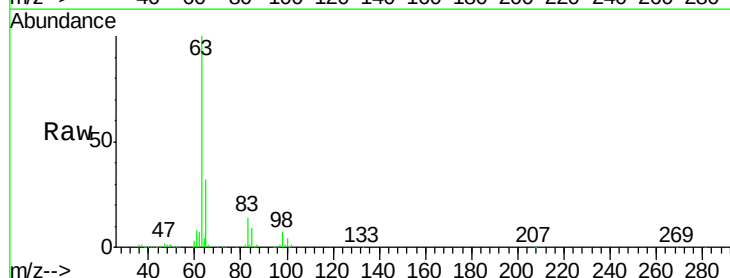
Tgt Ion: 63 Resp: 473605

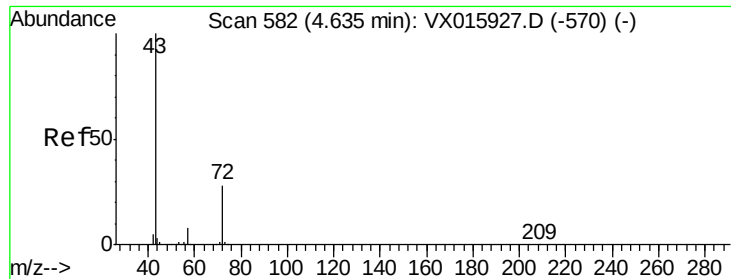
Ion Ratio Lower Upper

63 100

98 7.1 3.7 11.1

100 4.5 2.3 6.9





#25

2-Butanone

Concen: 831.003 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 919687

Ion Ratio Lower Upper

43 100

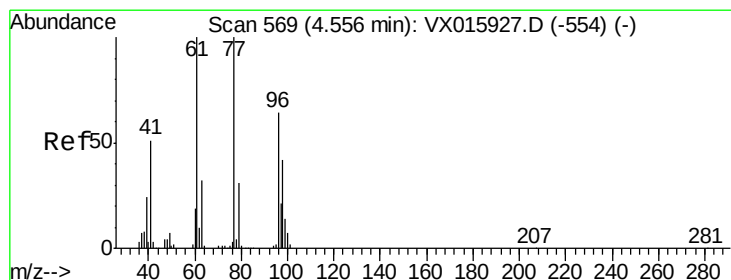
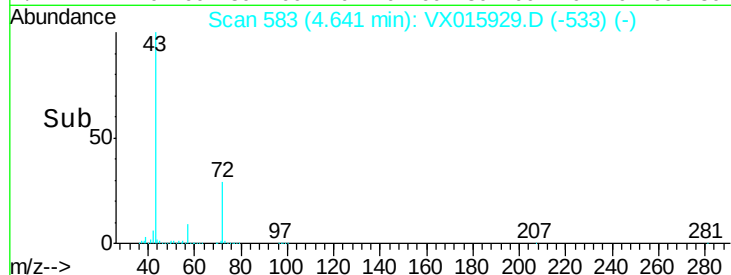
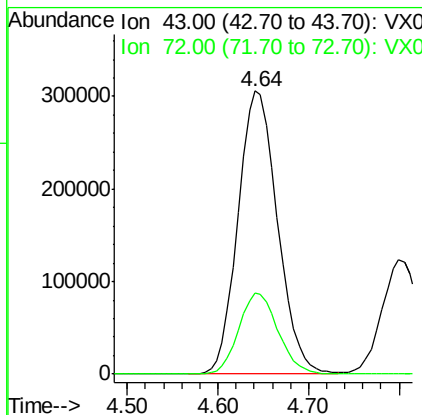
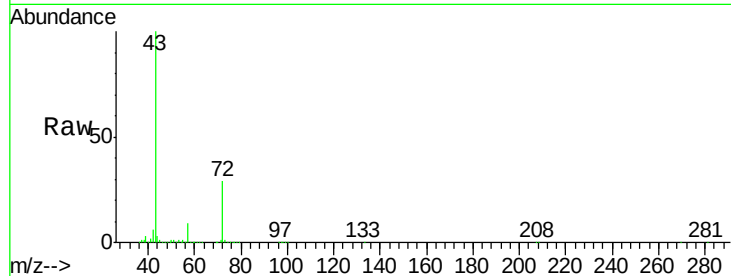
72 28.7 22.4 33.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 156.082 ug/l

RT: 4.56 min Scan# 569

Delta R.T. -0.00 min

Lab File: VX015929.D

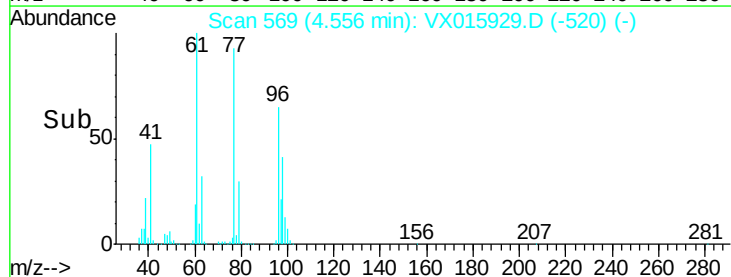
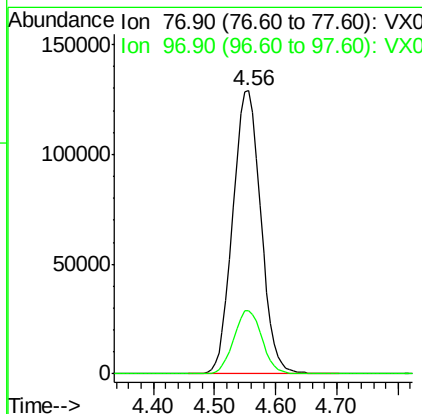
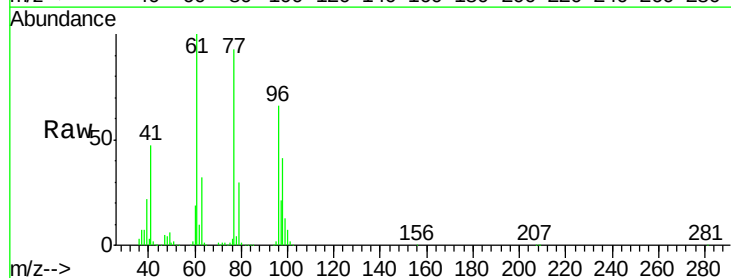
Acq: 24 Apr 2020 12:58

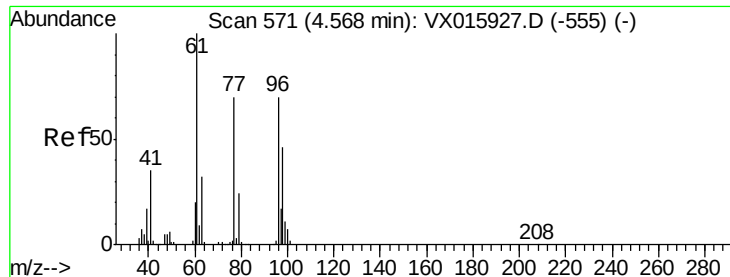
Tgt Ion: 77 Resp: 409021

Ion Ratio Lower Upper

77 100

97 22.6 11.3 33.9





#27

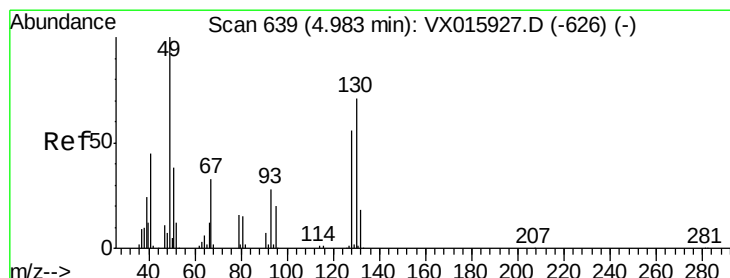
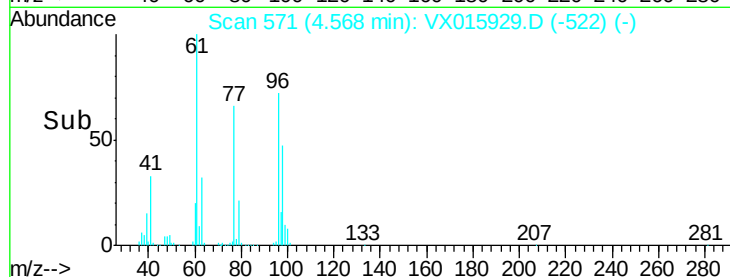
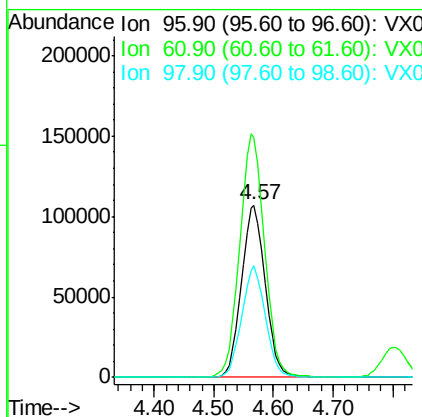
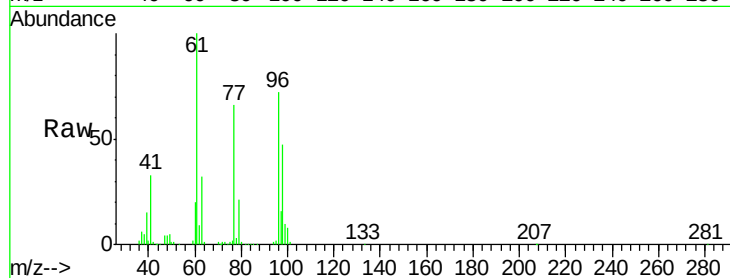
cis-1,2-Dichloroethene
Concen: 159.282 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX015929.D
Acq: 24 Apr 2020 12:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	298374		
61	147.1	0.0	293.4	
98	64.3	0.0	129.0	

Manual Integrations
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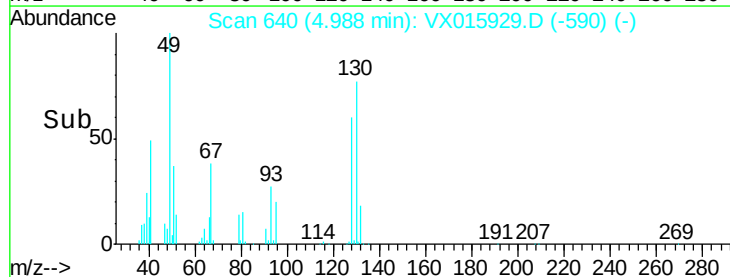
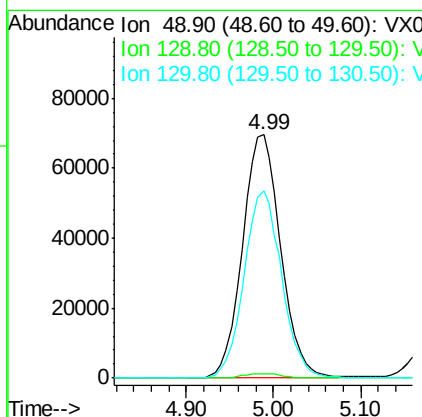
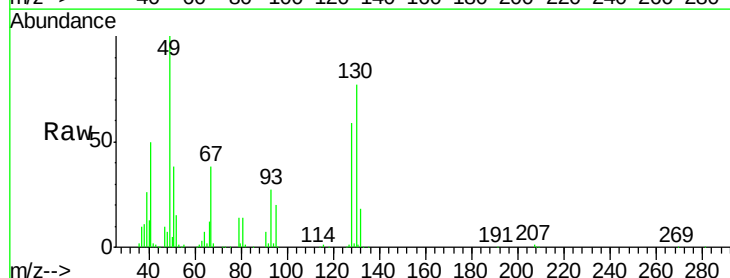
MMDadoda
4/27/2020 12:39:57 PM

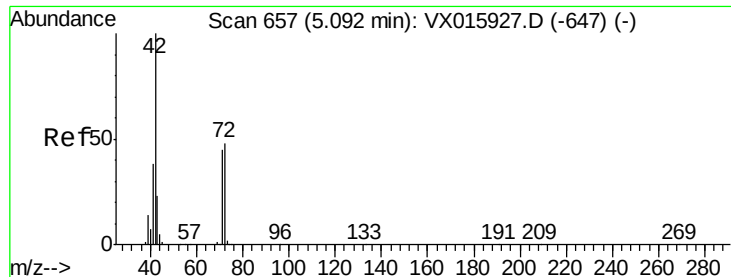


#28

Bromochloromethane
Concen: 161.402 ug/l
RT: 4.99 min Scan# 640
Delta R.T. 0.01 min
Lab File: VX015929.D
Acq: 24 Apr 2020 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	211378		
129	1.8	0.0	3.8	
130	76.0	60.7	91.1	





#29

Tetrahydrofuran

Concen: 809.177 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

Instrument :

MSVOA_X

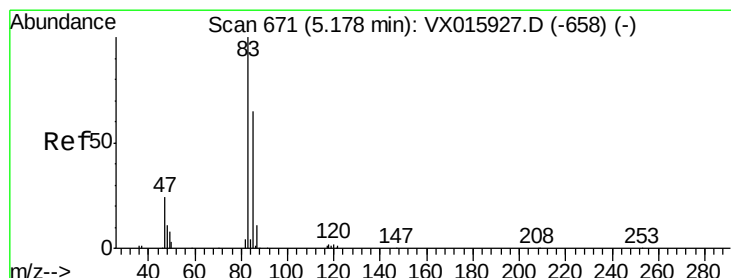
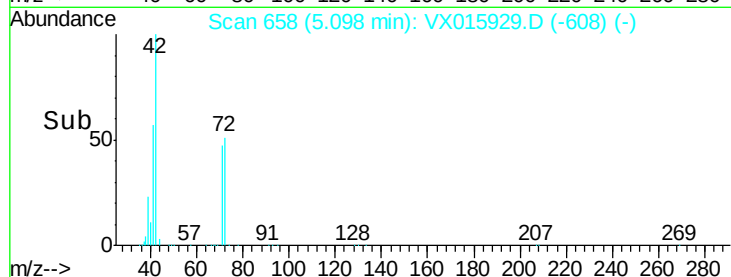
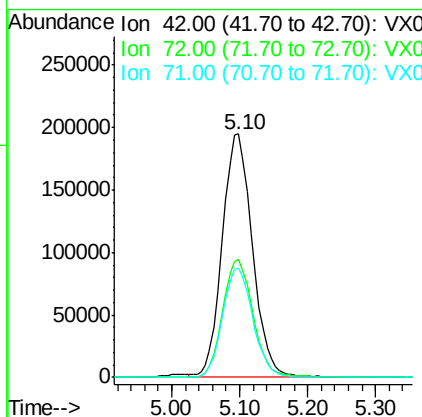
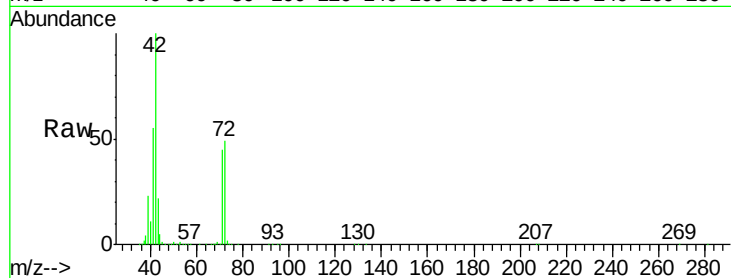
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.3	39.5	59.3
71	45.5	36.4	54.6

Manual Integrations
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4/27/2020 12:39:57 PM



#30

Chloroform

Concen: 161.311 ug/l

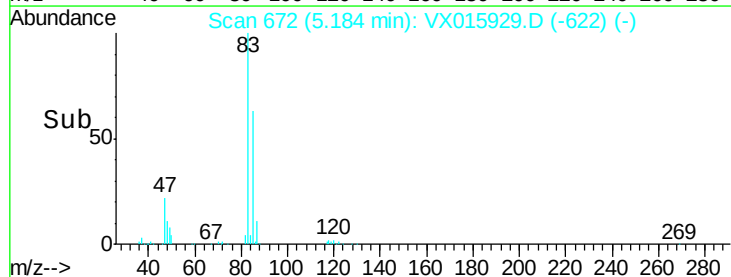
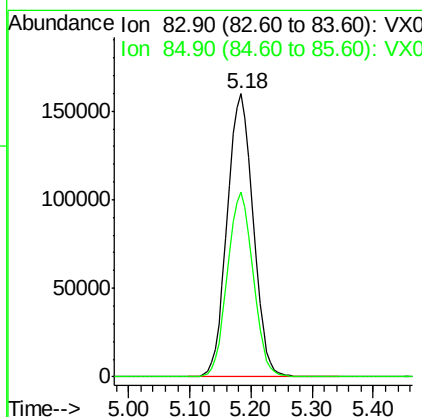
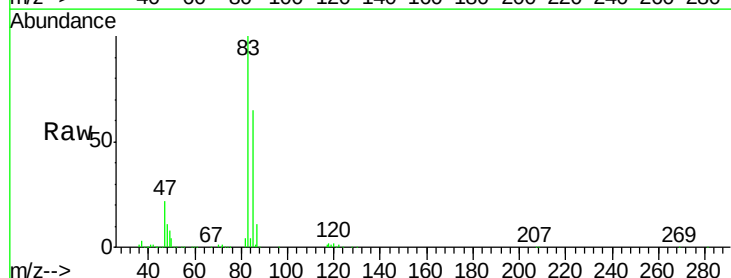
RT: 5.18 min Scan# 672

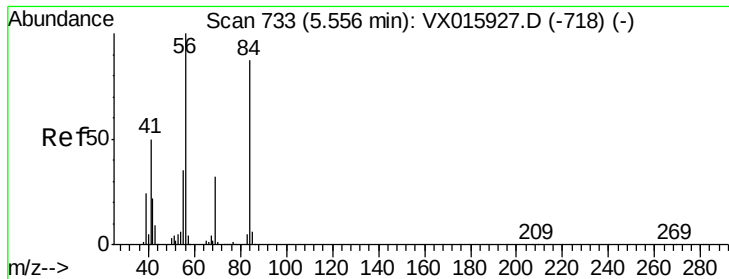
Delta R.T. 0.01 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.7	77.5





#31

Cyclohexane

Concen: 161.486 ug/l

RT: 5.55 min Scan# 732

Delta R.T. -0.01 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

Instrument :

MSVOA_X

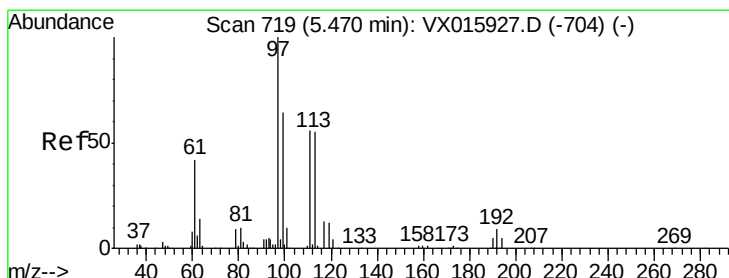
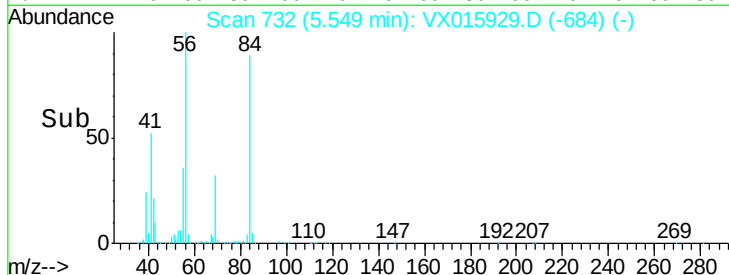
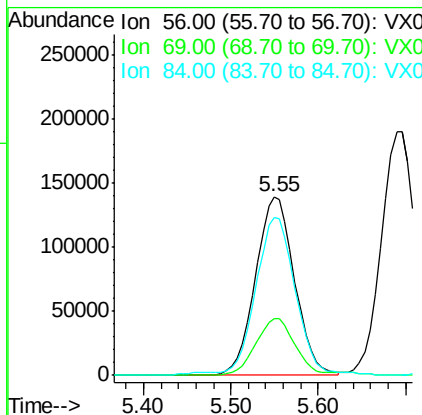
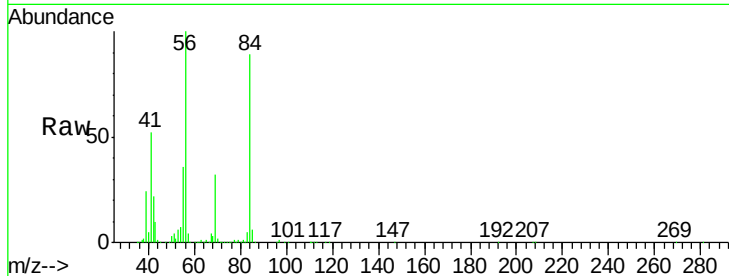
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	431123
Ion Ratio	Lower	Upper	
56	100		
69	32.0	25.4	38.0
84	87.5	69.5	104.3

Manual Integrations
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4/27/2020 12:39:57 PM



#32

1,1,1-Trichloroethane

Concen: 157.887 ug/l

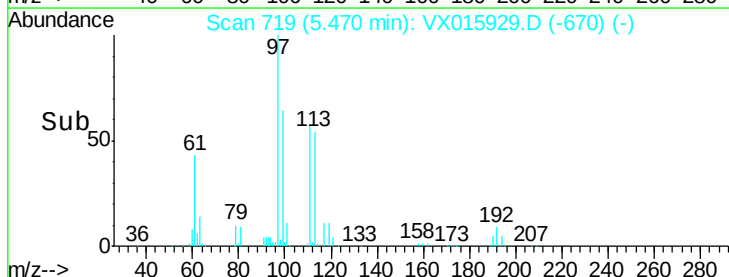
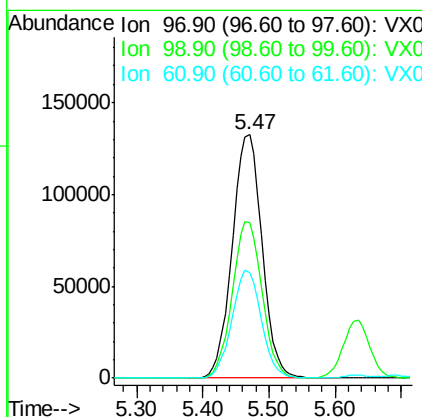
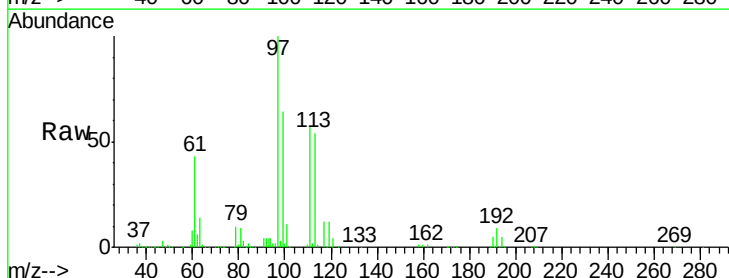
RT: 5.47 min Scan# 719

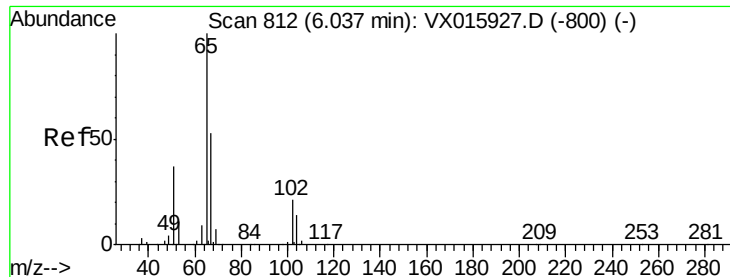
Delta R.T. -0.00 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

Tgt Ion:	97	Resp:	415634
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.1	76.7
61	43.7	35.0	52.4





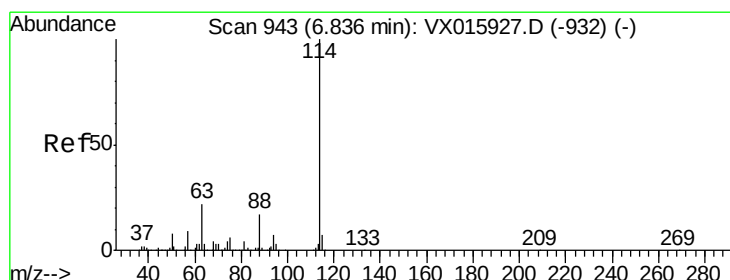
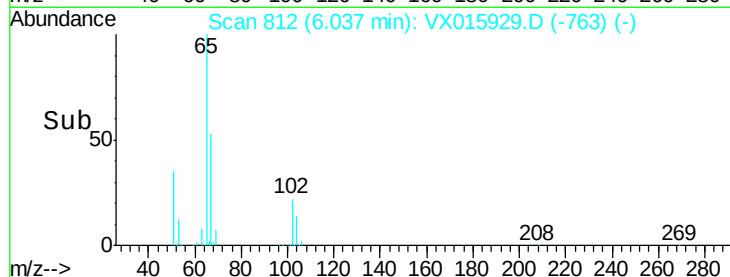
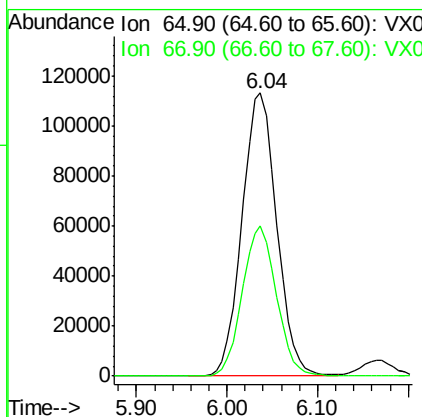
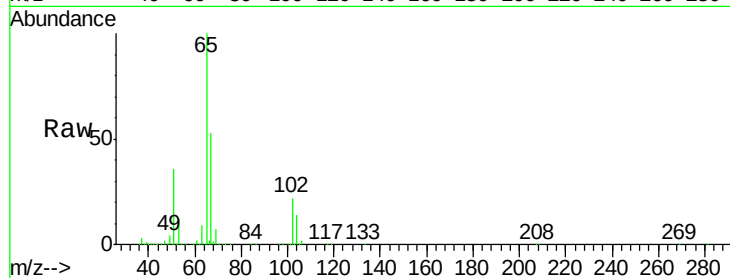
#33
 1,2-Dichloroethane-d4
 Concen: 161.244 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. -0.00 min
 Lab File: VX015929.D
 Acq: 24 Apr 2020 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	300396		
67	52.4	0.0	106.6	

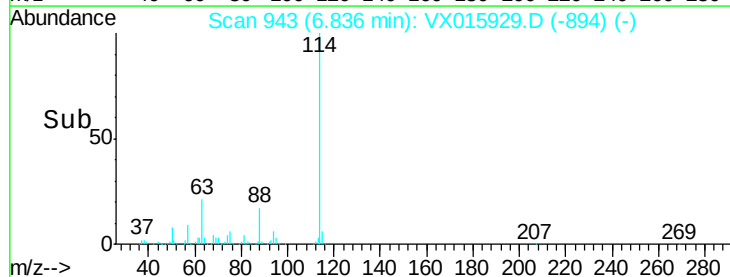
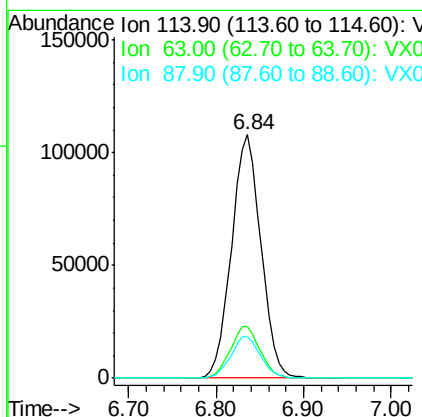
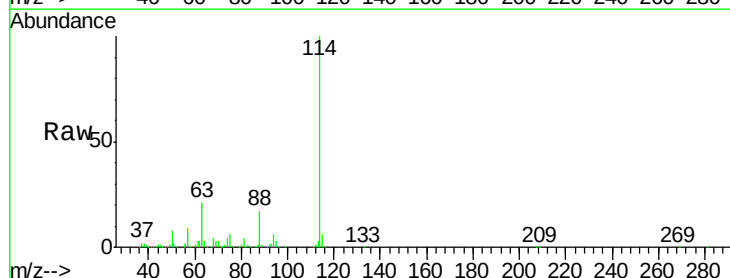
Manual Integrations
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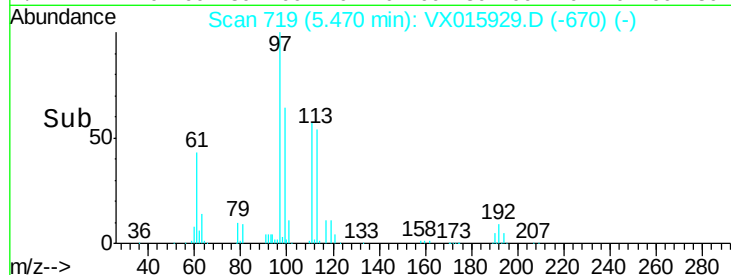
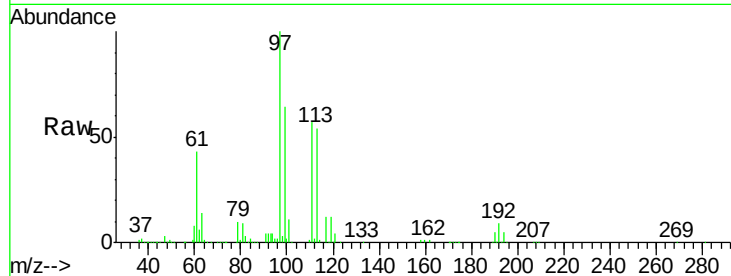
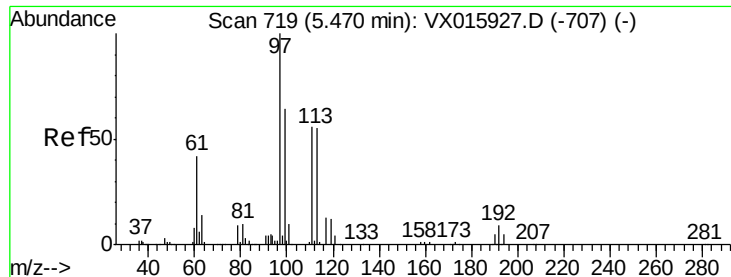
MMDadoda
 4/27/2020 12:39:57 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. -0.00 min
 Lab File: VX015929.D
 Acq: 24 Apr 2020 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	253170		
63	21.1	0.0	44.4	
88	16.9	0.0	34.2	





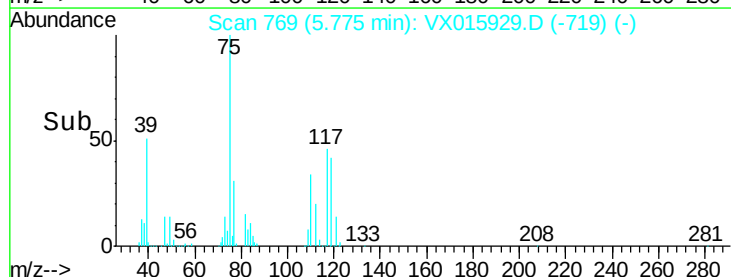
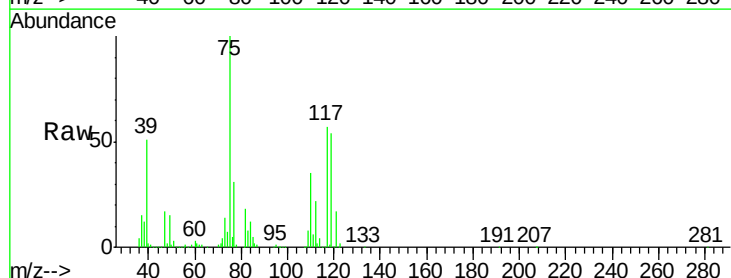
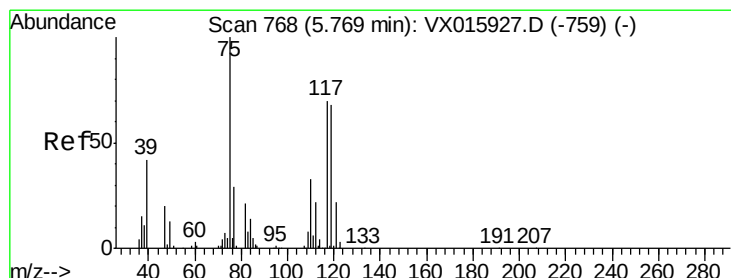
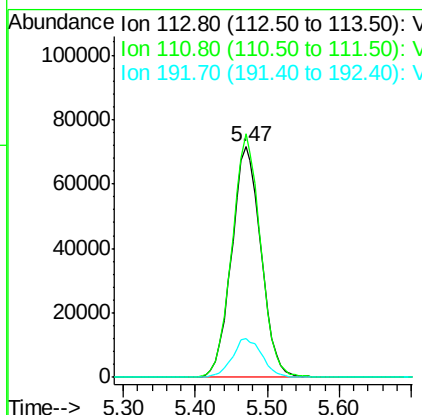
#35
Dibromofluoromethane
Concen: 143.829 ug/l
RT: 5.47 min Scan# 719
Delta R.T. -0.00 min
Lab File: VX015929.D
Acq: 24 Apr 2020 12:58

Tot Ion	Ratio	Resp	Lower	Upper
113	100	202609		
111	102.8	81.2	121.8	
192	17.0	13.6	20.4	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

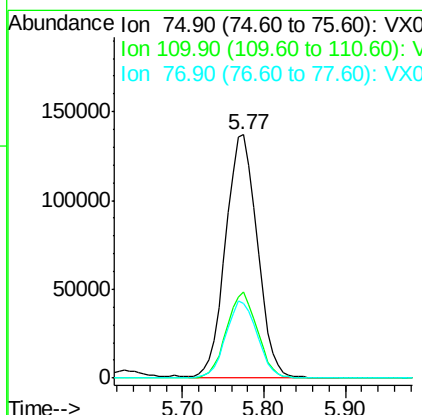
Manual Integrations
APPROVED

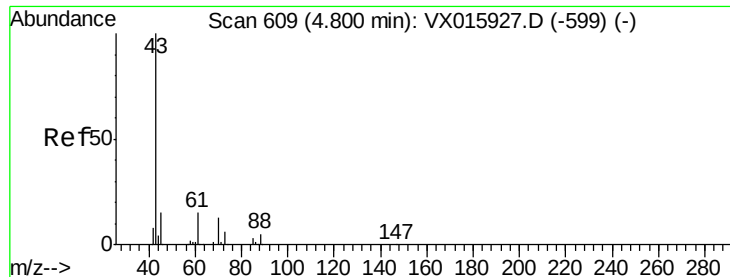
MMDadoda
4/27/2020 12:39:57 PM



#36
1,1-Dichloropropene
Concen: 153.108 ug/l
RT: 5.77 min Scan# 769
Delta R.T. 0.01 min
Lab File: VX015929.D
Acq: 24 Apr 2020 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	366719		
110	34.6	17.1	51.3	
77	31.3	25.0	37.4	





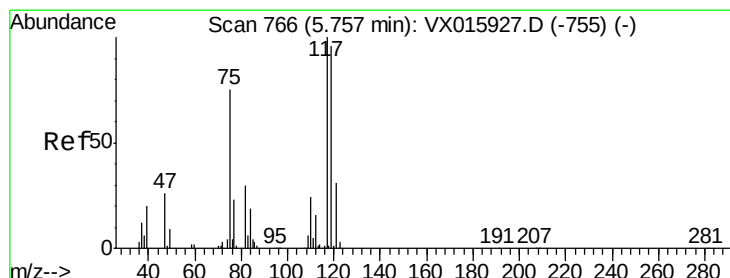
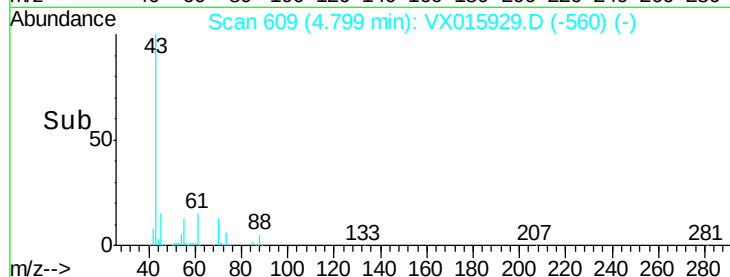
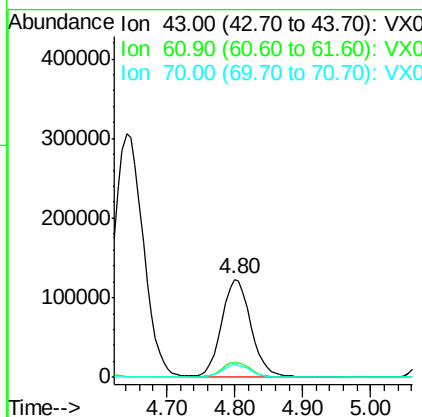
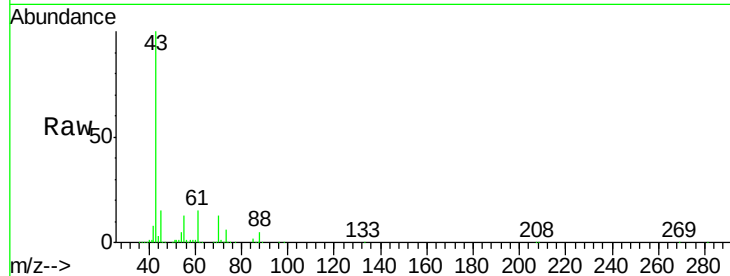
#37
Ethyl Acetate
Concen: 153.286 ug/l
RT: 4.80 min Scan# 609
Delta R.T. -0.00 min
Lab File: VX015929.D
Acq: 24 Apr 2020 12:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	43	Resp	367528
Ion Ratio	Lower	Upper	
43	100		
61	15.0	11.6	17.4
70	12.5	9.8	14.6

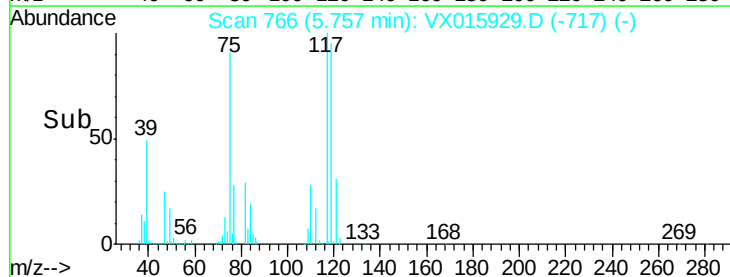
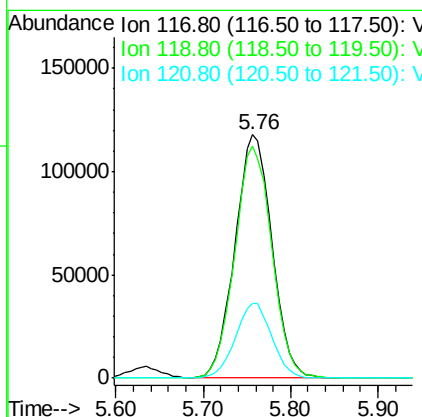
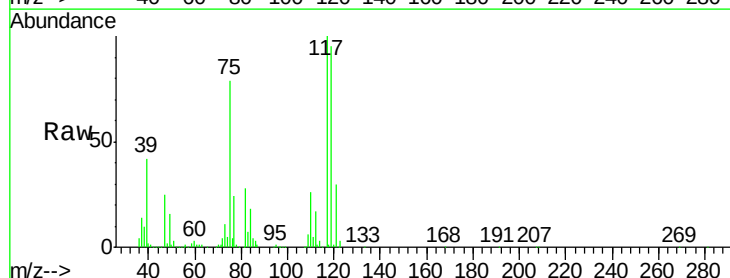
Manual Integrations
APPROVED

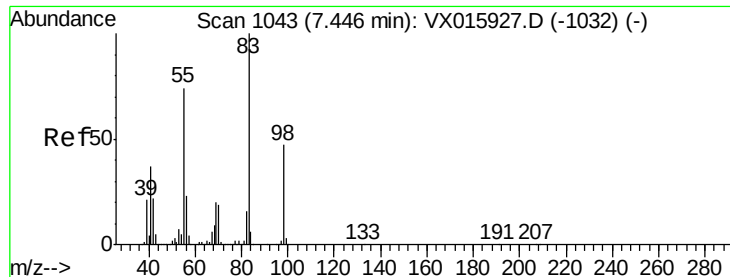
MMDadoda
4/27/2020 12:39:57 PM



#38
Carbon Tetrachloride
Concen: 159.327 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX015929.D
Acq: 24 Apr 2020 12:58

Tgt Ion	117	Resp	344038
Ion Ratio	Lower	Upper	
117	100		
119	95.4	77.0	115.6
121	30.5	25.0	37.4





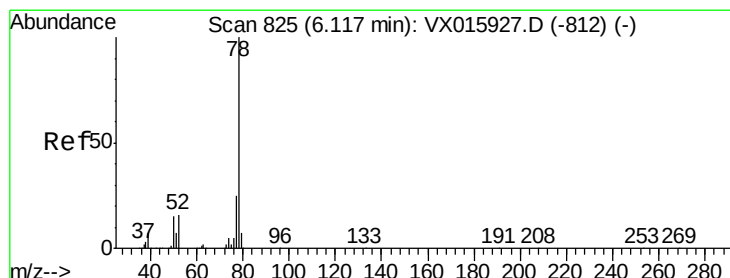
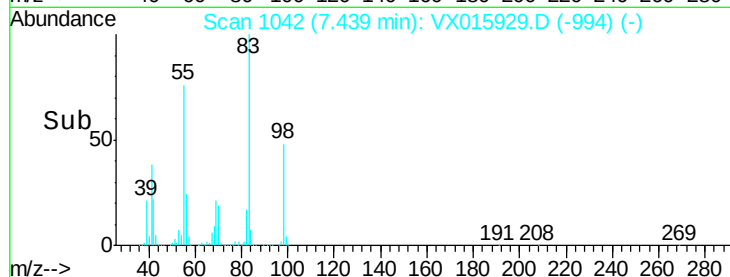
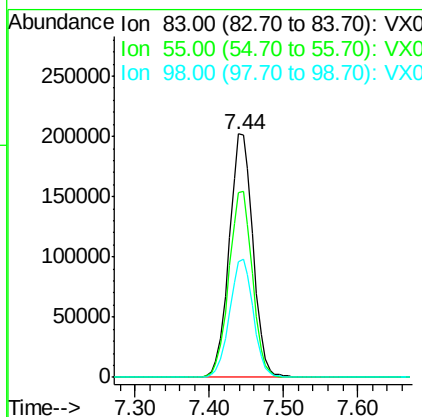
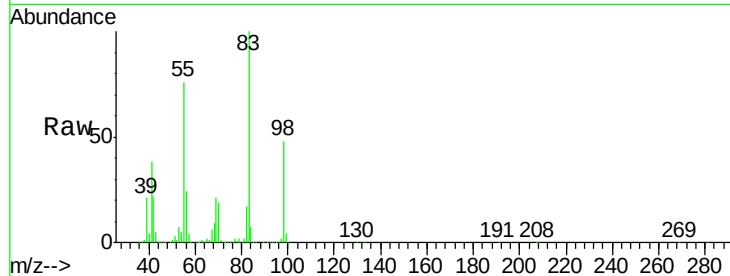
#39
Methylvlcyclohexane
Concen: 156.488 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VX015929.D
Acq: 24 Apr 2020 12:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.6	59.0	88.4
98	47.5	37.4	56.0

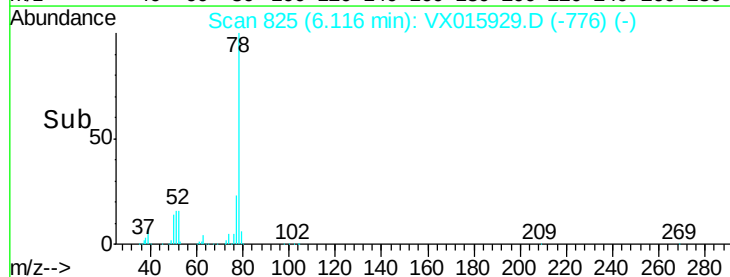
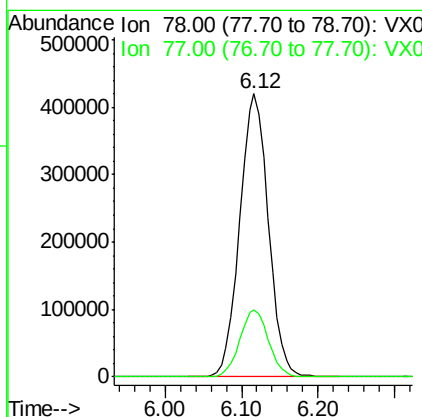
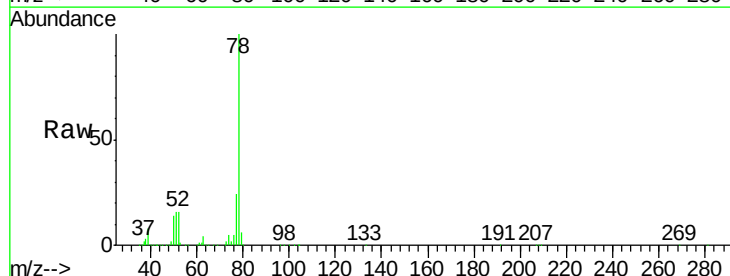
Manual Integrations
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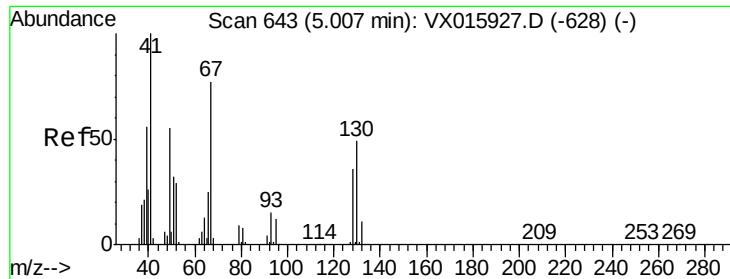
MMDadoda
4/27/2020 12:39:57 PM



#40
Benzene
Concen: 157.113 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX015929.D
Acq: 24 Apr 2020 12:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.8	29.8





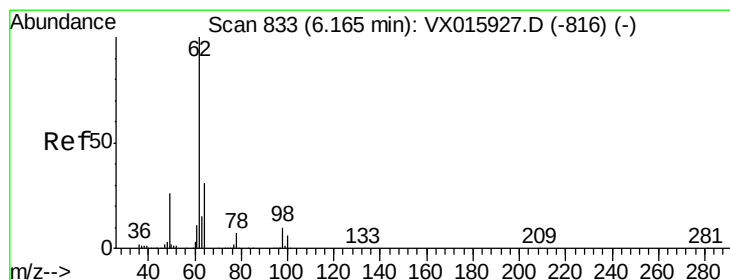
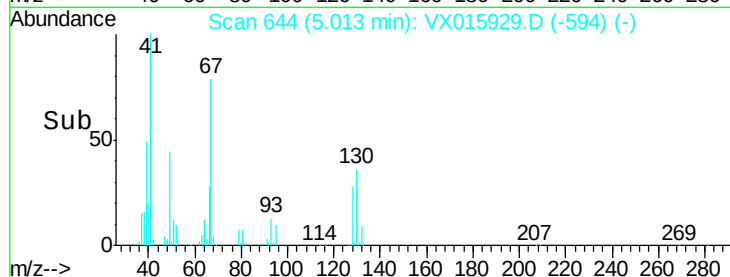
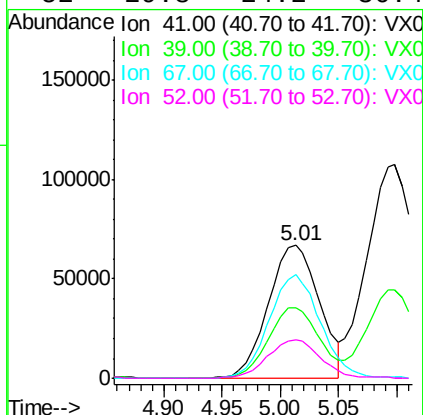
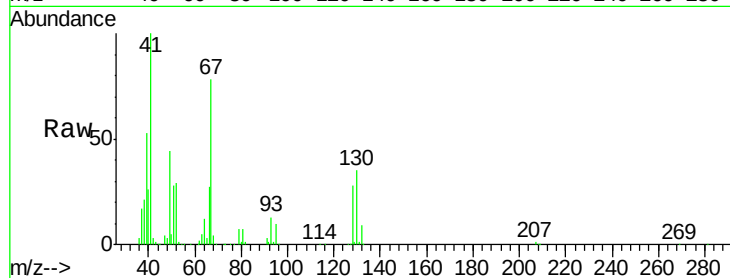
#41
Methacrylonitrile
Concen: 147.745 ug/l
RT: 5.01 min Scan# 644
Delta R.T. 0.01 min
Lab File: VX015929.D
Acq: 24 Apr 2020 12:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		203198		
39	52.7	42.8	64.2		
67	78.5	62.0	93.0		
52	29.8	24.2	36.4		

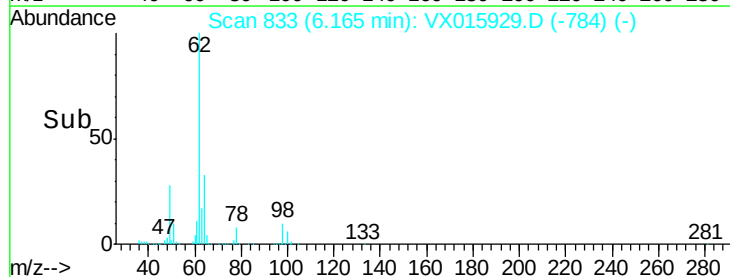
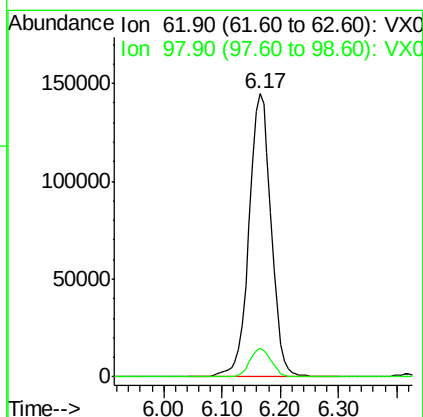
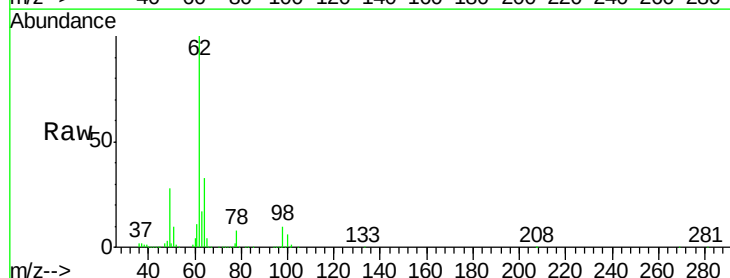
Manual Integrations
APPROVED

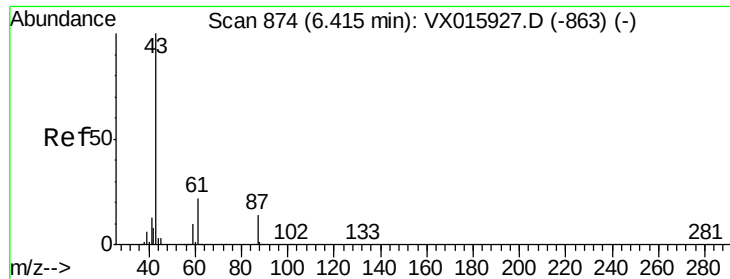
MMDadoda
4/27/2020 12:39:57 PM



#42
1,2-Dichloroethane
Concen: 155.663 ug/l
RT: 6.17 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX015929.D
Acq: 24 Apr 2020 12:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		379124		
98	9.8	0.0	20.0		





#43

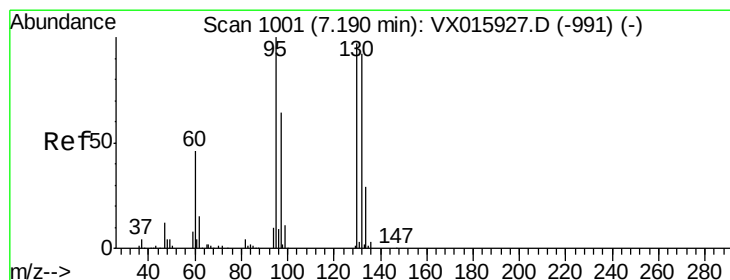
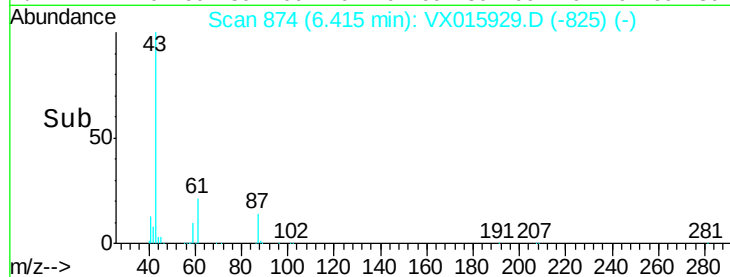
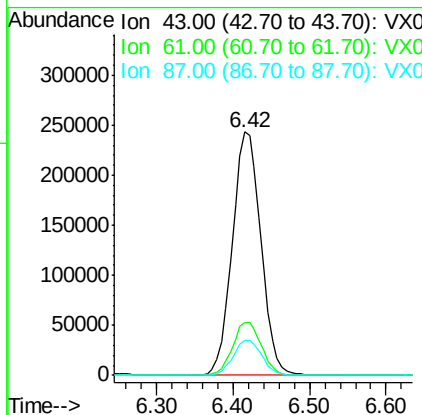
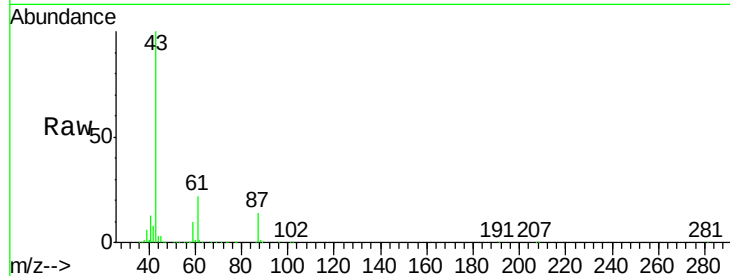
Isopropyl Acetate
 Concen: 161.768 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX015929.D
 Acq: 24 Apr 2020 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.1	17.6	26.4
87	14.6	11.6	17.4

Manual Integrations
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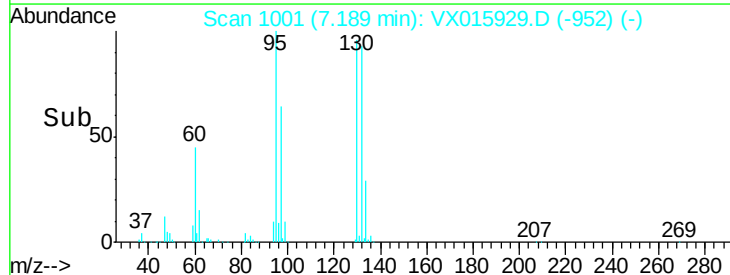
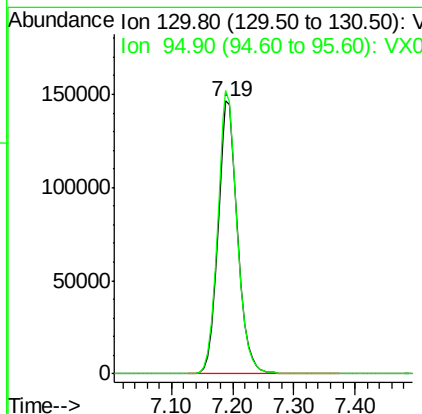
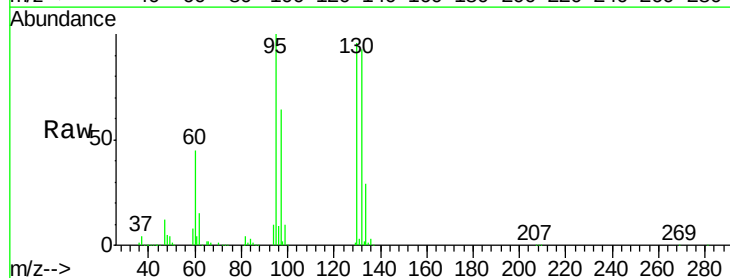
MMDadoda
 4/27/2020 12:39:57 PM

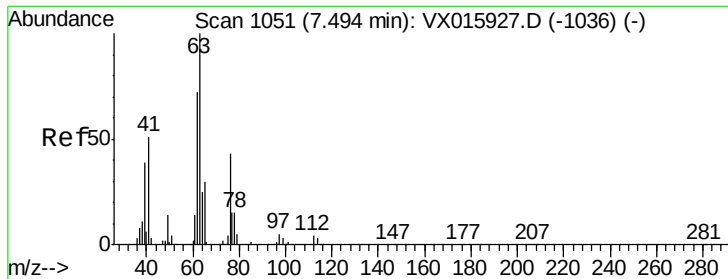


#44

Trichloroethene
 Concen: 152.850 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX015929.D
 Acq: 24 Apr 2020 12:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	205.2





#45

1,2-Dichloropropane

Concen: 158.131 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 63 Resp: 280569

Ion Ratio Lower Upper

63 100

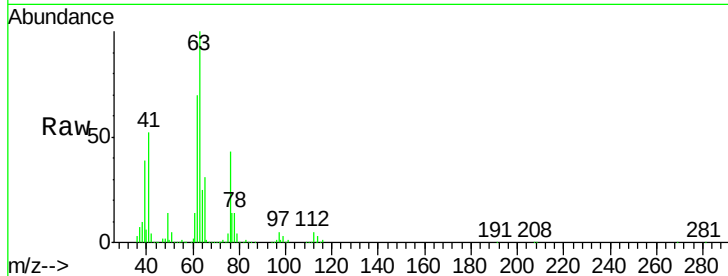
65 31.0 24.3 36.5

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.49

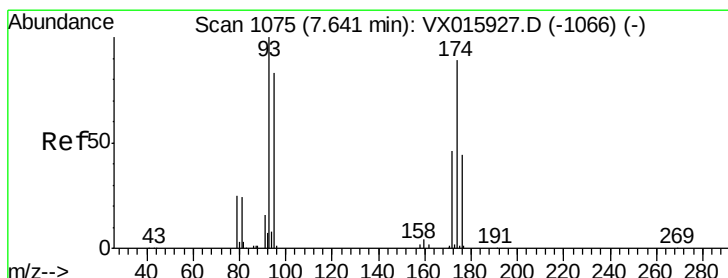
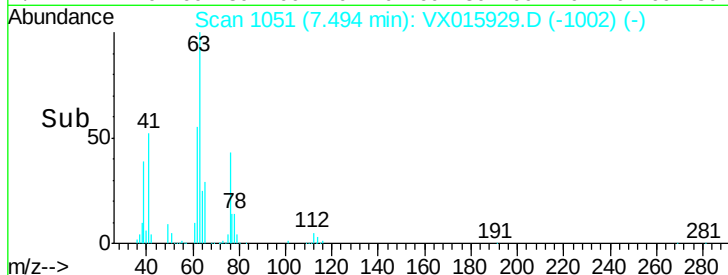
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 155.857 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

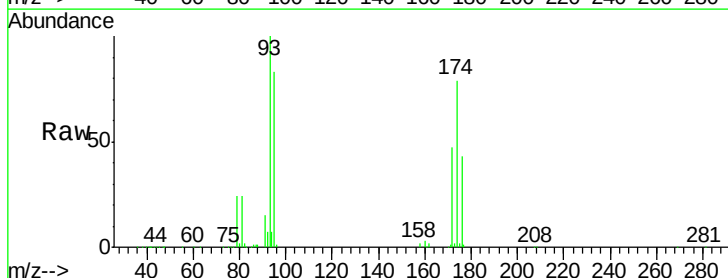
Tgt Ion: 93 Resp: 185235

Ion Ratio Lower Upper

93 100

95 83.9 65.7 98.5

174 86.8 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

120000

100000

80000

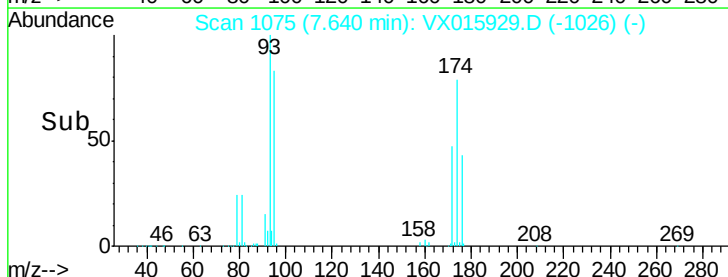
60000

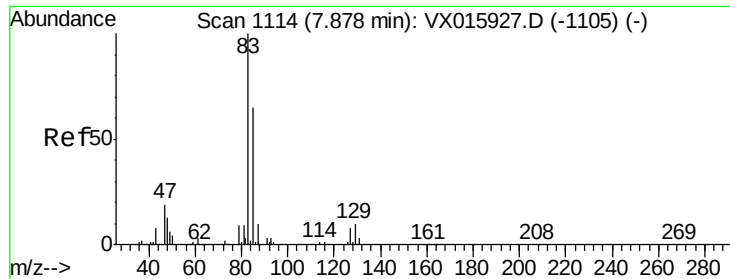
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 163.998 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

Instrument :

MSVOA_X

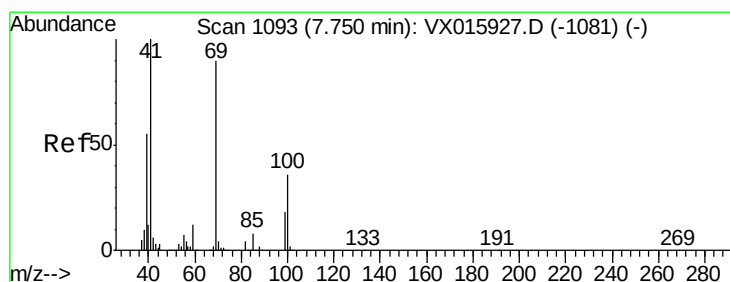
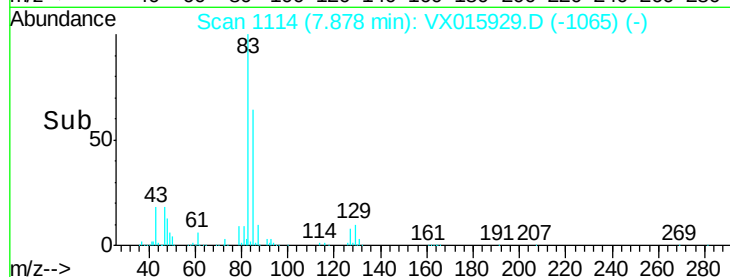
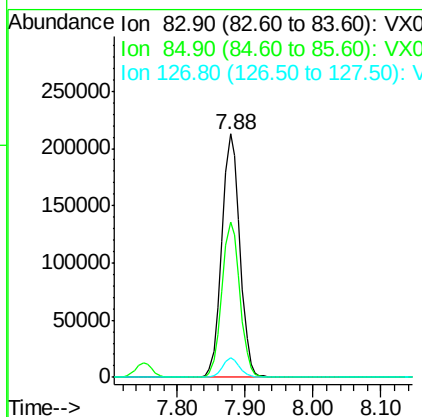
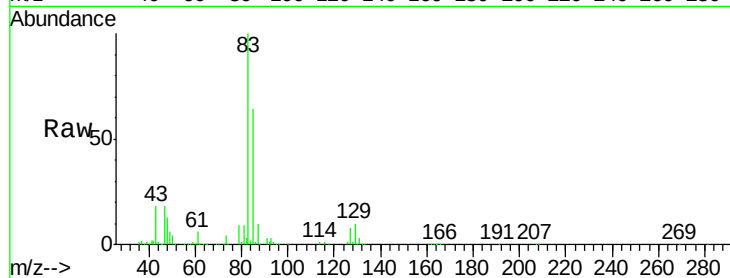
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	390710
Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.6	77.4
127	7.9	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 162.017 ug/l

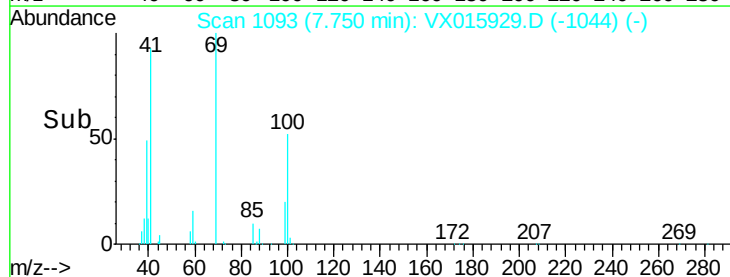
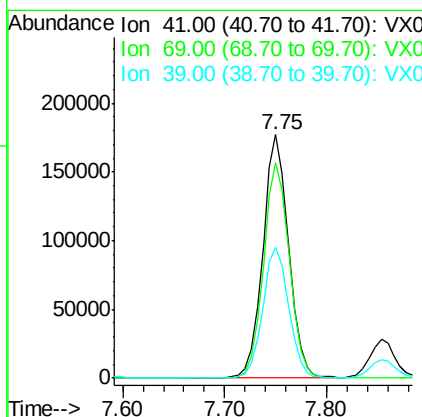
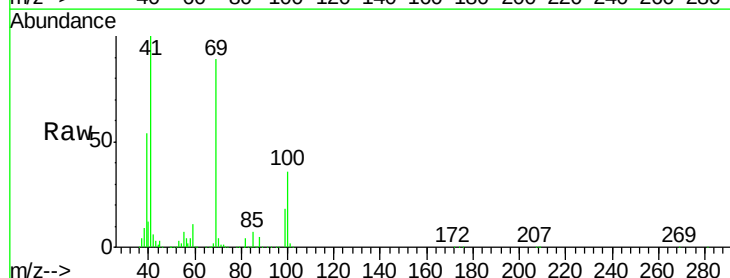
RT: 7.75 min Scan# 1093

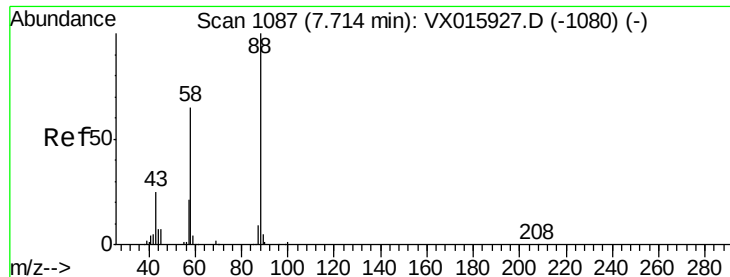
Delta R.T. -0.00 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

Tgt Ion:	41	Resp:	309142
Ion	Ratio	Lower	Upper
41	100		
69	89.6	72.0	108.0
39	54.6	44.1	66.1





#49

1,4-Dioxane

Concen: 3439.361 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

Instrument :

MSVOA_X

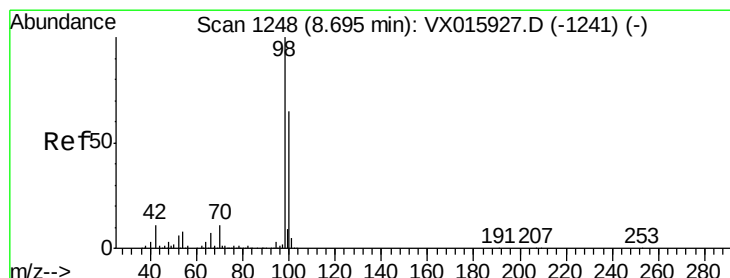
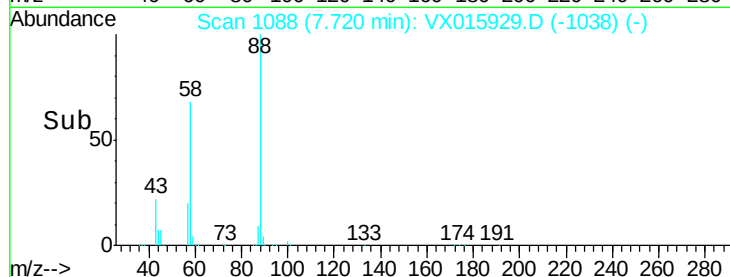
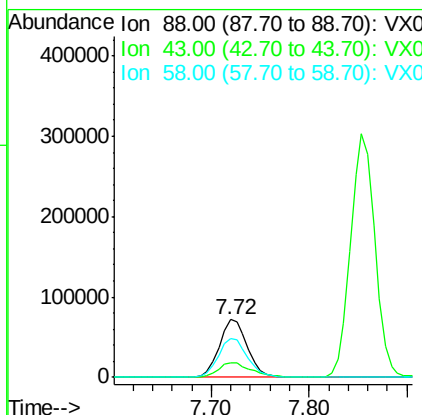
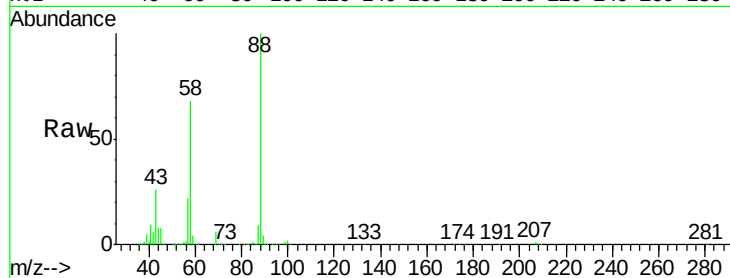
ClientSampleId :

VSTDICC150

Tot Ion:	88	Resp:	142630
Ion	Ratio	Lower	Upper
88	100		
43	30.0	23.8	35.8
58	69.9	55.7	83.5

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#50

Toluene-d8

Concen: 161.331 ug/l

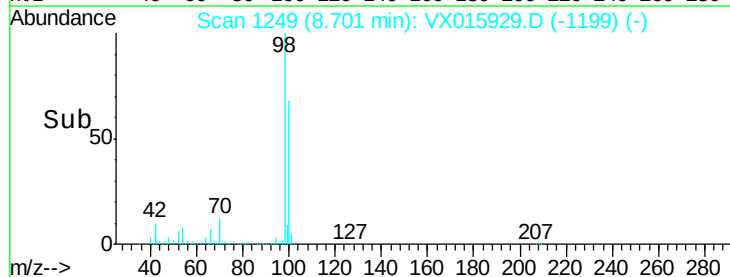
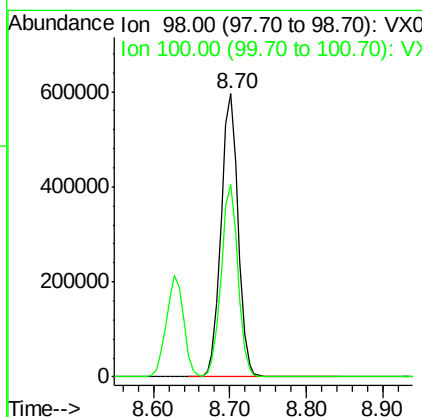
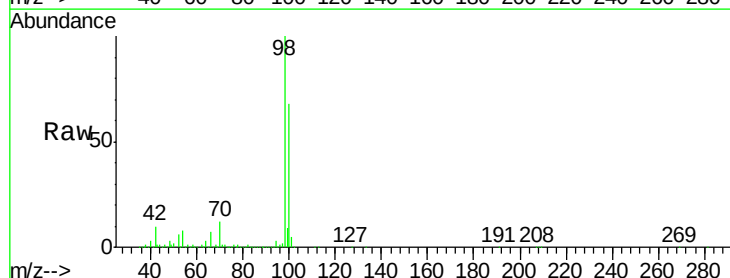
RT: 8.70 min Scan# 1249

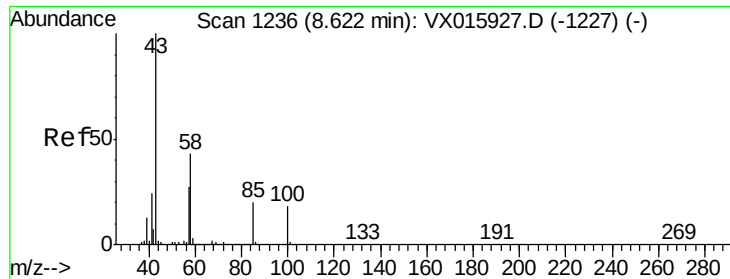
Delta R.T. 0.01 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

Tgt Ion:	98	Resp:	918583
Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.0	79.4





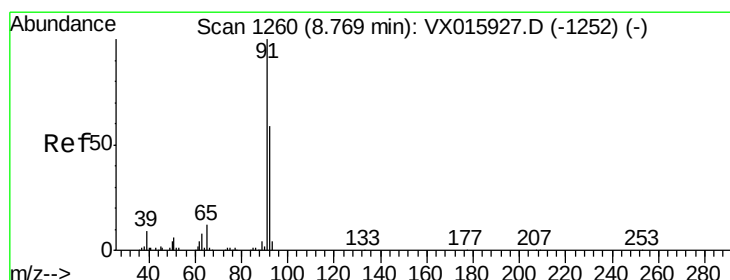
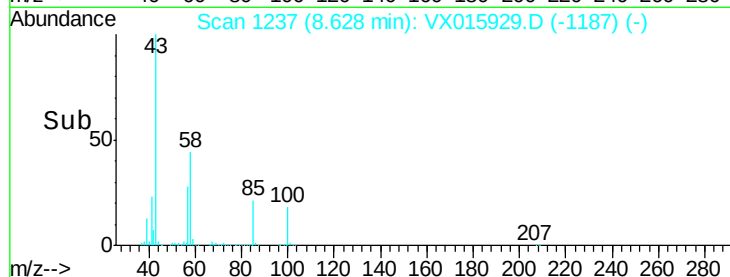
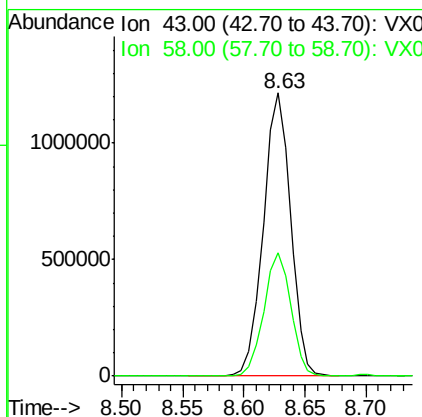
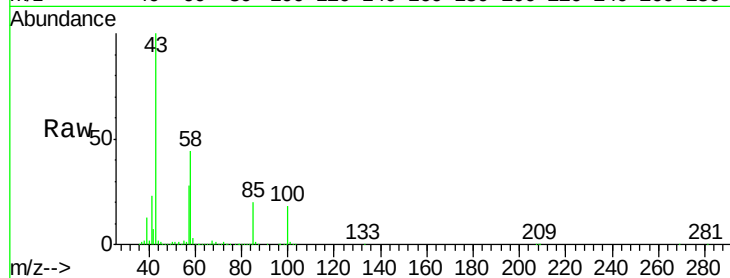
#51
4-Methyl-2-Pentanone
Concen: 845.353 ug/l
RT: 8.63 min Scan# 1237
Delta R.T. 0.01 min
Lab File: VX015929.D
Acq: 24 Apr 2020 12:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1891874
Ion Ratio Lower Upper
43 100
58 43.3 34.2 51.4

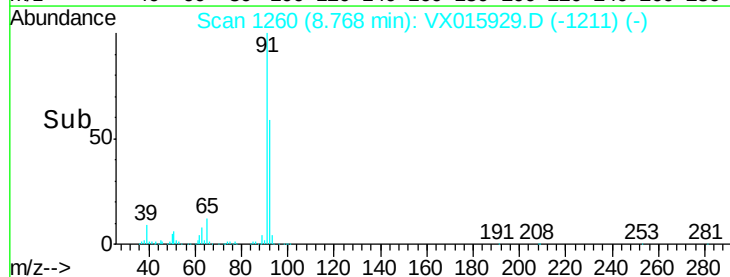
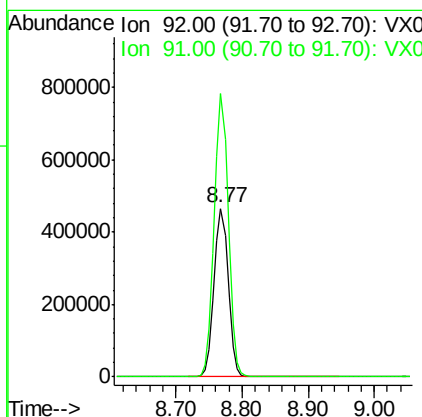
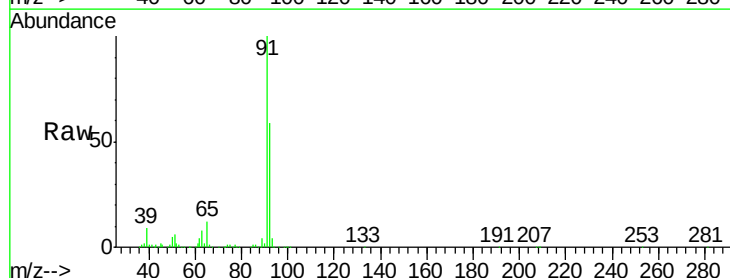
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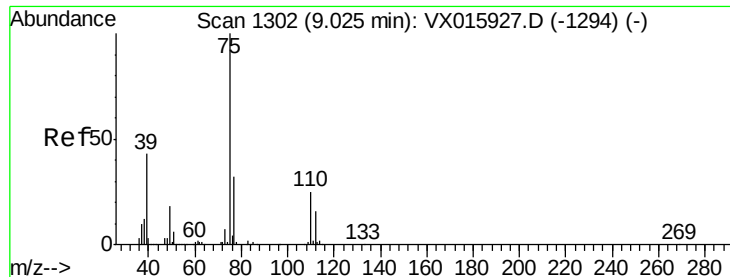
MMDadoda
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#52
Toluene
Concen: 157.193 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VX015929.D
Acq: 24 Apr 2020 12:58

Tgt Ion: 92 Resp: 692053
Ion Ratio Lower Upper
92 100
91 166.2 134.0 201.0





#53

t-1,3-Dichloropropene

Concen: 163.189 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 470147

Ion Ratio Lower Upper

75 100

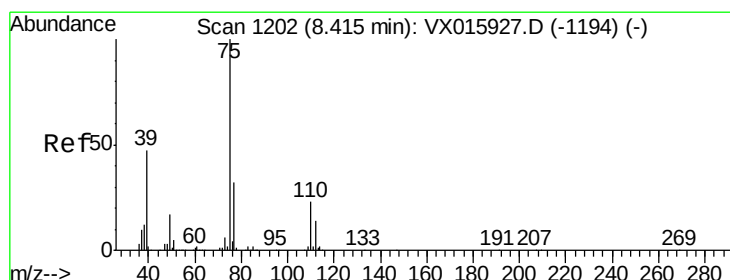
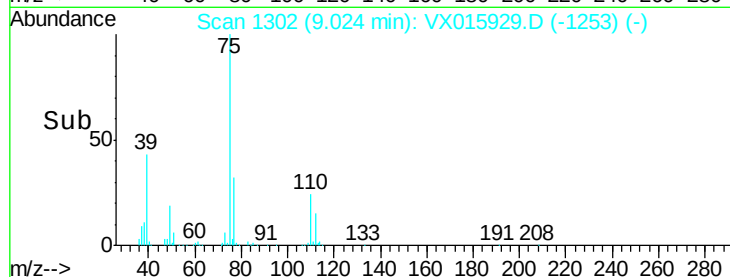
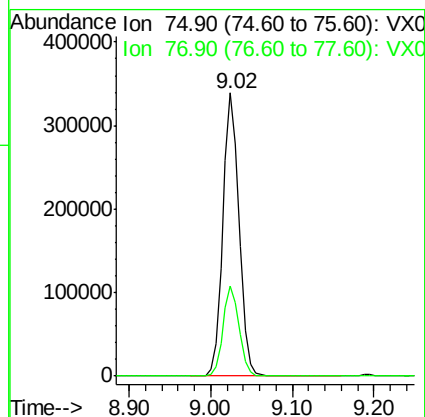
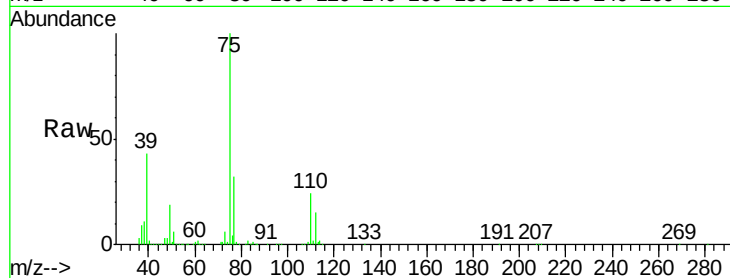
77 31.8 25.9 38.9

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#54

cis-1,3-Dichloropropene

Concen: 163.279 ug/l

RT: 8.42 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

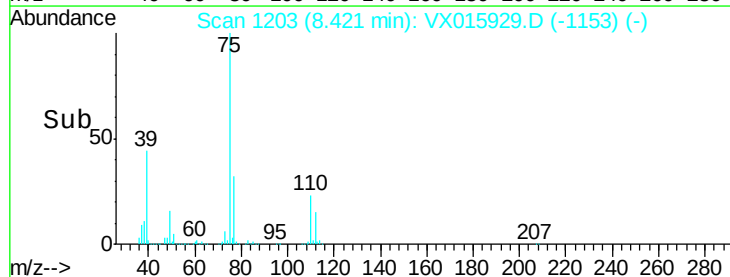
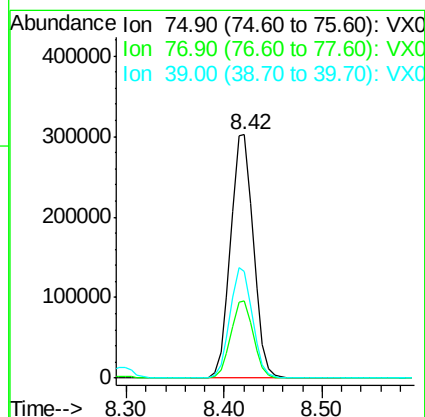
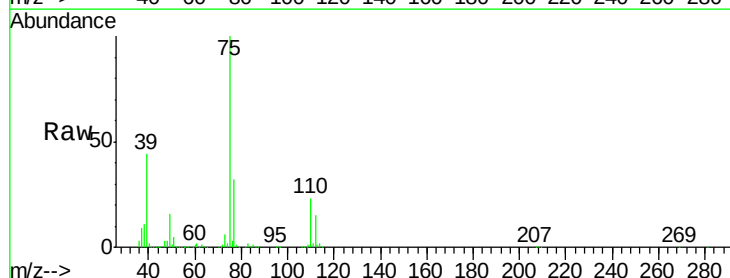
Tgt Ion: 75 Resp: 491720

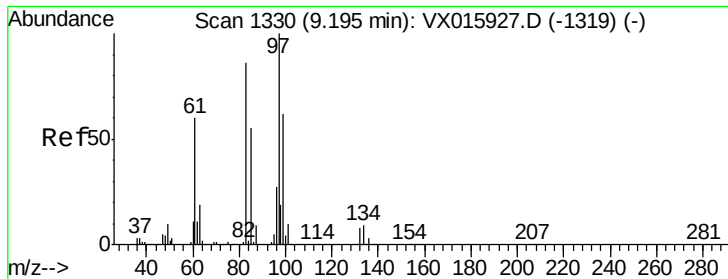
Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.8

39 43.6 37.2 55.8





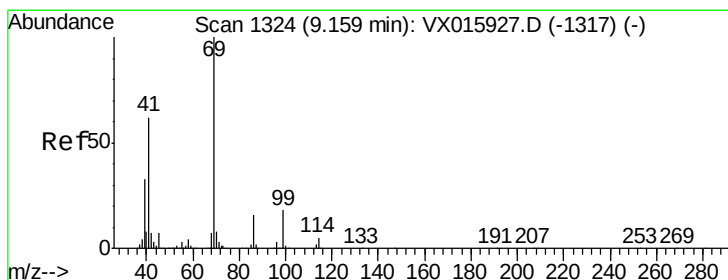
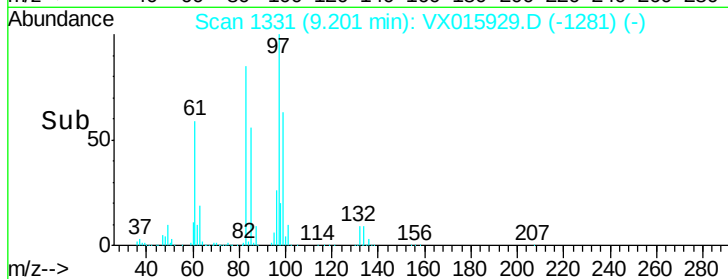
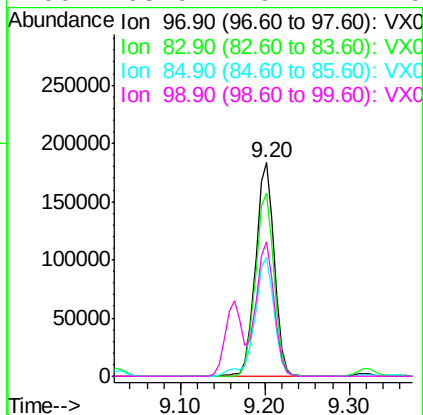
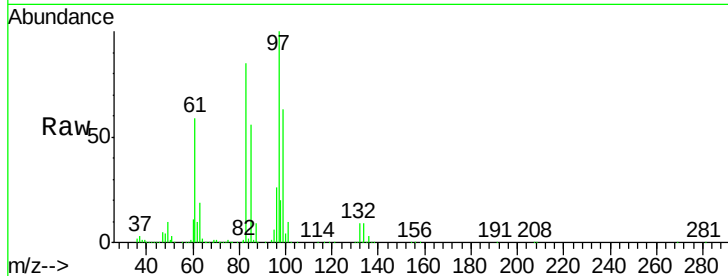
#55
 1,1,2-Trichloroethane
 Concen: 156.358 ug/l
 RT: 9.20 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: VX015929.D
 Acq: 24 Apr 2020 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	275659
Ion	Ratio	Lower	Upper
97	100		
83	85.4	68.6	103.0
85	56.0	44.0	66.0
99	63.0	49.7	74.5

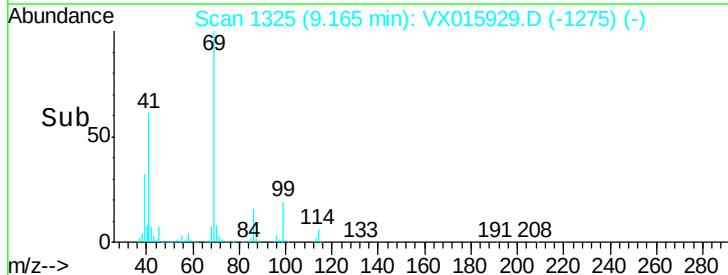
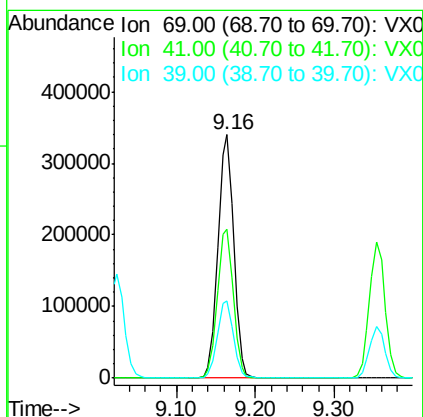
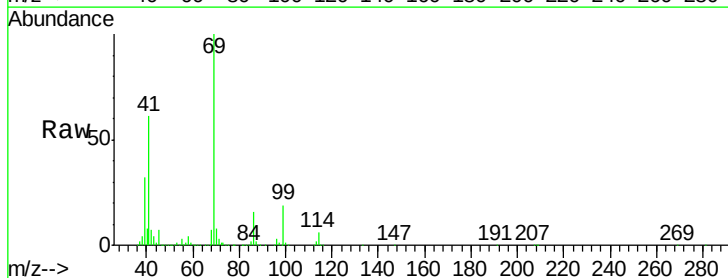
Manual Integrations
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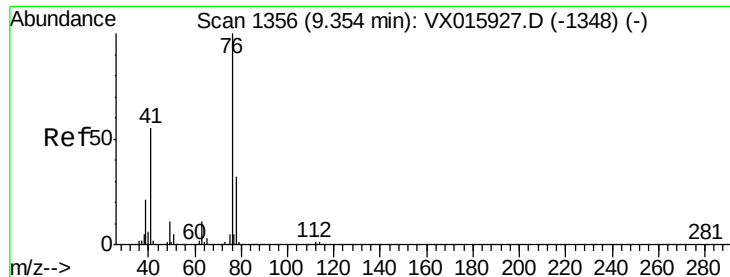
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#56
 Ethyl methacrylate
 Concen: 173.634 ug/l
 RT: 9.16 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VX015929.D
 Acq: 24 Apr 2020 12:58

Tgt Ion:	69	Resp:	477122
Ion	Ratio	Lower	Upper
69	100		
41	61.9	49.2	73.8
39	32.3	26.0	39.0





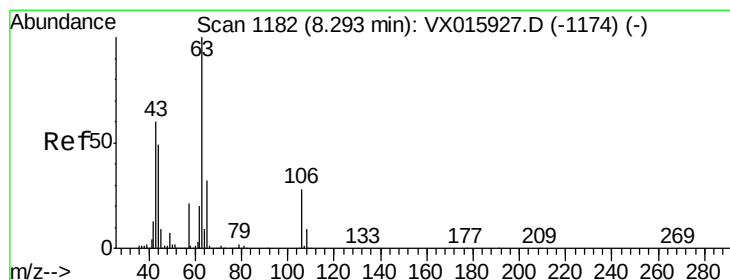
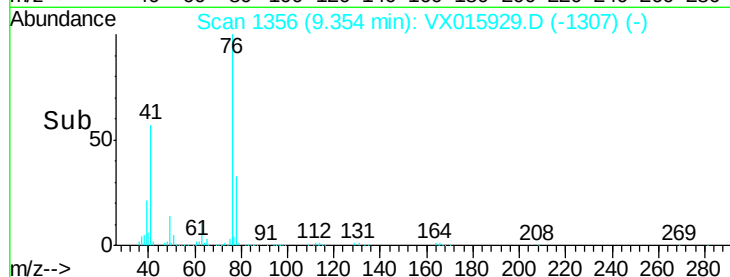
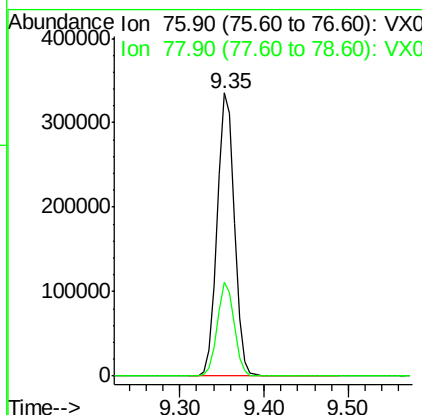
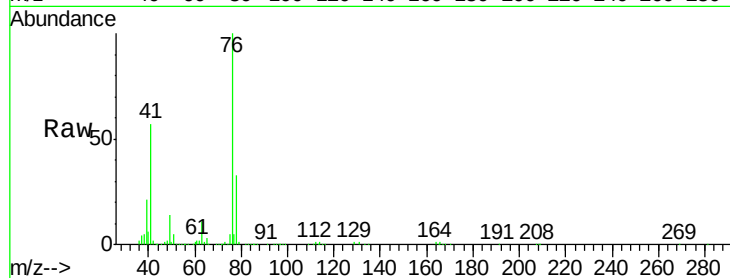
#57
 1,3-Dichloropropane
 Concen: 159.789 ug/l
 RT: 9.35 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VX015929.D
 Acq: 24 Apr 2020 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.6	38.4

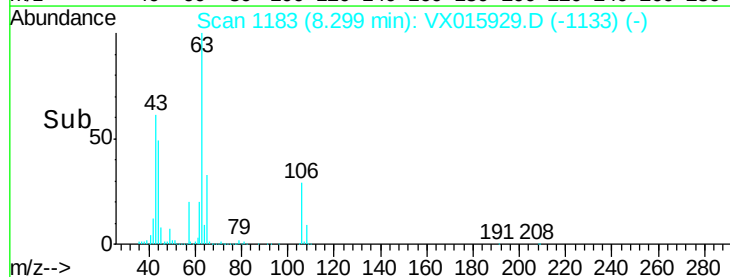
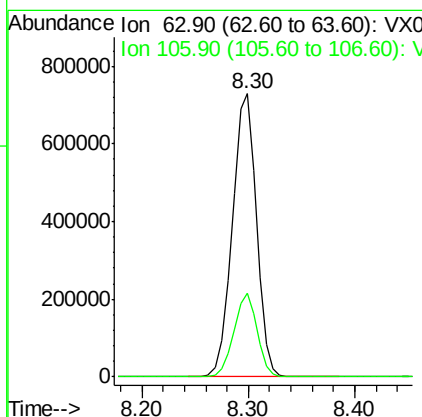
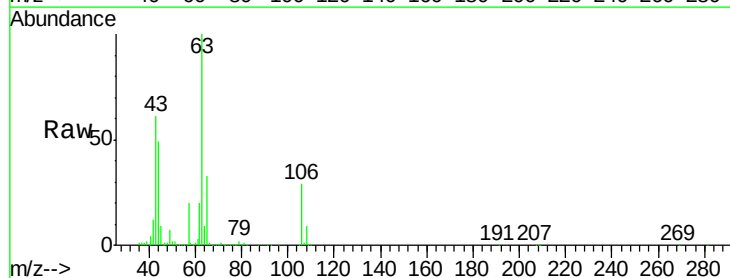
Manual Integrations
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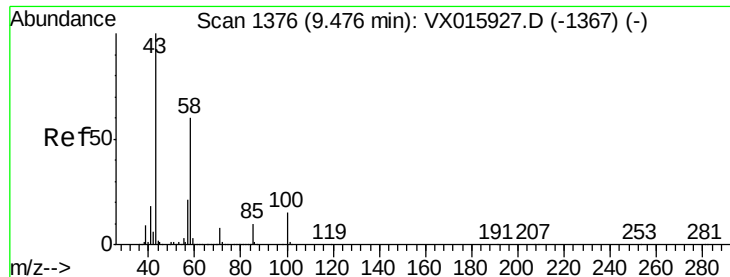
MMDadoda
 4/27/2020 12:39:57 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 848.171 ug/l
 RT: 8.30 min Scan# 1183
 Delta R.T. 0.01 min
 Lab File: VX015929.D
 Acq: 24 Apr 2020 12:58

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.7	23.0	34.6





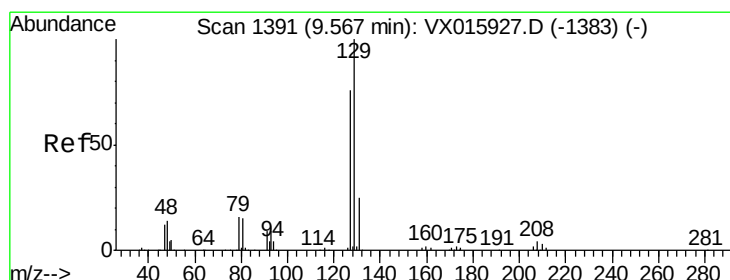
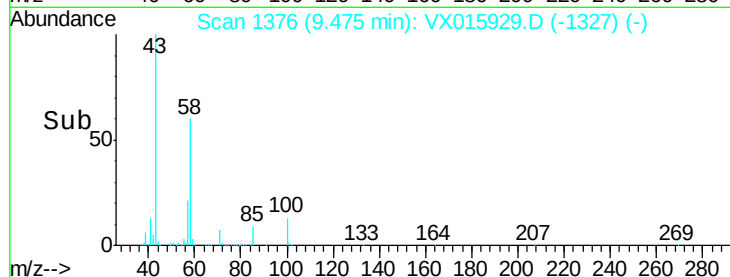
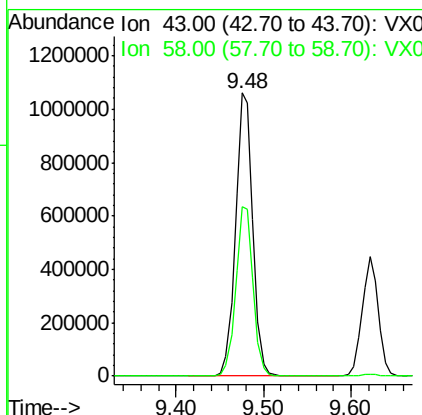
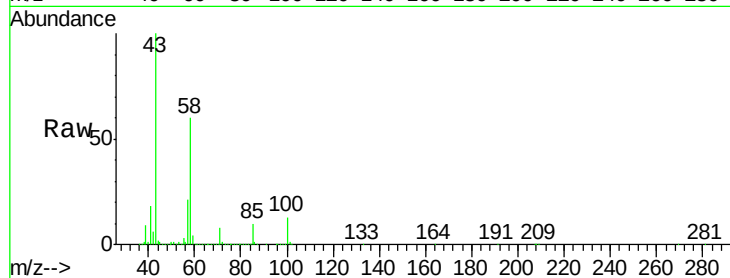
#59
2-Hexanone
Concen: 868.449 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX015929.D
Acq: 24 Apr 2020 12:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1460185
Ion Ratio Lower Upper
43 100
58 60.1 29.7 89.1

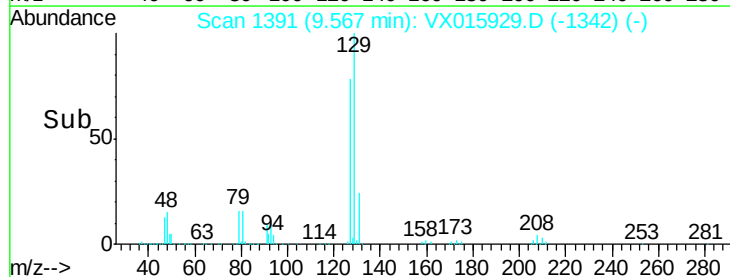
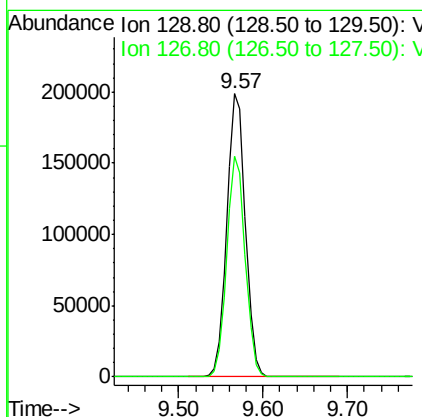
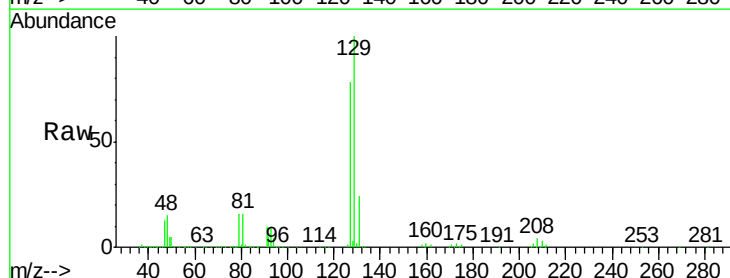
Manual Integrations
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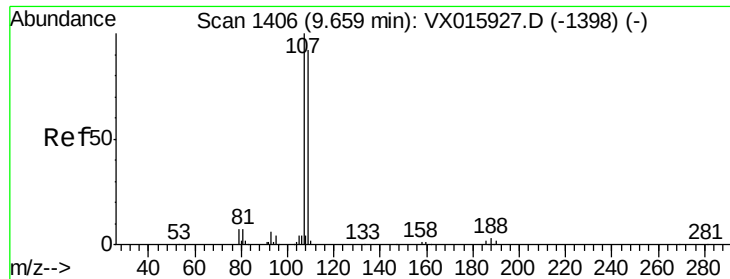
MMDadoda
4/27/2020 12:39:57 PM



#60
Dibromochloromethane
Concen: 176.355 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX015929.D
Acq: 24 Apr 2020 12:58

Tgt Ion: 129 Resp: 297364
Ion Ratio Lower Upper
129 100
127 77.5 38.8 116.3





#61

1,2-Dibromoethane

Concen: 161.339 ug/l

RT: 9.66 min Scan# 1406

Delta R.T. -0.00 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 291437

Ion Ratio Lower Upper

107 100

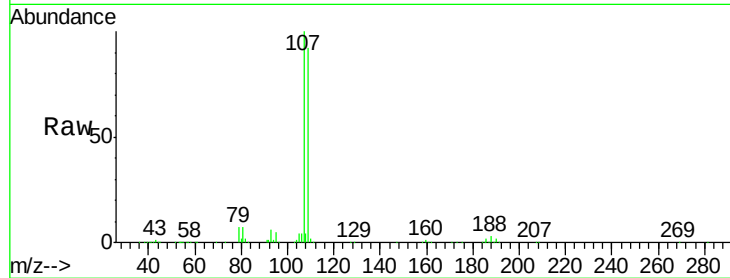
109 93.1 75.1 112.7

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.66

250000

200000

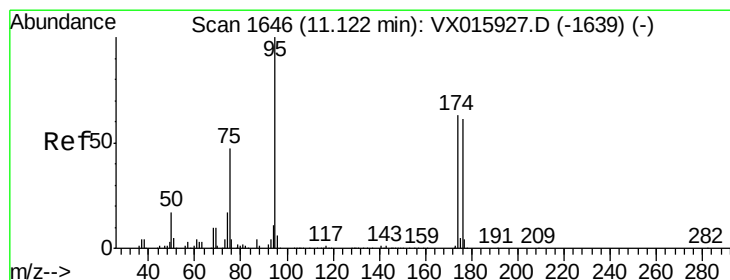
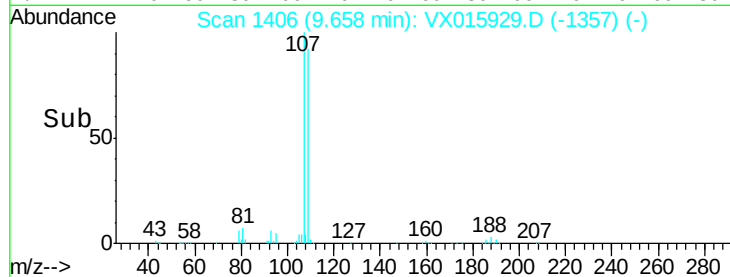
150000

100000

50000

0

Time--> 9.55 9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 160.024 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

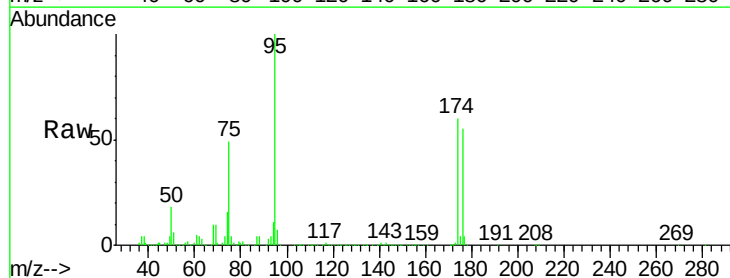
Tgt Ion: 95 Resp: 386746

Ion Ratio Lower Upper

95 100

174 64.9 0.0 133.6

176 62.6 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

400000

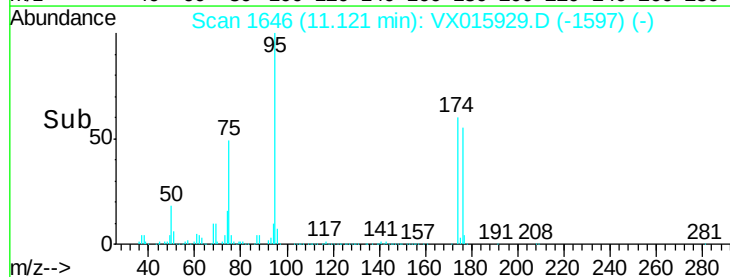
300000

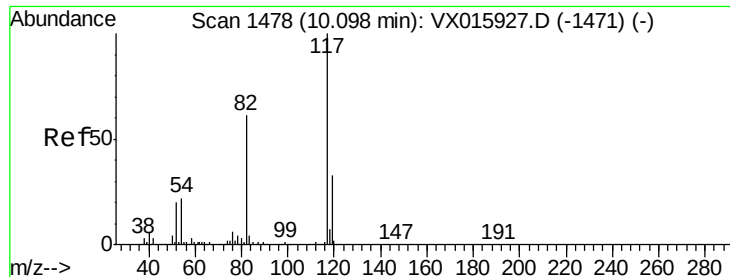
200000

100000

0

Time--> 11.10 11.20





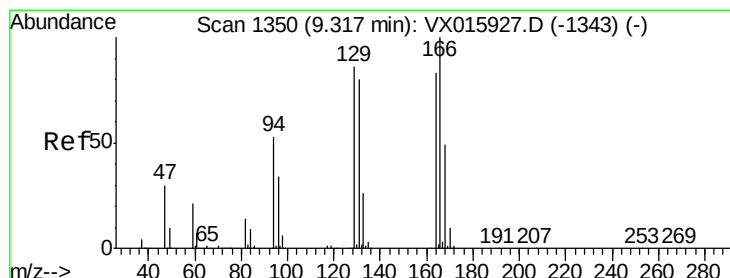
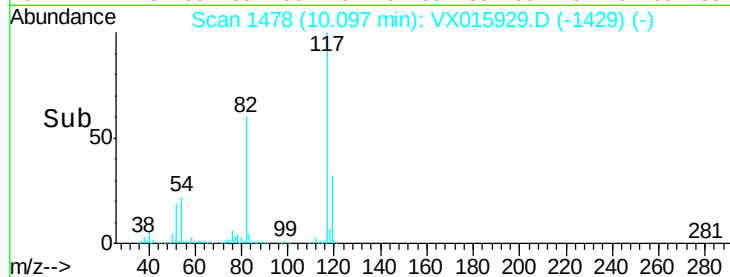
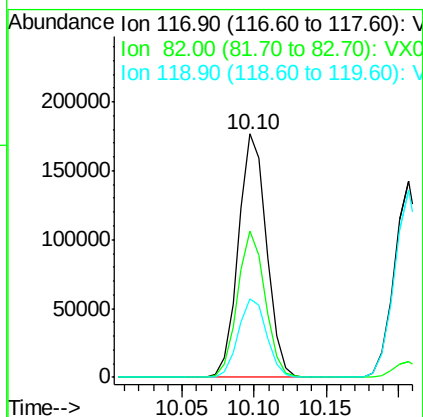
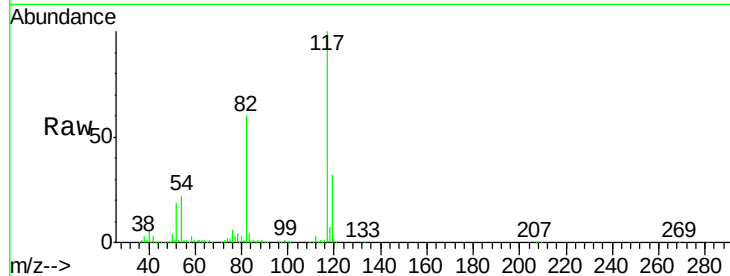
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX015929.D
Acq: 24 Apr 2020 12:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	240025		
82	59.9		48.5	72.7
119	32.1		26.2	39.4

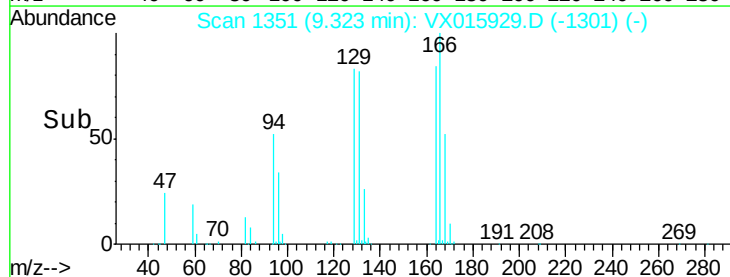
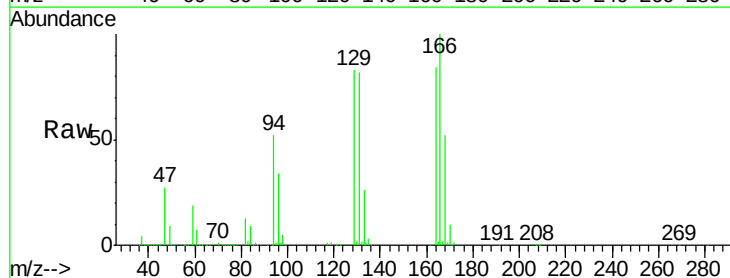
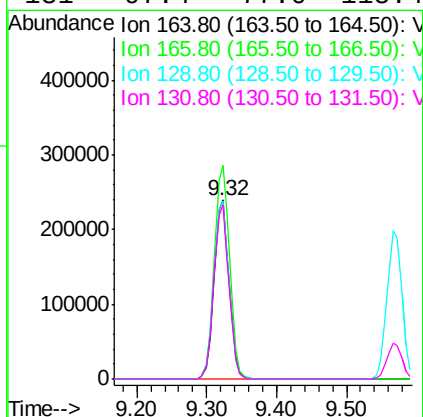
Manual Integrations
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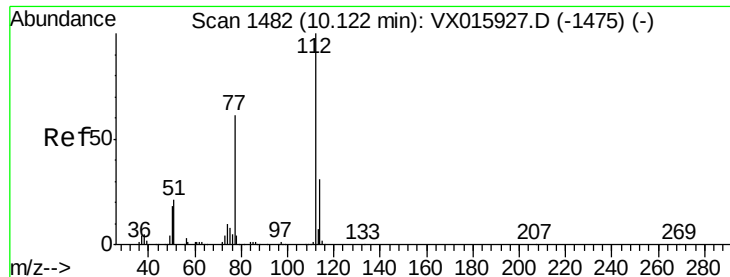
MMDadoda
4/27/2020 12:39:57 PM



#64
Tetrachloroethene
Concen: 149.000 ug/l
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX015929.D
Acq: 24 Apr 2020 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	355142		
166	119.4		96.7	145.1
129	99.5		82.8	124.2
131	97.4		77.0	115.4





#65

Chlorobenzene

Concen: 157.438 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 735338

Ion Ratio Lower Upper

112 100

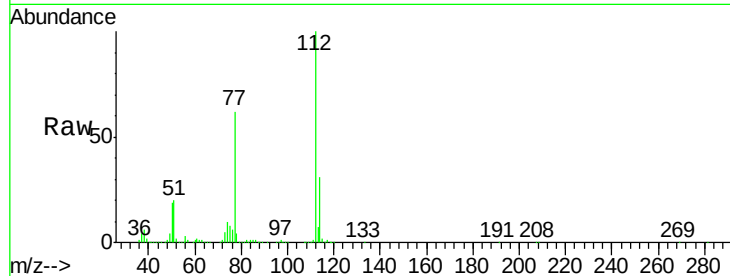
114 31.3 25.2 37.8

Manual Integrations

APPROVED

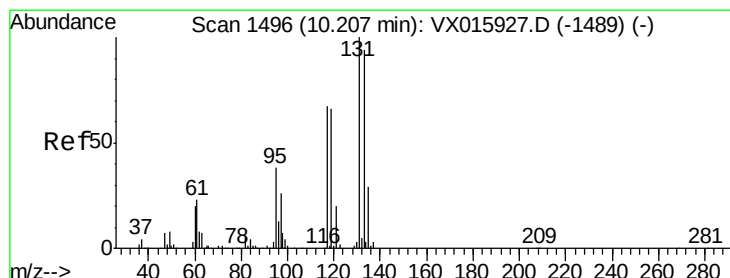
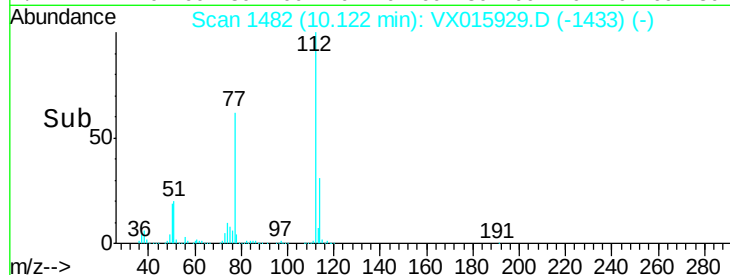
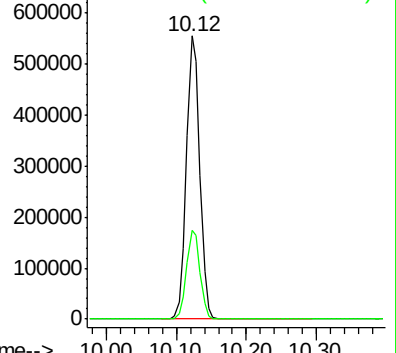
MMDadoda

4/27/2020 12:39:57 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 163.049 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

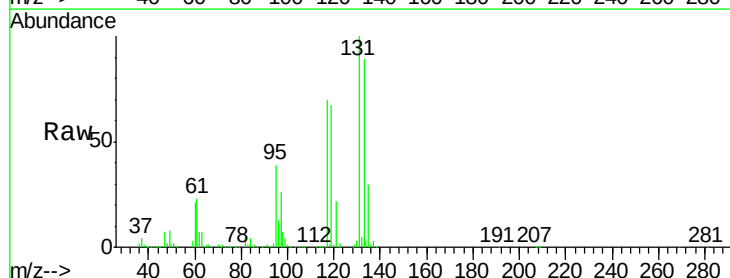
Tgt Ion:131 Resp: 266997

Ion Ratio Lower Upper

131 100

133 94.0 46.7 140.0

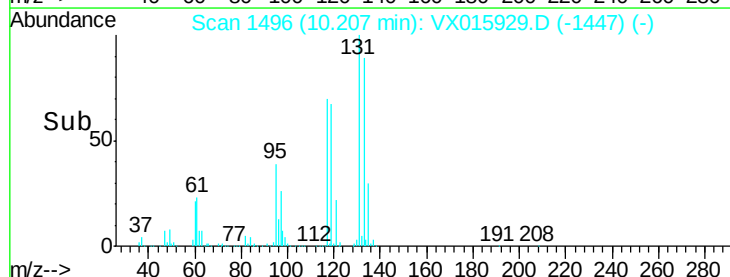
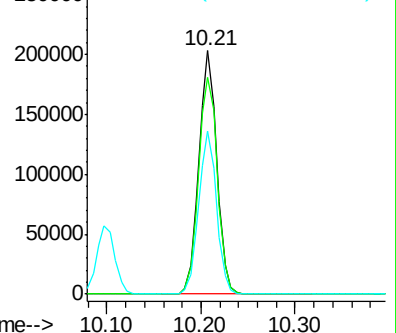
119 66.9 33.7 101.0

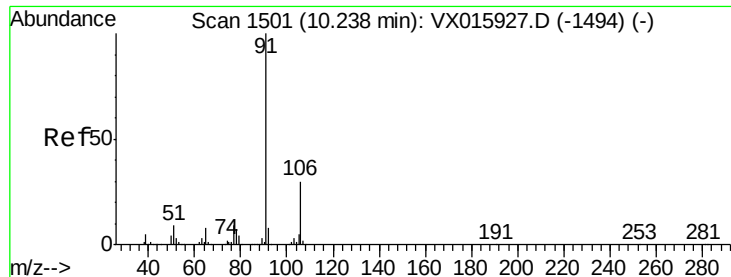


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





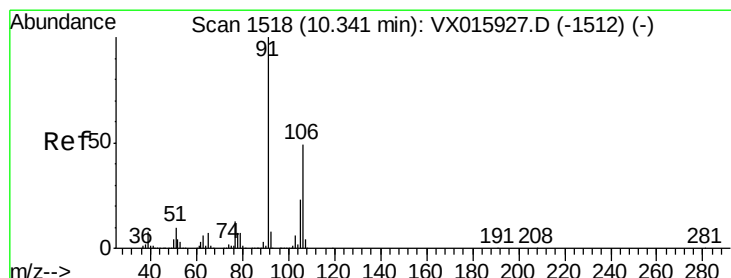
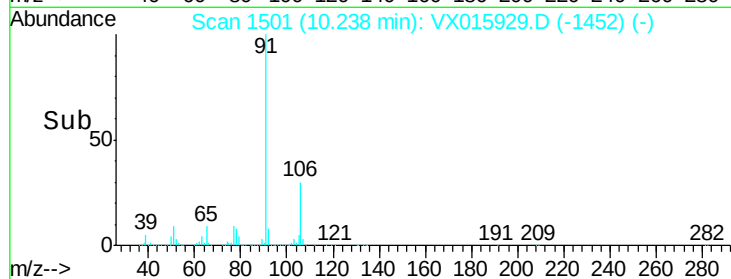
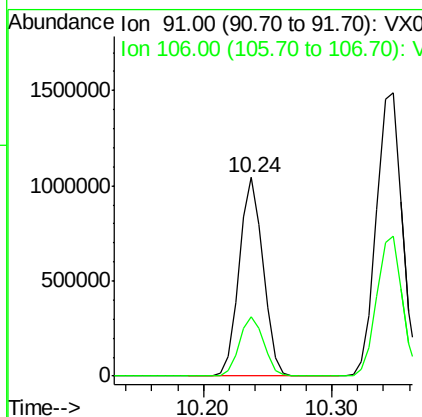
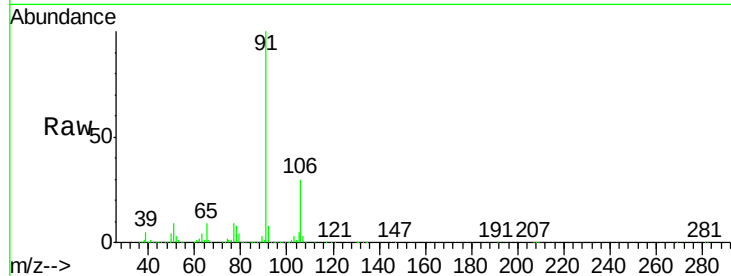
#67
Ethyl Benzene
Concen: 155.271 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX015929.D
Acq: 24 Apr 2020 12:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1342132
Ion Ratio Lower Upper
91 100
106 30.0 24.2 36.4

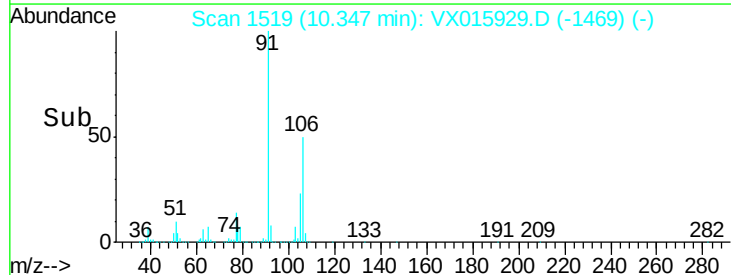
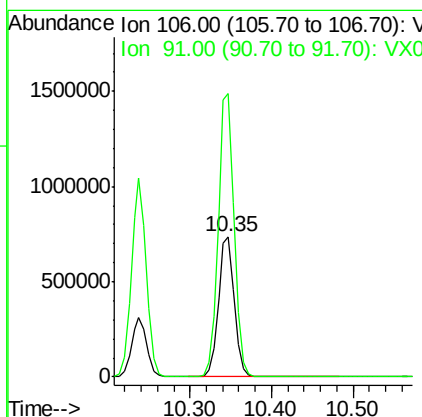
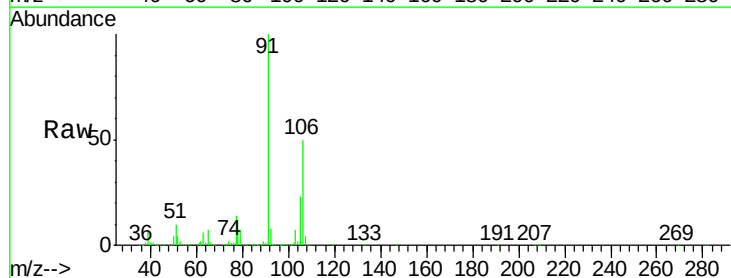
Manual Integrations
APPROVED

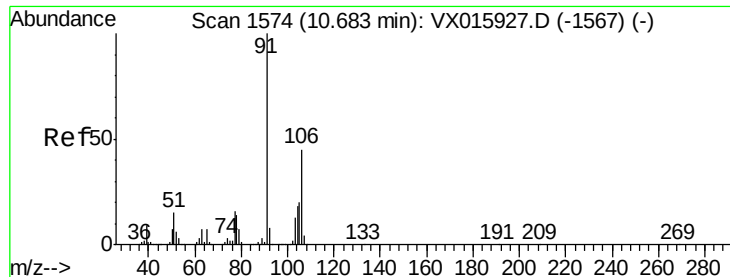
MMDadoda
4/27/2020 12:39:57 PM



#68
m/p-Xylenes
Concen: 317.646 ug/l
RT: 10.35 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VX015929.D
Acq: 24 Apr 2020 12:58

Tgt Ion: 106 Resp: 999188
Ion Ratio Lower Upper
106 100
91 204.9 164.9 247.3





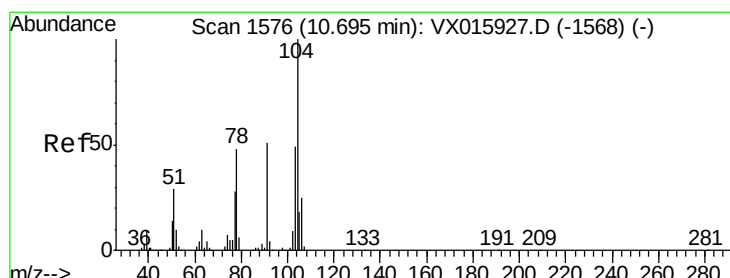
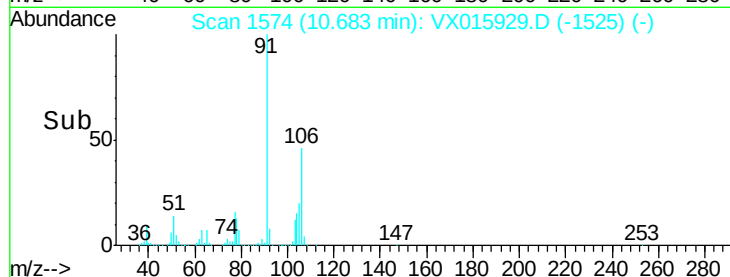
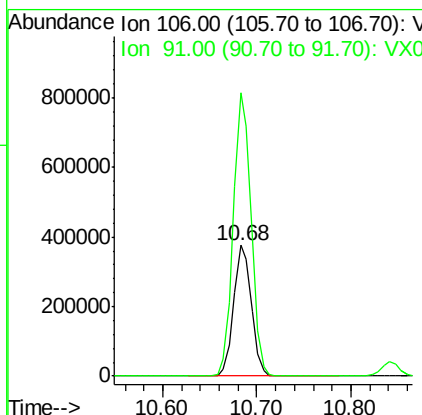
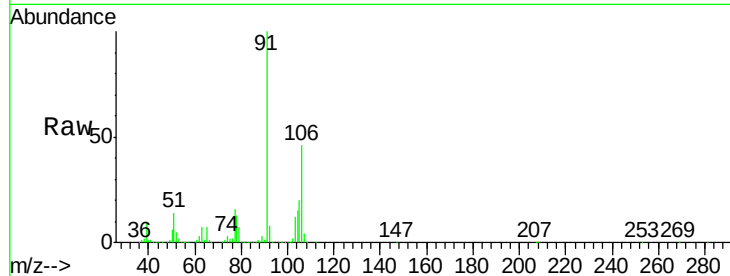
#69
o-Xylene
Concen: 159.469 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX015929.D
Acq: 24 Apr 2020 12:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		488725		
91	217.6	108.6	325.8		

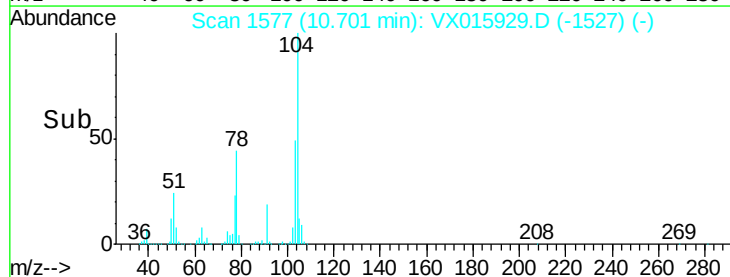
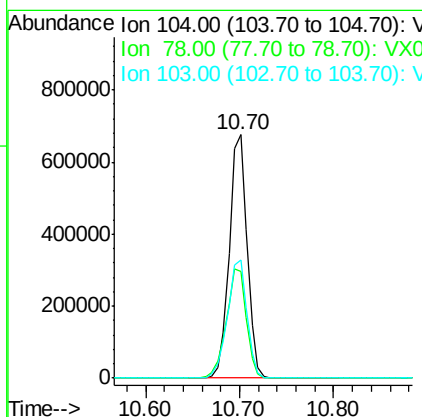
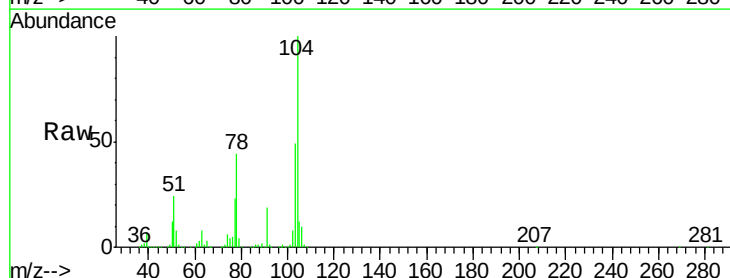
Manual Integrations
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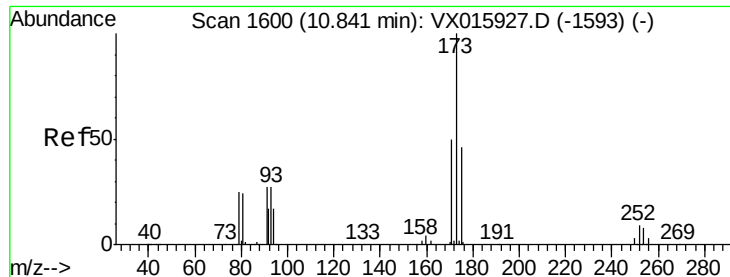
MMDadoda
4/27/2020 12:39:57 PM



#70
Styrene
Concen: 171.773 ug/l
RT: 10.70 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VX015929.D
Acq: 24 Apr 2020 12:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		887594		
78	50.5	40.5	60.7		
103	53.0	42.7	64.1		





#71

Bromoform

Concen: 192.659 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

Instrument :

MSVOA_X

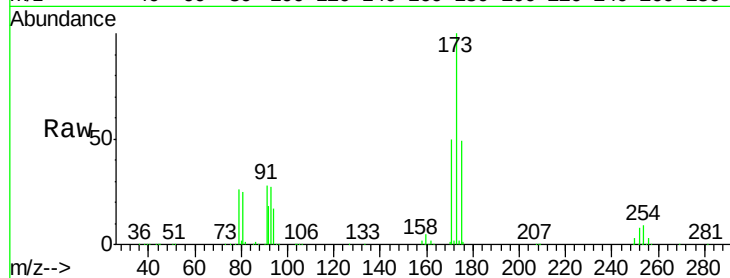
ClientSampleId :

VSTDIC150

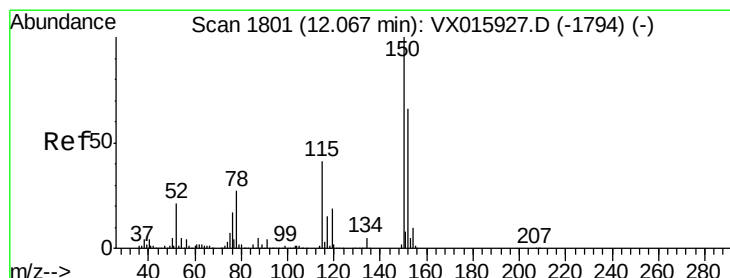
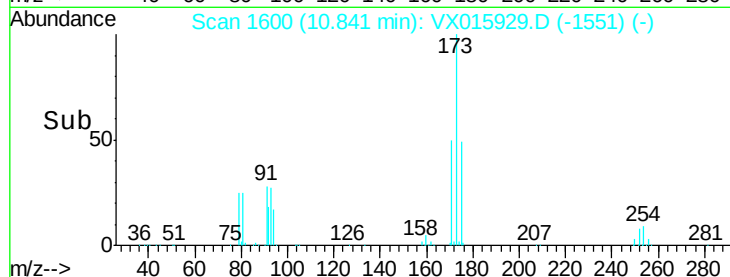
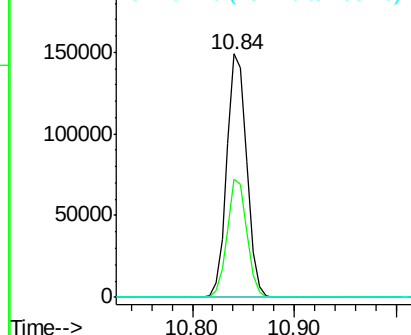
Tot Ion:	173	Resp:	200842
Ion Ratio	Lower	Upper	
173	100		
175	47.8	23.2	69.5
254	0.1	0.1	0.1

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

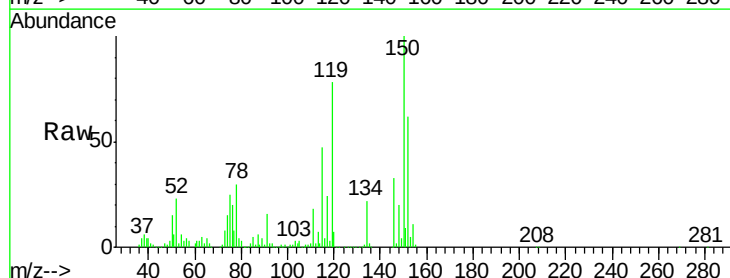
RT: 12.07 min Scan# 1801

Delta R.T. -0.00 min

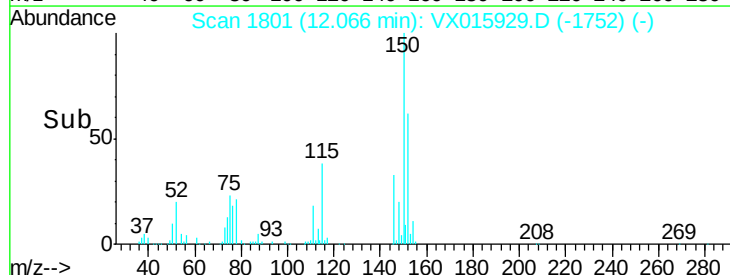
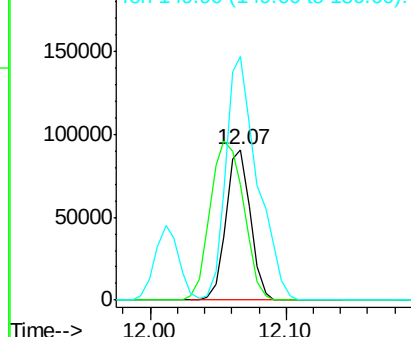
Lab File: VX015929.D

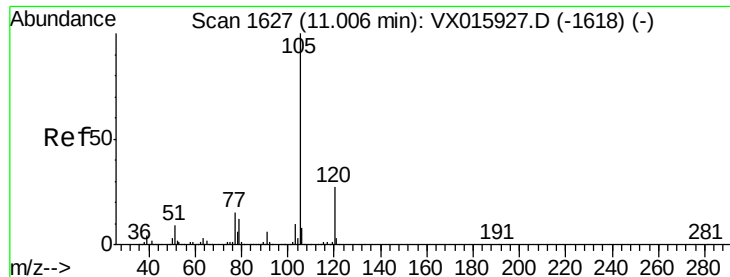
Acq: 24 Apr 2020 12:58

Tgt Ion:	152	Resp:	112575
Ion Ratio	Lower	Upper	
152	100		
115	145.3	44.1	132.4#
150	210.7	0.0	343.6



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





#73

Isopropylbenzene

Concen: 156.965 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1293026

Ion Ratio Lower Upper

105 100

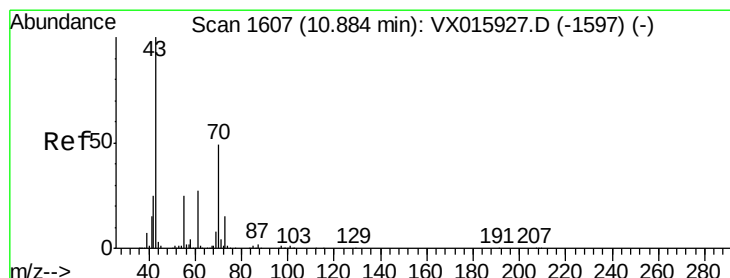
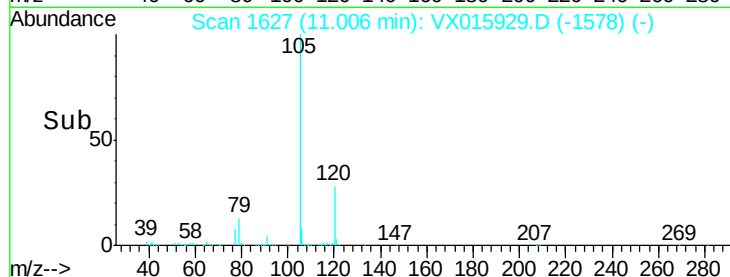
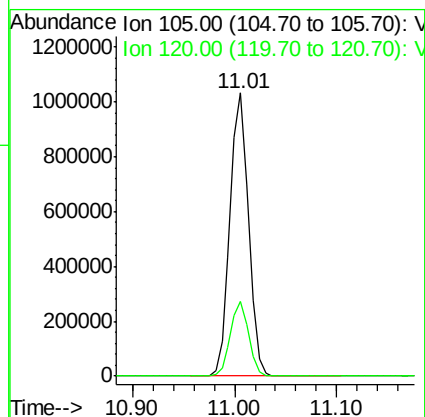
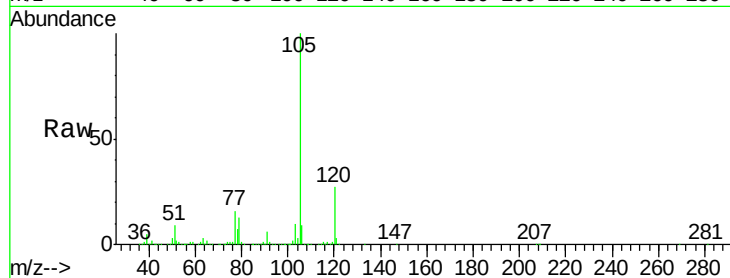
120 26.1 13.1 39.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 167.863 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. -0.00 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

Tgt Ion: 43 Resp: 586720

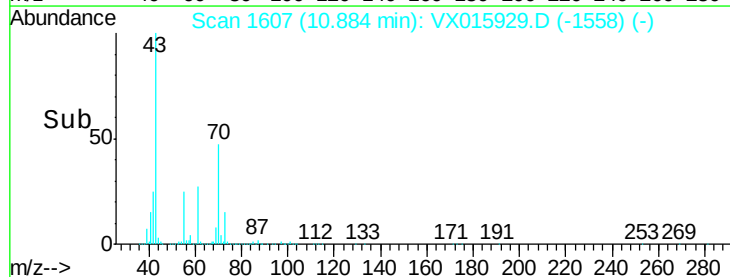
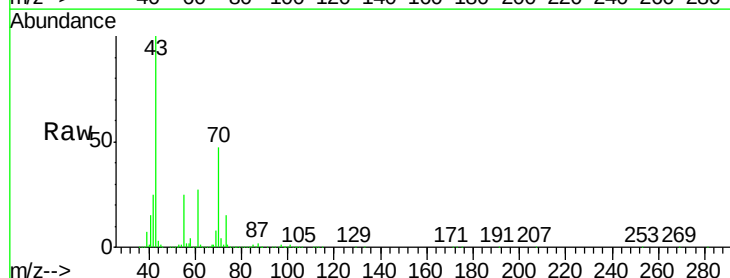
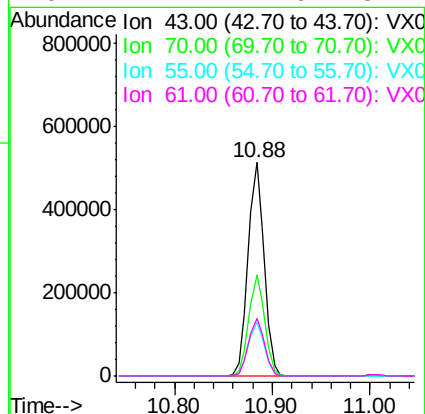
Ion Ratio Lower Upper

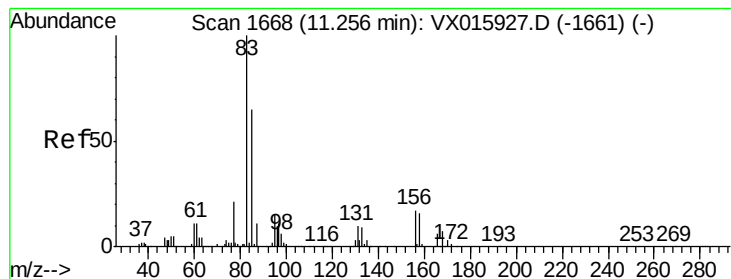
43 100

70 47.1 37.8 56.6

55 25.1 20.2 30.2

61 27.1 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 176.726 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 316975
Ion Ratio Lower Upper

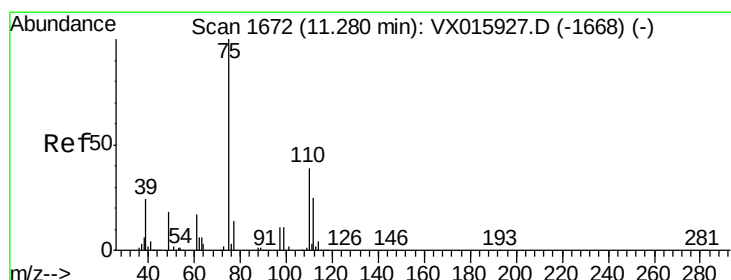
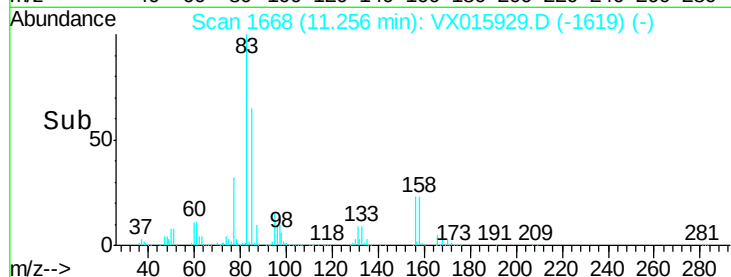
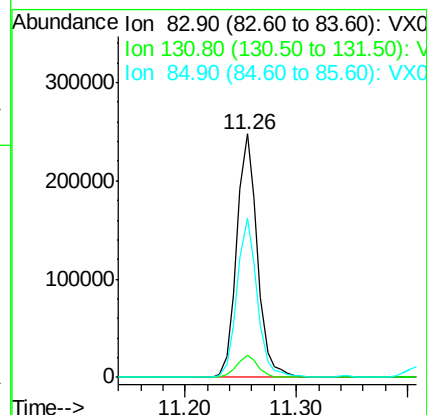
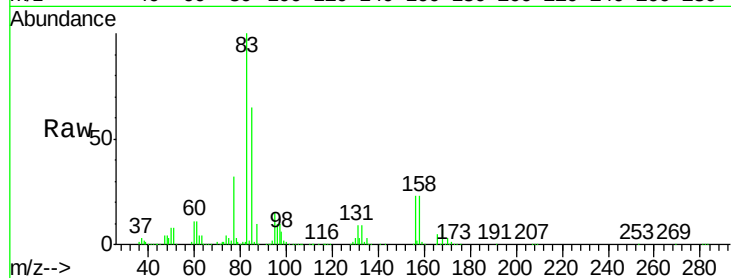
83 100

131 9.3 4.9 14.6

85 64.2 32.1 96.3

Manual Integrations
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4/27/2020 12:39:57 PM



#76

1,2,3-Trichloropropane

Concen: 126.989 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

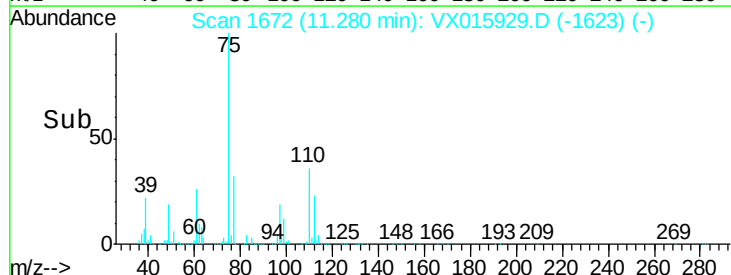
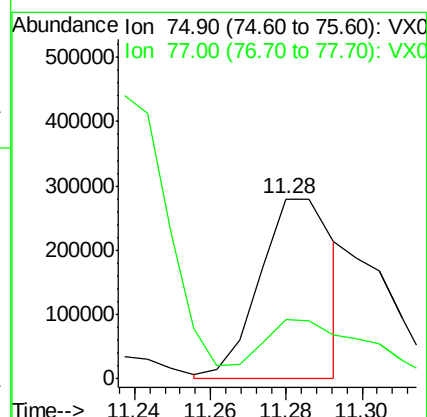
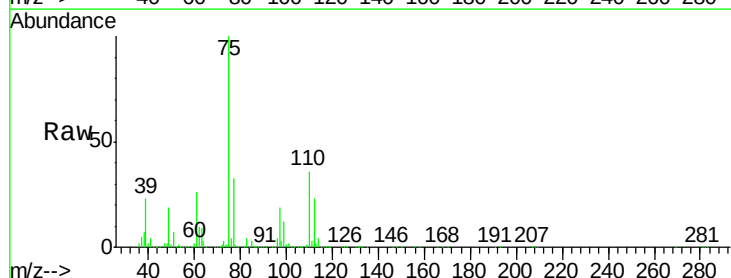
Lab File: VX015929.D

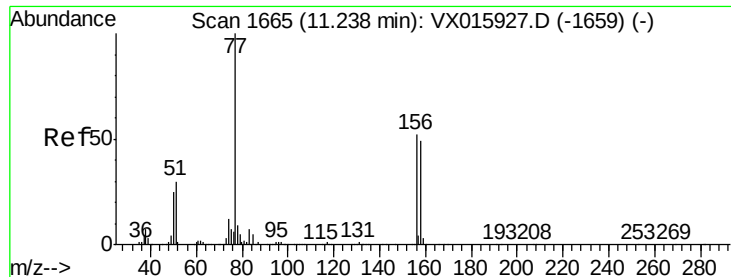
Acq: 24 Apr 2020 12:58

Tgt Ion: 75 Resp: 373803
Ion Ratio Lower Upper

75 100

77 47.4 22.1 66.5





#77

Bromobenzene

Concen: 163.828 ug/l

RT: 11.24 min Scan# 1666

Delta R.T. 0.01 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

Instrument :

MSVOA_X

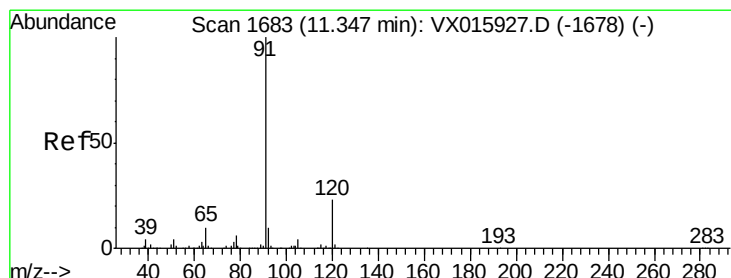
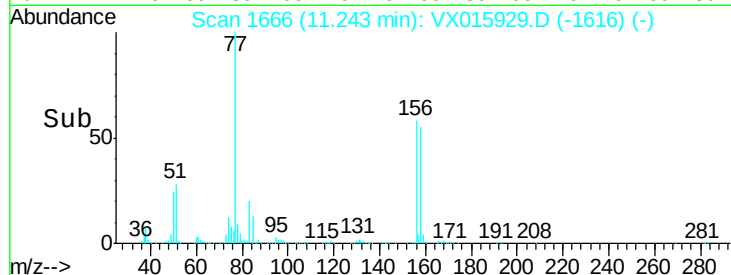
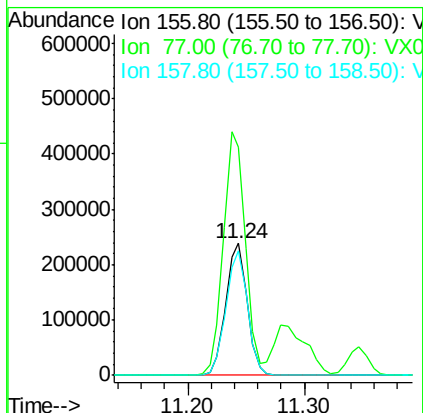
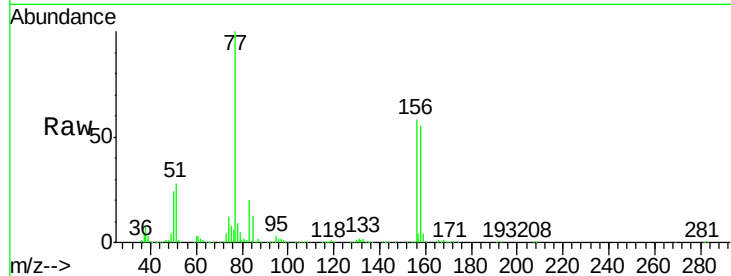
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	302869
Ion Ratio	Lower	Upper	
156	100		
77	188.6	94.0	281.9
158	95.2	48.6	145.9

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#78

n-propylbenzene

Concen: 159.646 ug/l

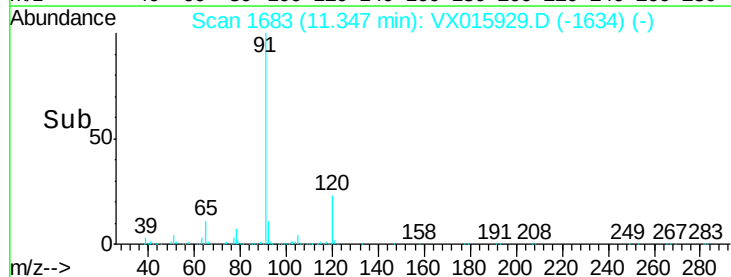
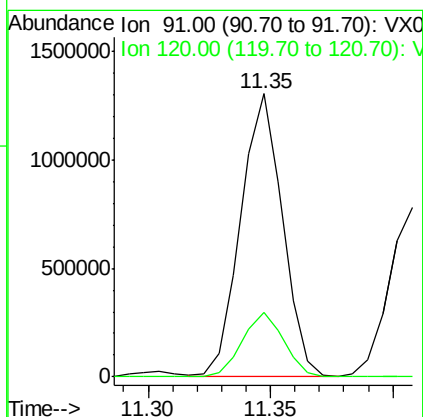
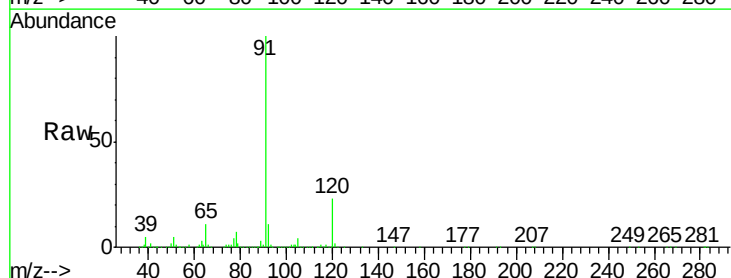
RT: 11.35 min Scan# 1683

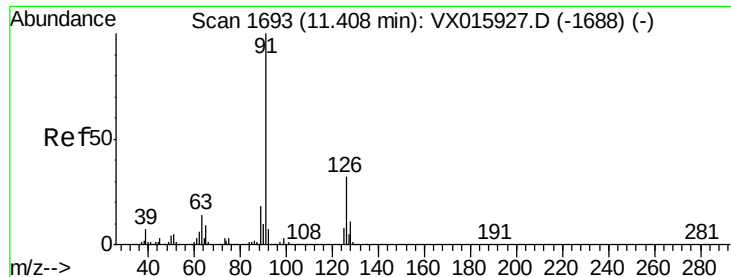
Delta R.T. -0.00 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

Tgt Ion:	91	Resp:	1546394
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.2	33.6





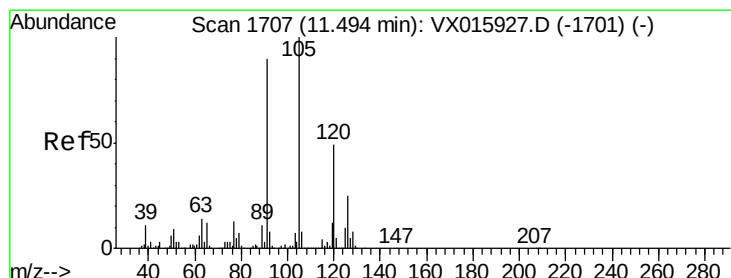
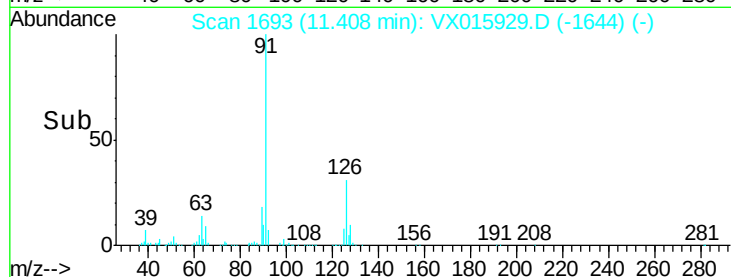
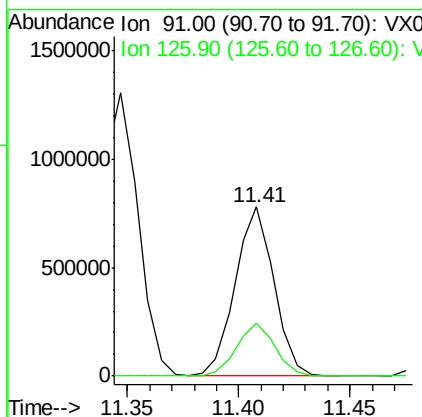
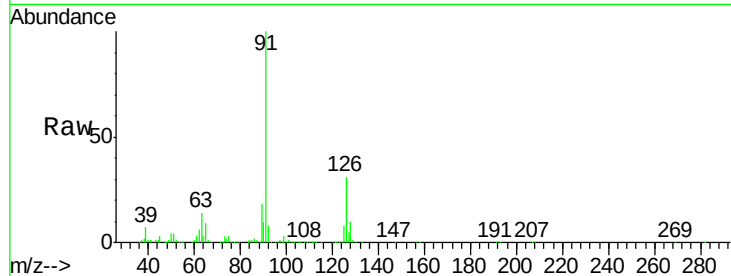
#79
 2-Chlorotoluene
 Concen: 166.710 ug/l
 RT: 11.41 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VX015929.D
 Acq: 24 Apr 2020 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 91 Resp: 941333
 Ion Ratio Lower Upper
 91 100
 126 31.3 15.8 47.3

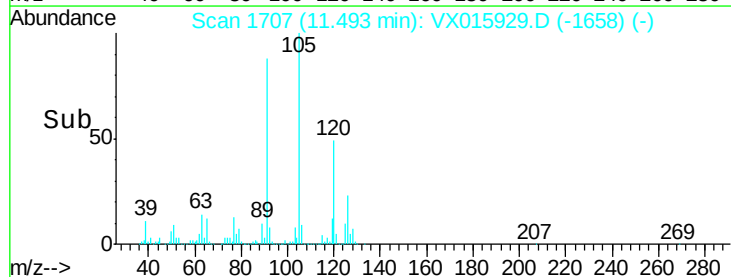
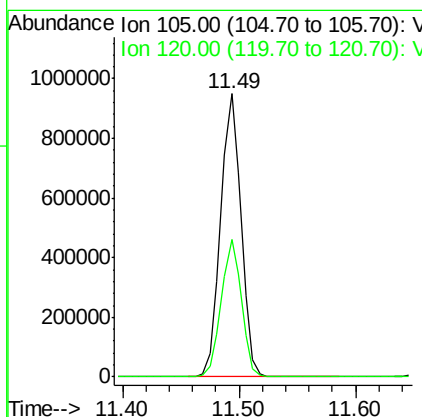
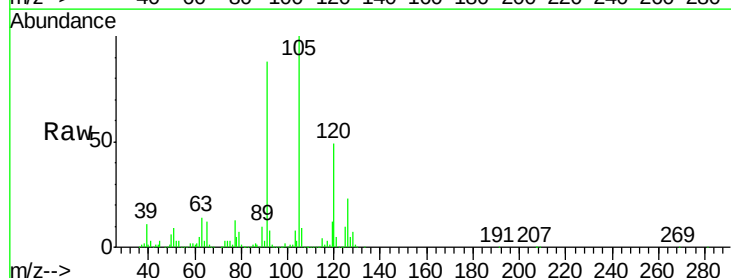
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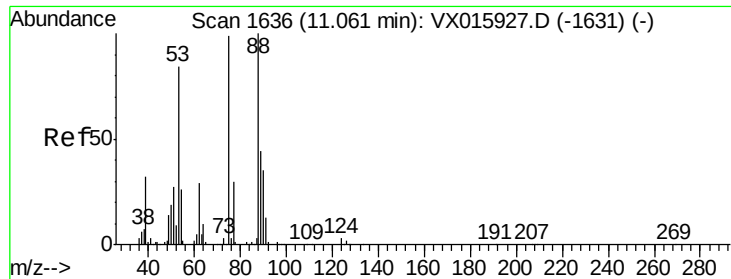
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#80
 1,3,5-Trimethylbenzene
 Concen: 165.758 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX015929.D
 Acq: 24 Apr 2020 12:58

Tgt Ion: 105 Resp: 1143852
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.3 72.8





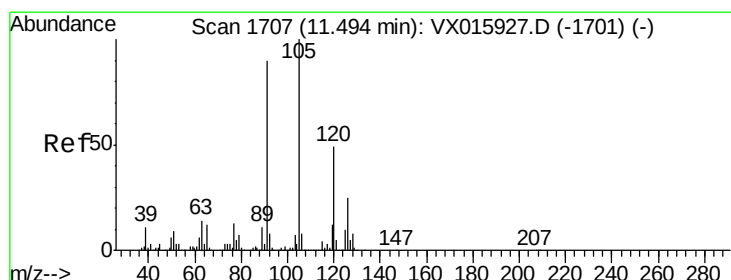
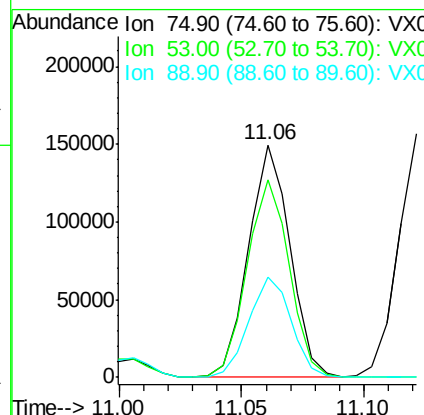
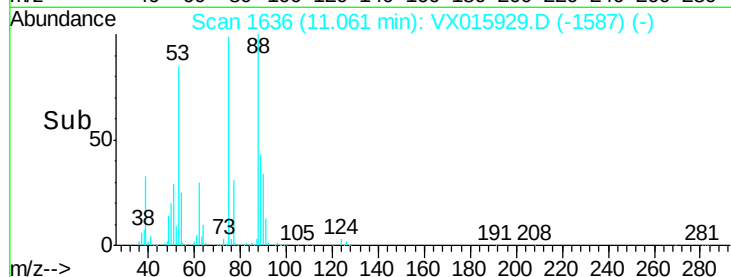
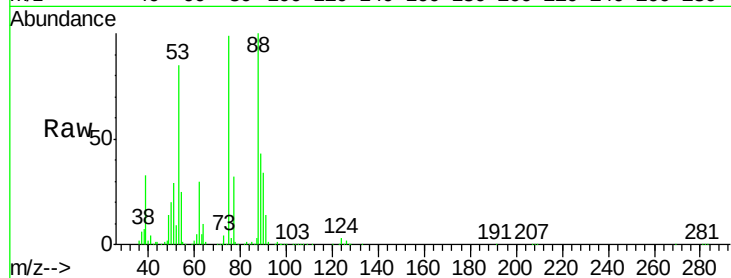
#81
trans-1,4-Dichloro-2-butene
Concen: 184.461 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VX015929.D
Acq: 24 Apr 2020 12:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.4	69.7	104.5
89	44.2	36.3	54.5

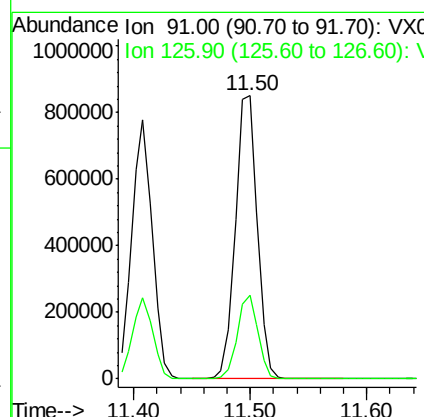
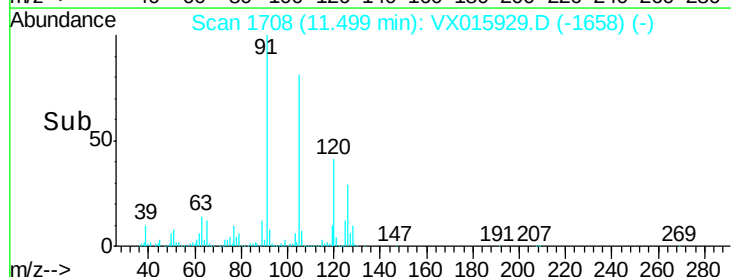
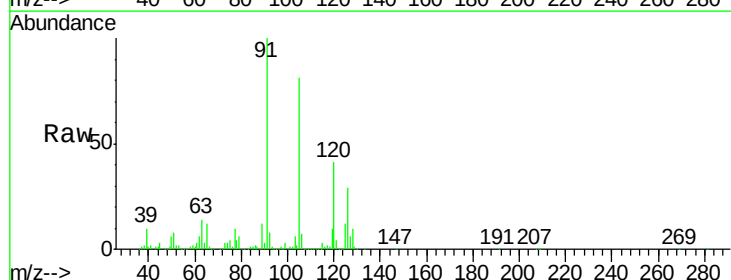
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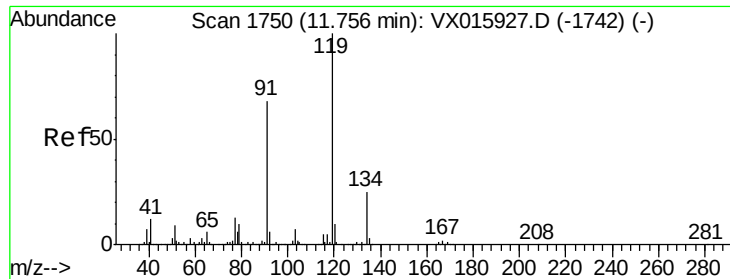
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#82
4-Chlorotoluene
Concen: 165.306 ug/l
RT: 11.50 min Scan# 1708
Delta R.T. 0.01 min
Lab File: VX015929.D
Acq: 24 Apr 2020 12:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.9	14.2	42.8





#83

tert-Butylbenzene

Concen: 160.596 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

Instrument :

MSVOA_X

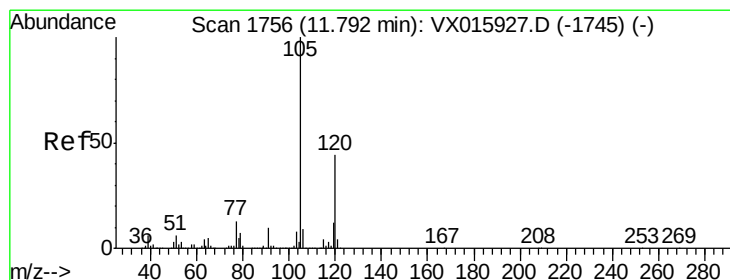
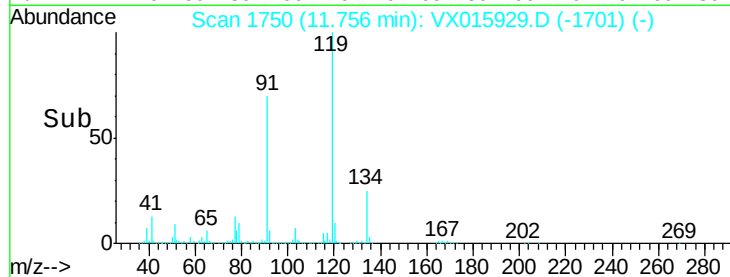
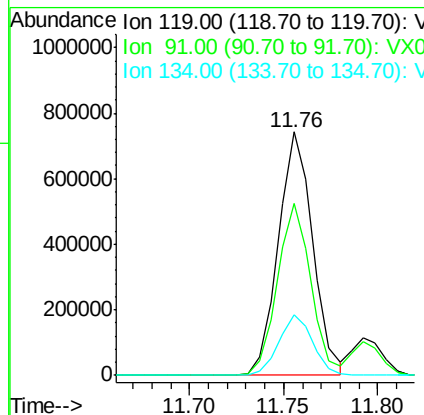
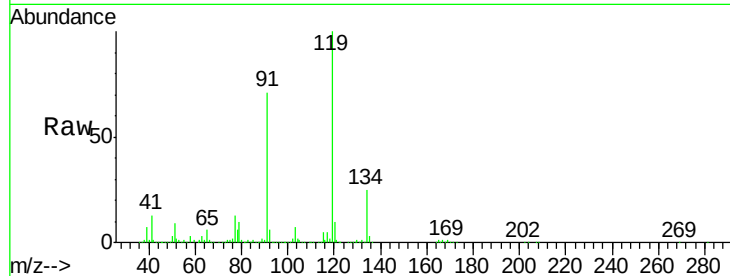
ClientSampleId :

VSTDIC150

Tot Ion:	119	Resp:	937284
Ion Ratio	Lower	Upper	
119	100		
91	69.1	34.3	102.8
134	24.3	12.1	36.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 165.195 ug/l

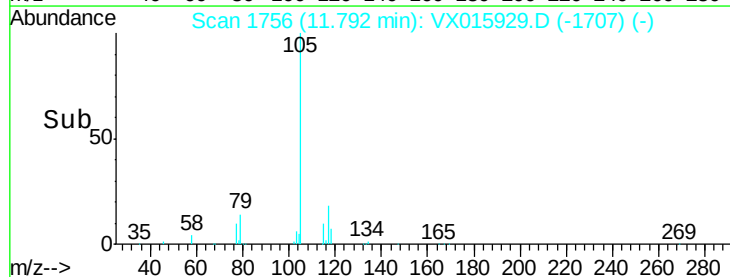
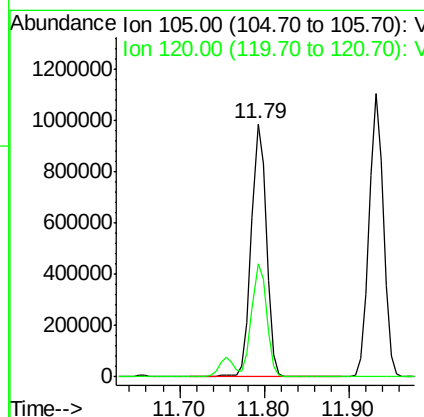
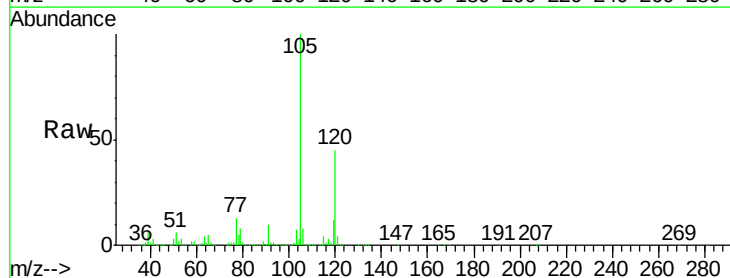
RT: 11.79 min Scan# 1756

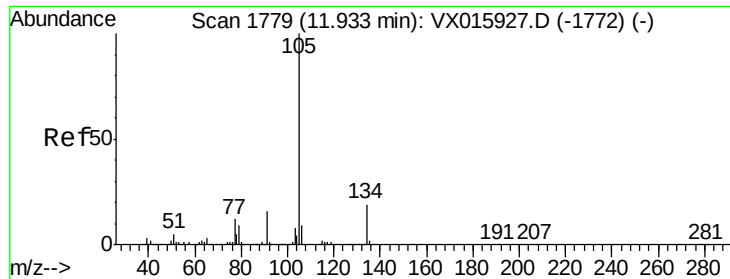
Delta R.T. -0.00 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

Tgt Ion:	105	Resp:	1170031
Ion Ratio	Lower	Upper	
105	100		
120	44.0	22.3	66.8





#85

sec-Butylbenzene

Concen: 165.348 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1310329

Ion Ratio Lower Upper

105 100

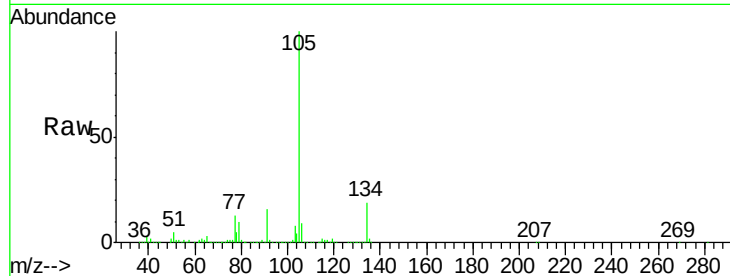
134 19.4 9.3 28.0

Manual Integrations

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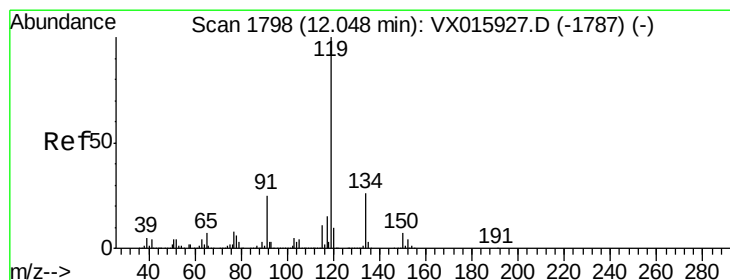
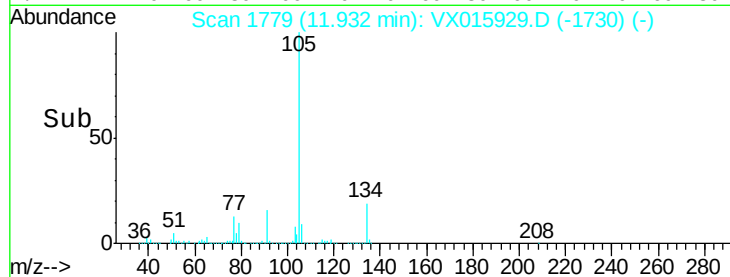
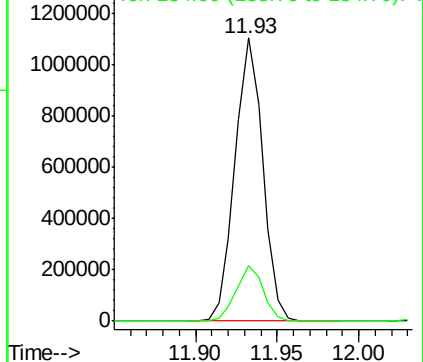
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 166.999 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX015929.D

Acq: 24 Apr 2020 12:58

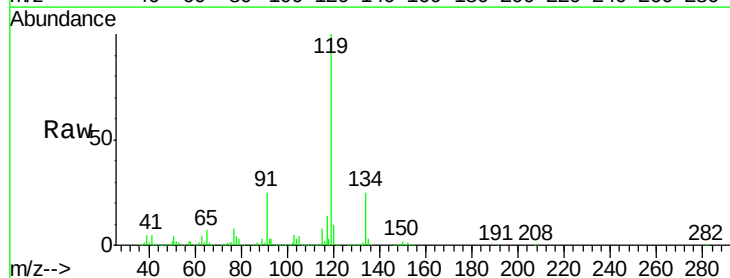
Tgt Ion:119 Resp: 1206139

Ion Ratio Lower Upper

119 100

134 25.3 12.6 37.8

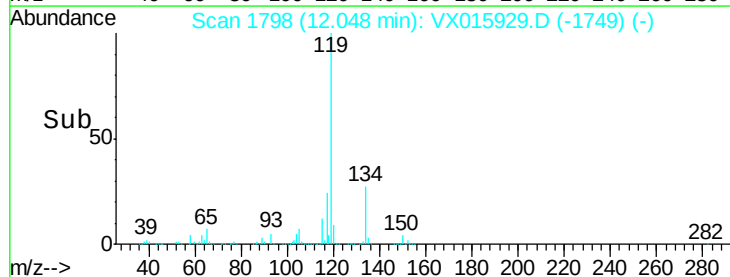
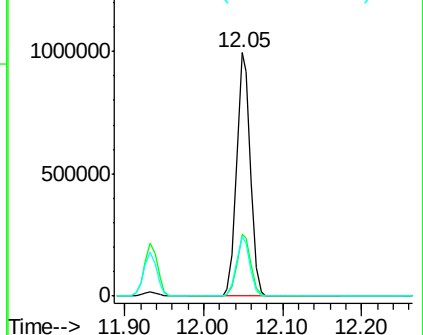
91 24.0 12.2 36.6

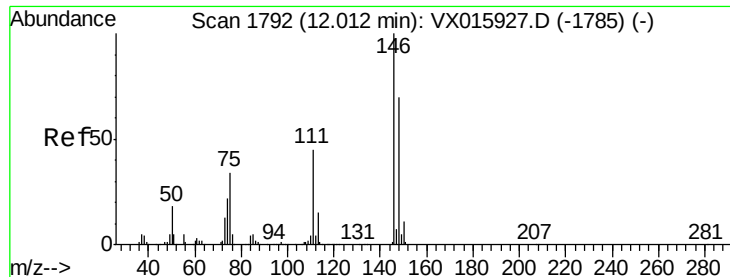


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





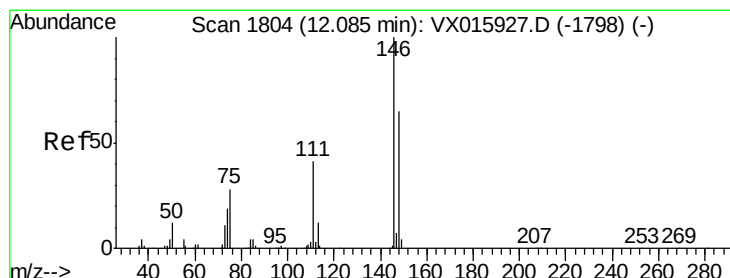
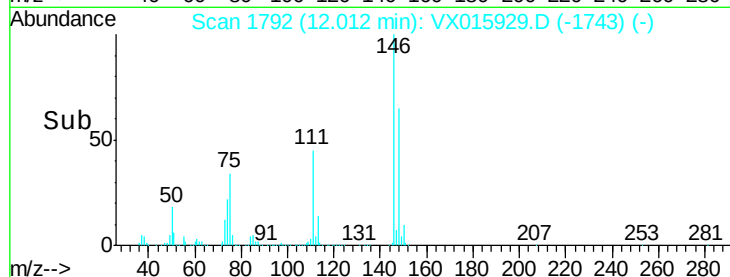
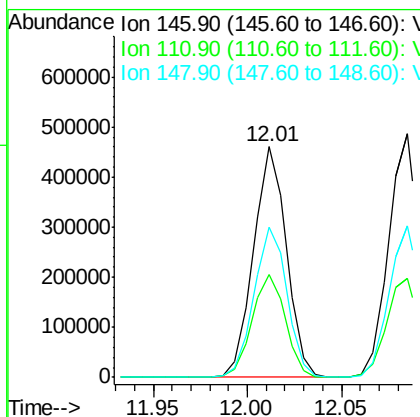
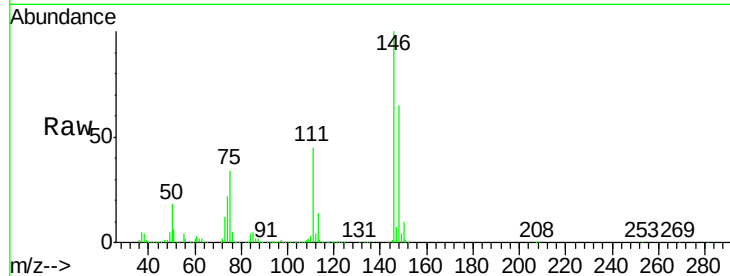
#87
 1,3-Dichlorobenzene
 Concen: 164.193 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX015929.D
 Acq: 24 Apr 2020 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.2	66.6
148	65.2	32.8	98.4

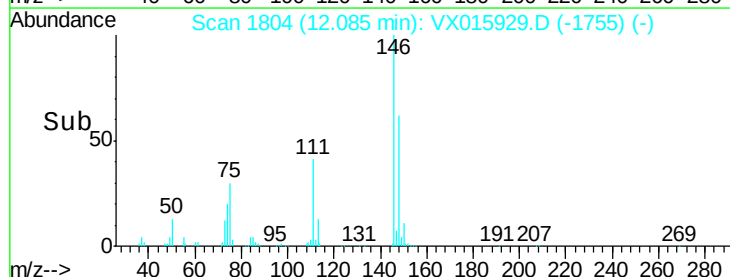
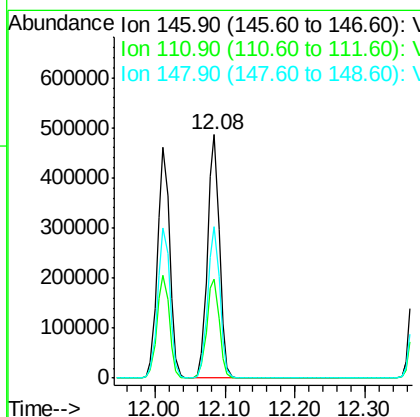
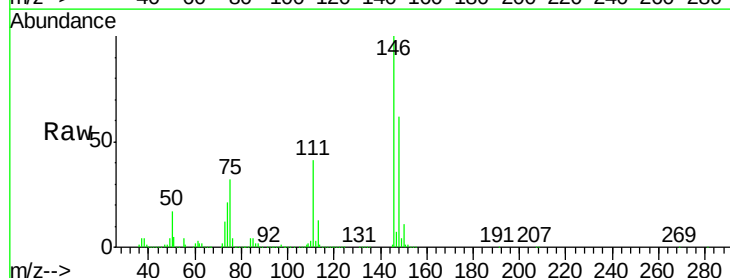
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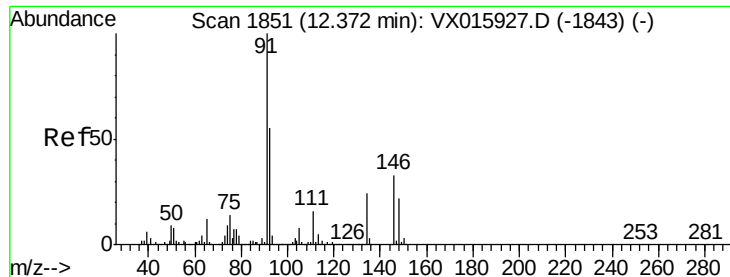
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#88
 1,4-Dichlorobenzene
 Concen: 166.273 ug/l
 RT: 12.08 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VX015929.D
 Acq: 24 Apr 2020 12:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.6	64.6
148	63.2	32.3	96.8





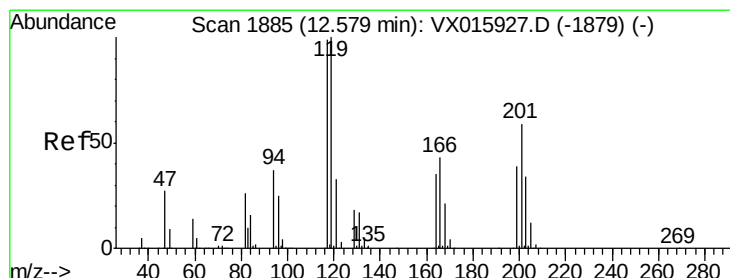
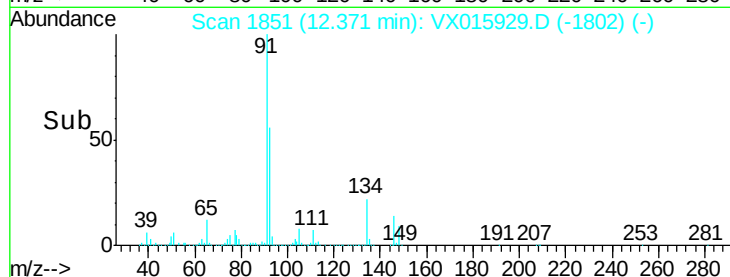
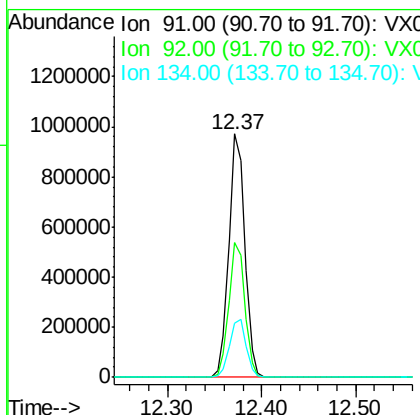
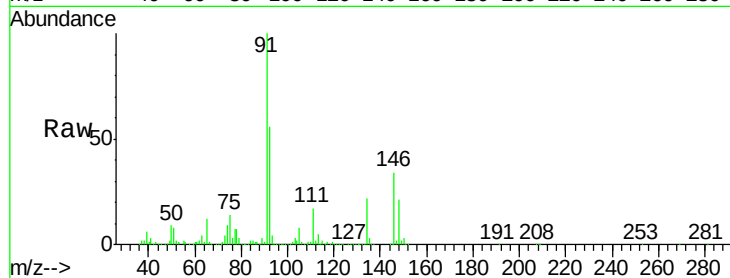
#89
n-Butylbenzene
Concen: 169.549 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX015929.D
Acq: 24 Apr 2020 12:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.6	27.3	81.9
134	24.6	12.2	36.4

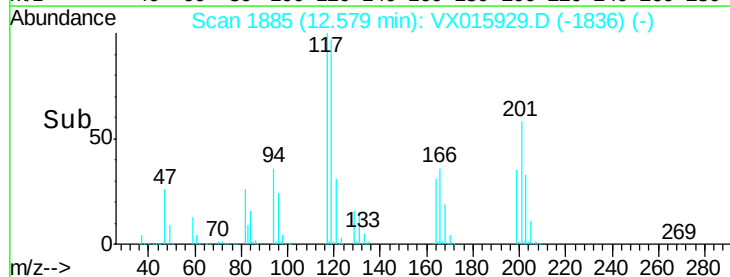
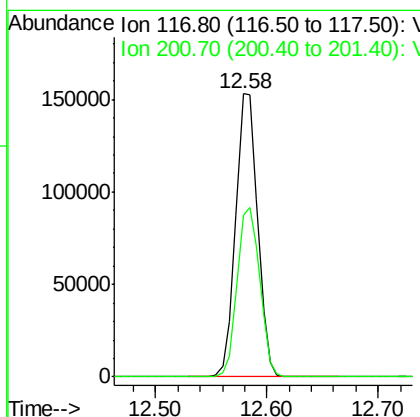
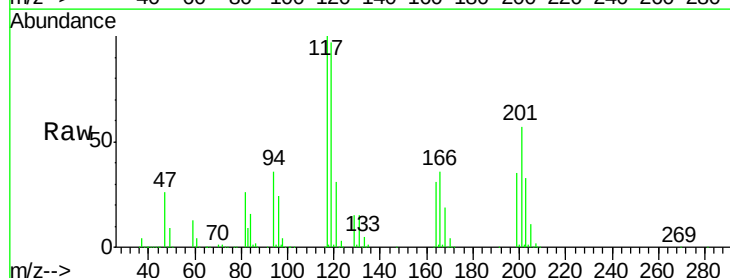
Manual Integrations
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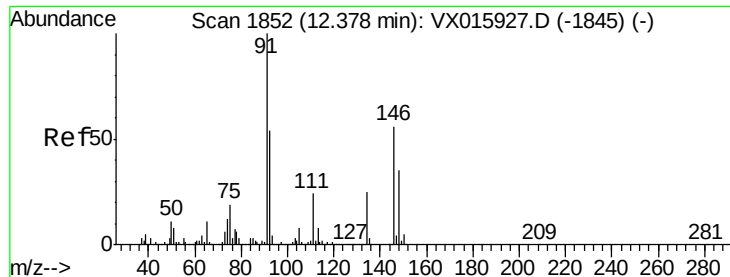
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#90
Hexachloroethane
Concen: 194.662 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX015929.D
Acq: 24 Apr 2020 12:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	61.5	32.1	96.3





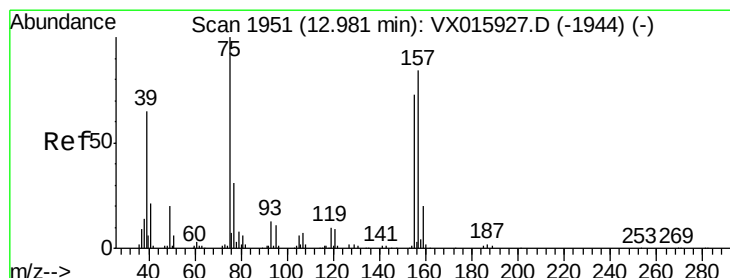
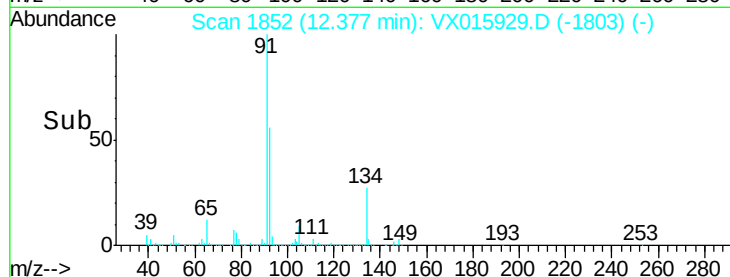
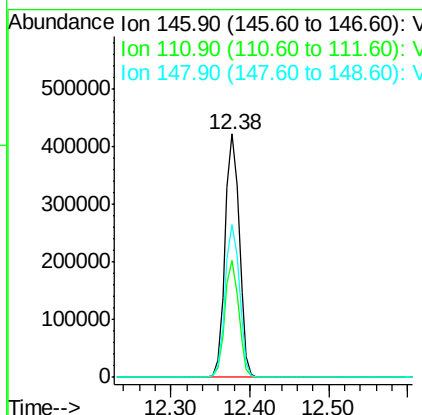
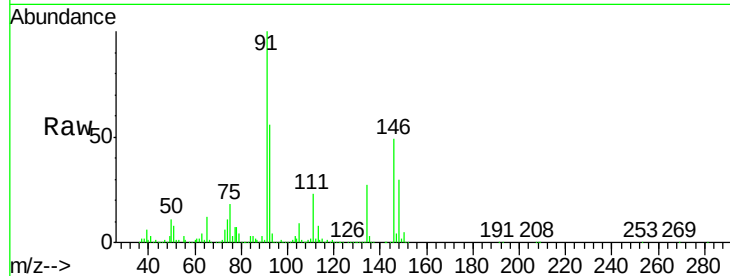
#91
 1,2-Dichlorobenzene
 Concen: 159.934 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX015929.D
 Acq: 24 Apr 2020 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100	530805		
111	46.8	22.3	66.8	
148	63.2	31.4	94.2	

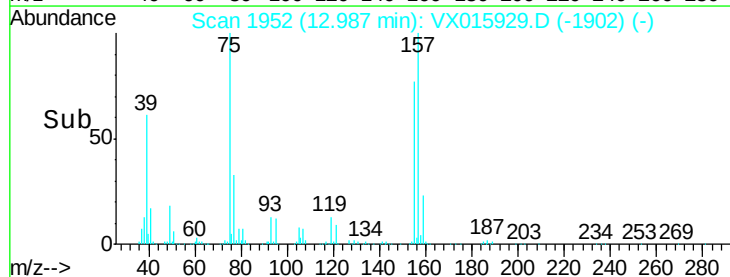
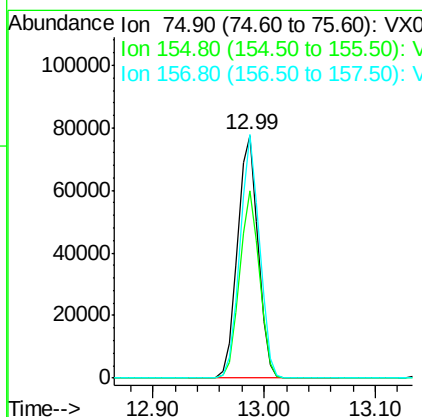
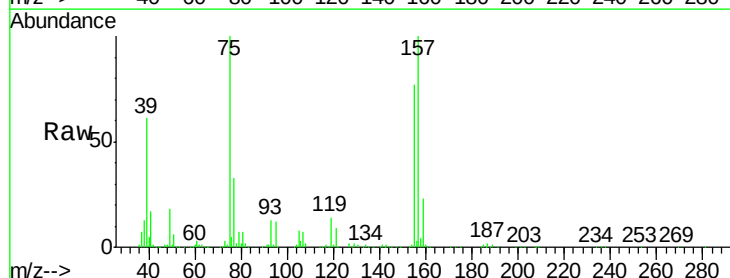
Manual Integrations
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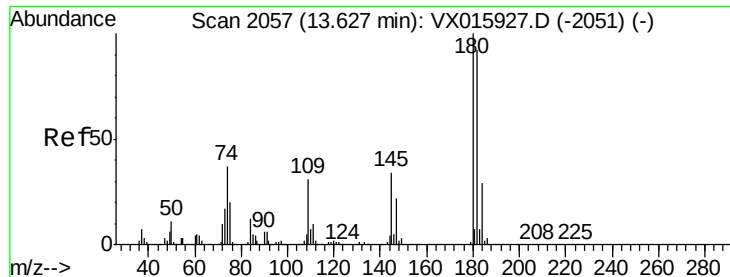
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 171.166 ug/l
 RT: 12.99 min Scan# 1952
 Delta R.T. 0.01 min
 Lab File: VX015929.D
 Acq: 24 Apr 2020 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	99033		
155	74.5	37.9	113.6	
157	95.4	47.9	143.8	





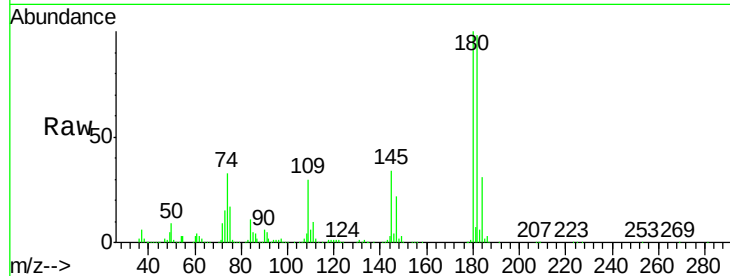
#93
 1,2,4-Trichlorobenzene
 Concen: 171.550 ug/l
 RT: 13.63 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: VX015929.D
 Acq: 24 Apr 2020 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

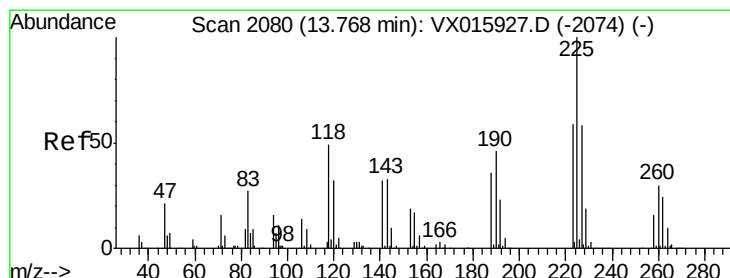
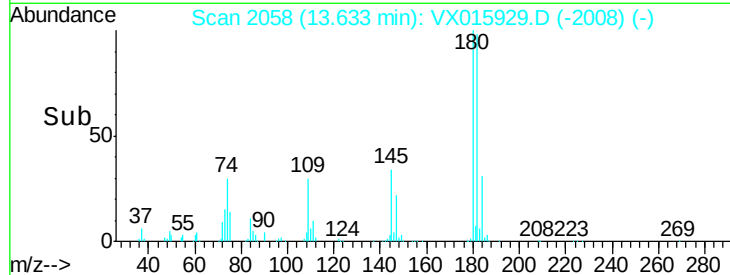
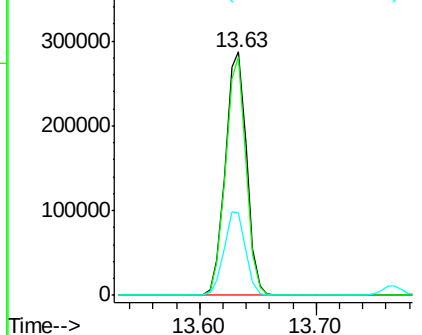
Tot Ion:180	Resp:	361211
Ion Ratio	Lower	Upper
180	100	
182	94.1	47.6 142.9
145	34.6	17.3 52.0

Manual Integrations
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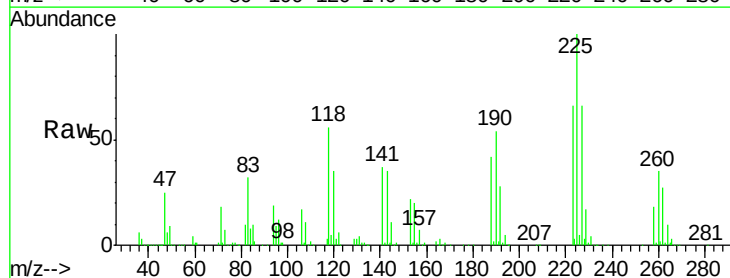


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

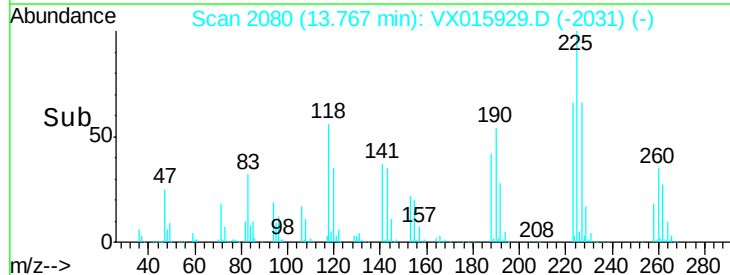
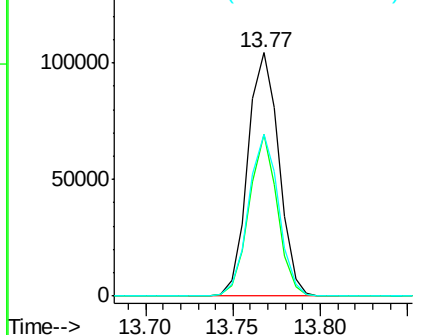


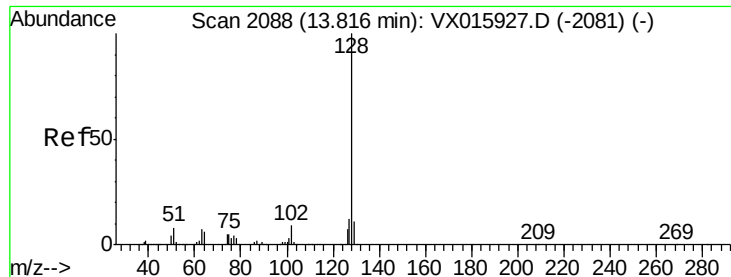
#94
 Hexachlorobutadiene
 Concen: 171.415 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX015929.D
 Acq: 24 Apr 2020 12:58

Tgt Ion:225	Resp:	128689
Ion Ratio	Lower	Upper
225	100	
223	60.5	30.6 91.6
227	64.6	32.0 96.2



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





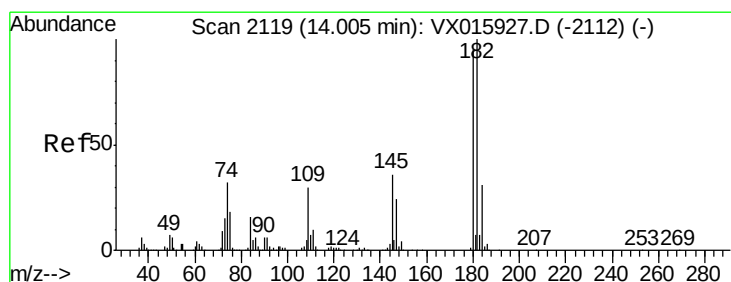
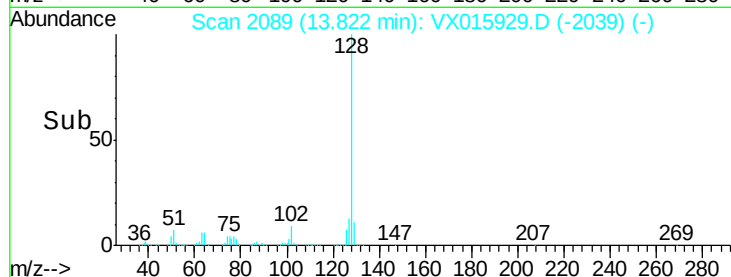
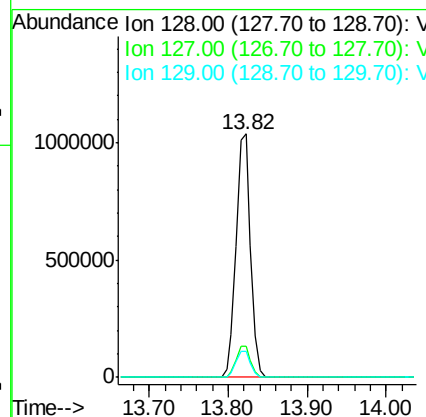
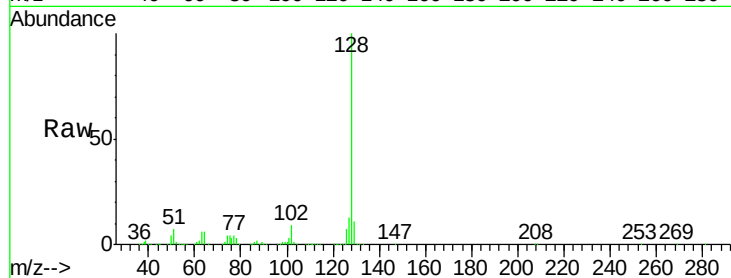
#95
Naphthalene
Concen: 173.801 ug/l
RT: 13.82 min Scan# 2089
Delta R.T. 0.01 min
Lab File: VX015929.D
Acq: 24 Apr 2020 12:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/27/2020 12:39:57 PM



#96
1,2,3-Trichlorobenzene
Concen: 168.383 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VX015929.D
Acq: 24 Apr 2020 12:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.3	50.1	150.3
145	37.3	18.9	56.9

