

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042420\
 Data File : VX015928.D
 Acq On : 24 Apr 2020 12:35
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 4/27/2020 12:39:55 PM

Quant Time: Apr 24 13:01:20 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	5.64	168	138219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	264213	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	247127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	118854	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	207207	107.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	215.04%	
35) Dibromofluoromethane	5.47	113	150857	102.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.24%	
50) Toluene-d8	8.70	98	637963	107.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	214.72%	
62) 4-Bromofluorobenzene	11.12	95	260826	103.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	165734	114.119	ug/l	98
3) Chloromethane	1.31	50	172046	115.072	ug/l	99
4) Vinyl Chloride	1.39	62	216791	112.119	ug/l	100
5) Bromomethane	1.62	94	54944	63.566	ug/l	98
6) Chloroethane	1.70	64	126818	106.743	ug/l	97
7) Trichlorofluoromethane	1.91	101	244738	105.640	ug/l	99
8) Diethyl Ether	2.17	74	113592	102.043	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	156477	107.401	ug/l	99
10) Methyl Iodide	2.49	142	182478	131.153	ug/l	99
11) Tert butyl alcohol	3.03	59	228051	571.593	ug/l	99
12) 1,1-Dichloroethene	2.36	96	164805	108.102	ug/l	97
13) Acrolein	2.27	56	130721	495.728	ug/l	99
14) Allyl chloride	2.71	41	291147	107.277	ug/l	99
15) Acrylonitrile	3.12	53	500202	568.058	ug/l	100
16) Acetone	2.42	43	389619	545.077	ug/l	100
17) Carbon Disulfide	2.55	76	436261	89.340	ug/l	100
18) Methyl Acetate	2.75	43	237765	111.045	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	599480	110.281	ug/l	100
20) Methylene Chloride	2.84	84	190889	107.914	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	183941	108.007	ug/l	100
22) Diisopropyl ether	3.83	45	577146	108.109	ug/l	# 87
23) Vinyl Acetate	3.79	43	2416362	557.919	ug/l	99
24) 1,1-Dichloroethane	3.67	63	333065	109.647	ug/l	99
25) 2-Butanone	4.64	43	651879	569.391	ug/l	100
26) 2,2-Dichloropropane	4.55	77	287829	106.175	ug/l	100
27) cis-1,2-Dichloroethene	4.57	96	209153	107.932	ug/l	99
28) Bromochloromethane	4.98	49	141031	104.098	ug/l	99
29) Tetrahydrofuran	5.09	42	423462	556.571	ug/l	100
30) Chloroform	5.18	83	329218	109.641	ug/l	100
31) Cyclohexane	5.55	56	301688	109.238	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	291275	106.960	ug/l	100
36) 1,1-Dichloropropene	5.77	75	257933	103.188	ug/l	99
37) Ethyl Acetate	4.80	43	261012	104.311	ug/l	99
38) Carbon Tetrachloride	5.76	117	241776	107.288	ug/l	99

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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	316265	105.092	ug/l	98
40) Benzene	6.12	78	768044	105.929	ug/l	97
41) Methacrylonitrile	5.01	41	144750	100.849	ug/l	99
42) 1,2-Dichloroethane	6.17	62	269003	105.833	ug/l	99
43) Isopropyl Acetate	6.42	43	440879	109.090	ug/l	100
44) Trichloroethene	7.19	130	232079	102.999	ug/l	99
45) 1,2-Dichloropropane	7.49	63	197126	106.458	ug/l	99
46) Dibromomethane	7.64	93	131630	106.125	ug/l	99
47) Bromodichloromethane	7.88	83	273391	109.958	ug/l	100
48) Methyl methacrylate	7.75	41	214410	107.672	ug/l	100
49) 1,4-Dioxane	7.72	88	99895	2308.175	ug/l	100
51) 4-Methyl-2-Pentanone	8.62	43	1320957	565.578	ug/l	100
52) Toluene	8.77	92	489482	106.534	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	326895	108.724	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	343010	109.138	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	194051	105.468	ug/l	99
56) Ethyl methacrylate	9.16	69	328135	114.424	ug/l	99
57) 1,3-Dichloropropane	9.35	76	337363	108.024	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	807189	566.134	ug/l	99
59) 2-Hexanone	9.48	43	1024087	583.621	ug/l	99
60) Dibromochloromethane	9.57	129	203231	115.491	ug/l	99
61) 1,2-Dibromoethane	9.66	107	203470	107.933	ug/l	100
64) Tetrachloroethene	9.32	164	250071	101.902	ug/l	97
65) Chlorobenzene	10.12	112	515535	107.206	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	185510	110.031	ug/l	99
67) Ethyl Benzene	10.24	91	946409	106.343	ug/l	100
68) m/p-Xylenes	10.34	106	698658	215.723	ug/l	100
69) o-Xylene	10.68	106	342066	108.407	ug/l	100
70) Styrene	10.70	104	608124	114.306	ug/l	100
71) Bromoform	10.84	173	135568	126.307	ug/l #	96
73) Isopropylbenzene	11.01	105	911639	104.820	ug/l	99
74) N-amyl acetate	10.88	43	413066	111.936	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	217298	114.752	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	271941m	87.504	ug/l	
77) Bromobenzene	11.24	156	210060	107.623	ug/l	99
78) n-propylbenzene	11.35	91	1079062	105.515	ug/l	100
79) 2-Chlorotoluene	11.41	91	641811	107.660	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	786574	107.962	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	121049	119.455	ug/l	99
82) 4-Chlorotoluene	11.49	91	769892	108.114	ug/l	99
83) tert-Butylbenzene	11.76	119	664334	107.815	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	805612	107.734	ug/l	100
85) sec-Butylbenzene	11.93	105	918572	109.789	ug/l	100
86) p-Isopropyltoluene	12.05	119	831315	109.021	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	384161	106.973	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	391806	107.504	ug/l	100
89) n-Butylbenzene	12.37	91	792368	110.896	ug/l	99
90) Hexachloroethane	12.58	117	138097	121.931	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	371309	105.966	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	67315	110.199	ug/l	99

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VSTDICC100

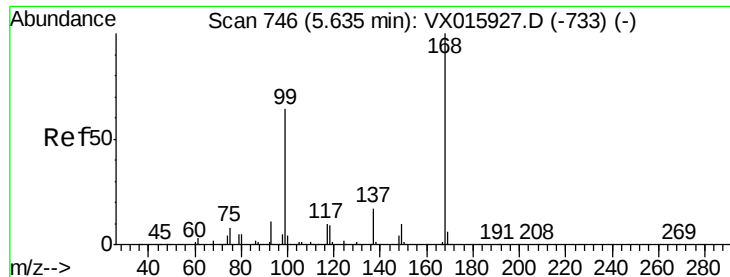
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	241368	108.577	ug/l	100
94) Hexachlorobutadiene	13.77	225	83262	105.047	ug/l	95
95) Naphthalene	13.82	128	899890	112.228	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	234921	111.915	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 138219

Ion Ratio Lower Upper

168 100

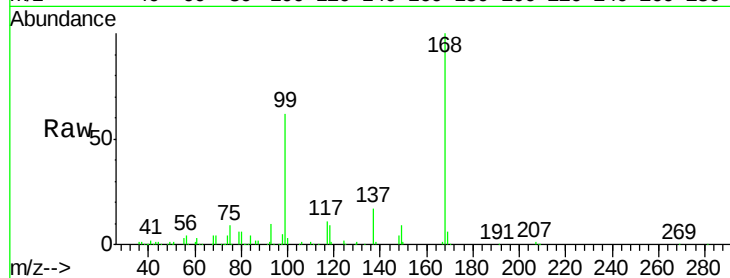
99 61.5 51.2 76.8

Manual Integrations

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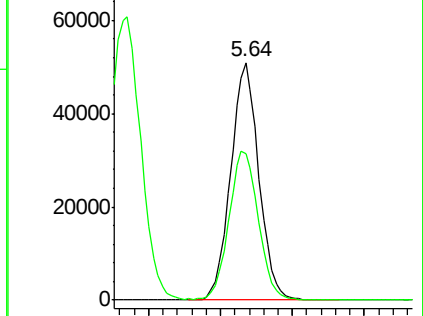
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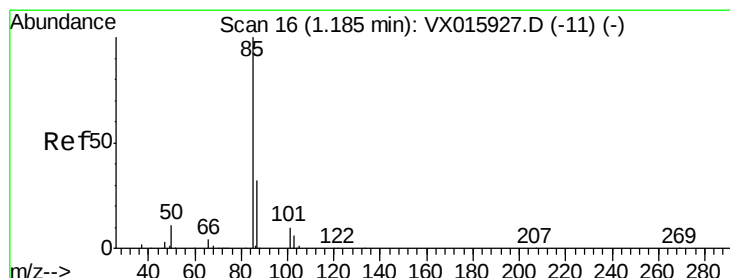
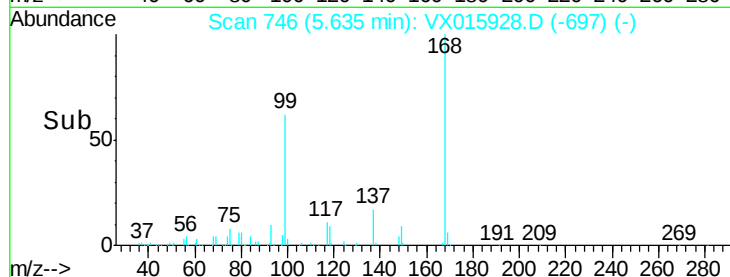


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



Time-->



#2

Dichlorodifluoromethane

Concen: 114.119 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX015928.D

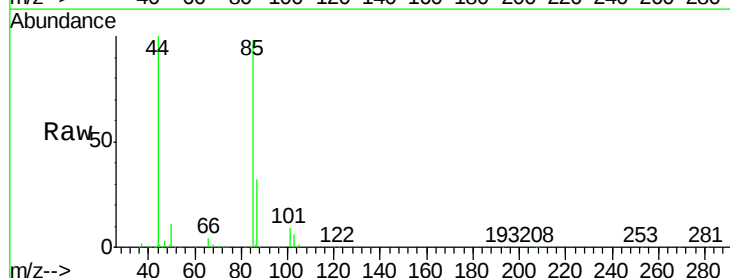
Acq: 24 Apr 2020 12:35

Tgt Ion: 85 Resp: 165734

Ion Ratio Lower Upper

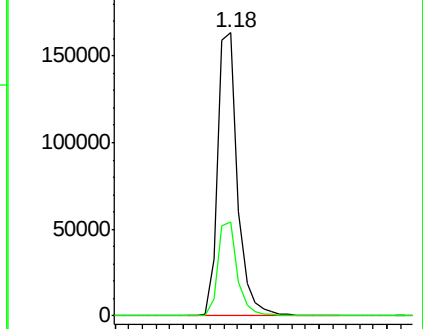
85 100

87 33.0 16.0 48.0

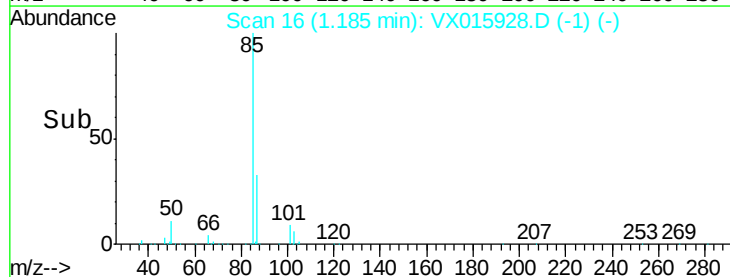


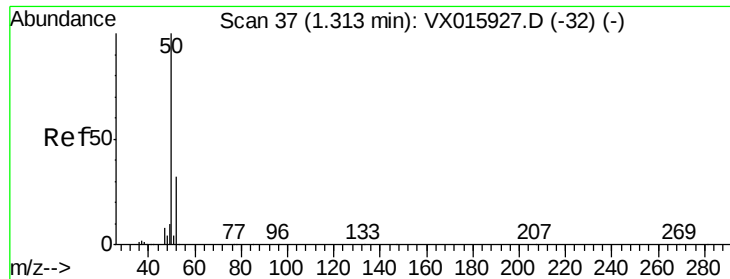
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0



Time-->





#3

Chloromethane

Concen: 115.072 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 172046

Ion Ratio Lower Upper

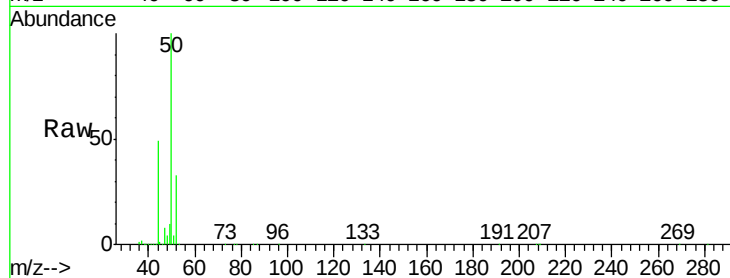
50 100

52 32.8 25.9 38.9

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

200000

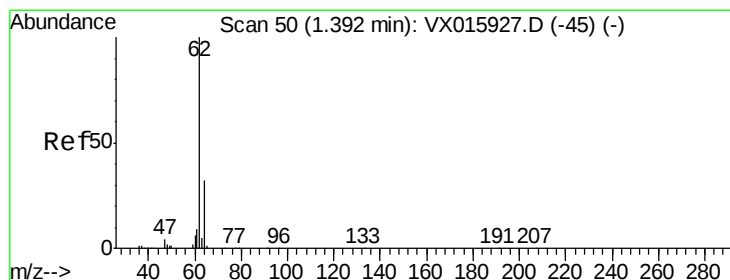
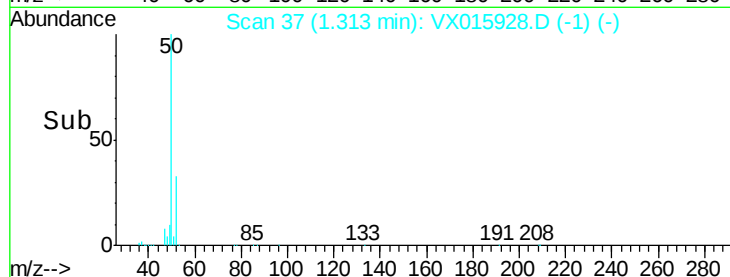
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 112.119 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX015928.D

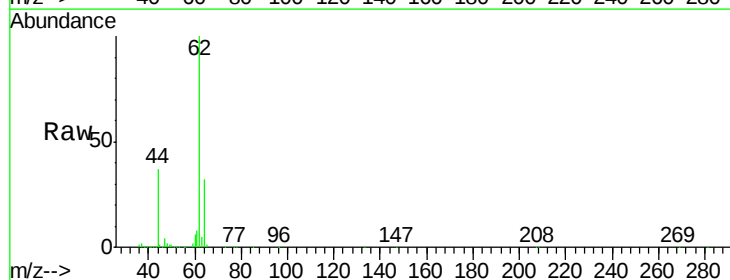
Acq: 24 Apr 2020 12:35

Tgt Ion: 62 Resp: 216791

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

250000

200000

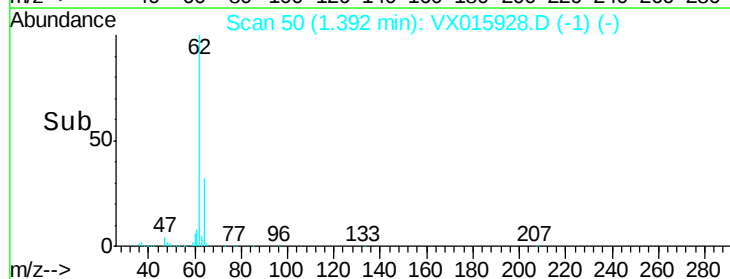
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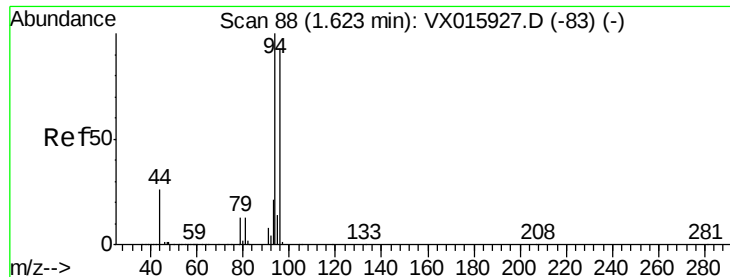
100000

50000

0

Time-->





#5

Bromomethane

Concen: 63.566 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 54944

Ion Ratio Lower Upper

94 100

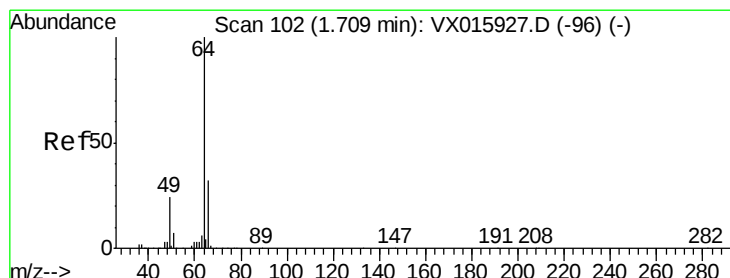
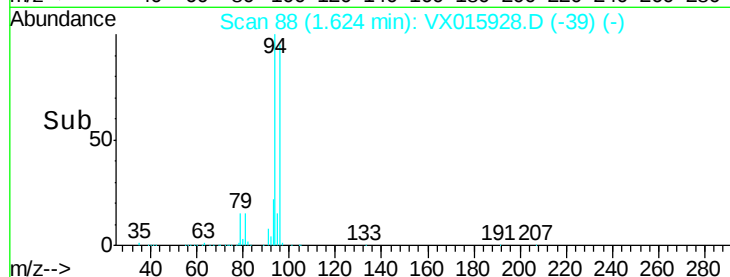
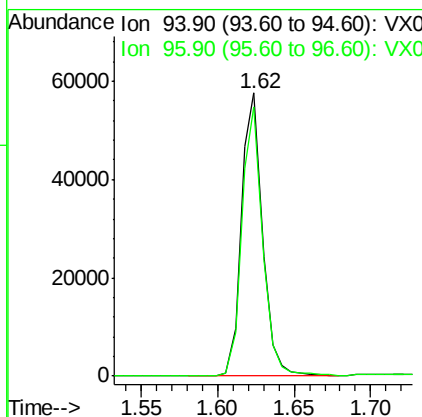
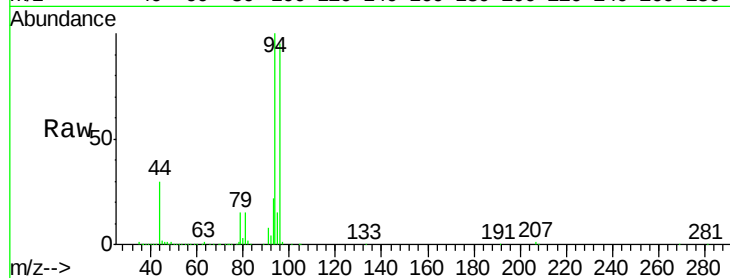
96 95.1 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 106.743 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX015928.D

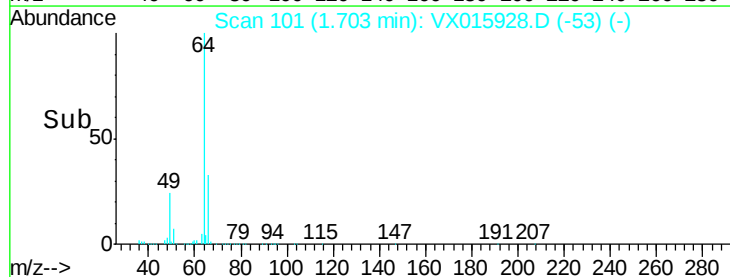
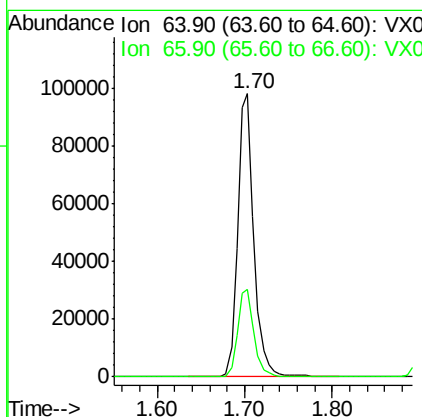
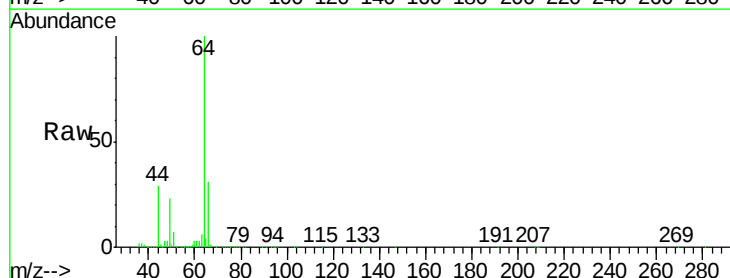
Acq: 24 Apr 2020 12:35

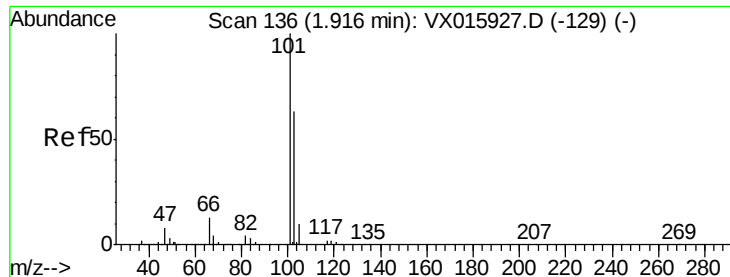
Tgt Ion: 64 Resp: 126818

Ion Ratio Lower Upper

64 100

66 30.8 25.8 38.8





#7

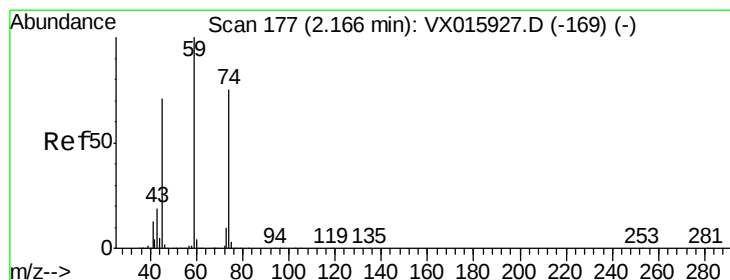
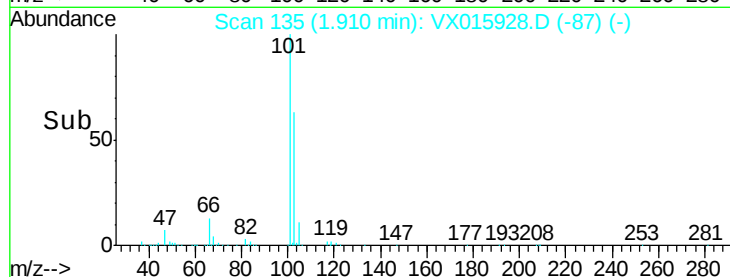
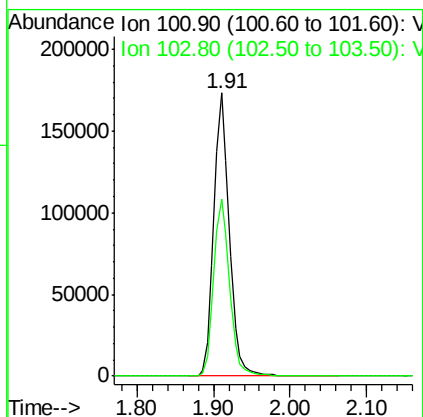
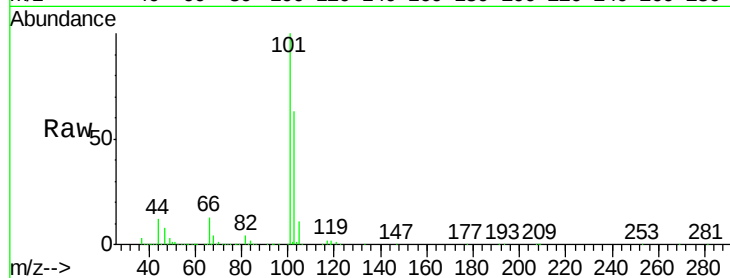
Trichlorofluoromethane
Concen: 105.640 ug/l
RT: 1.91 min Scan# 135
Delta R.T. -0.01 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

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VSTDICC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		244738		
103	62.6	50.8	76.2		

Manual Integrations
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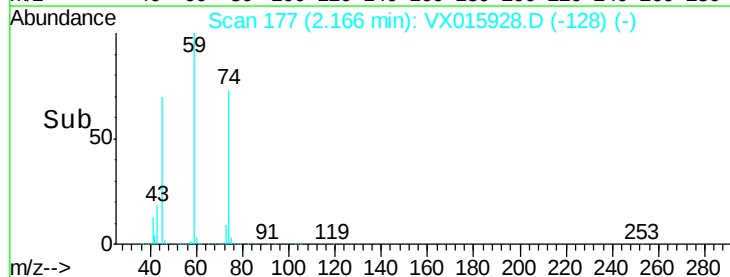
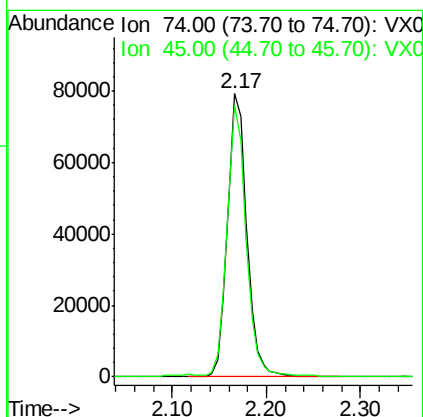
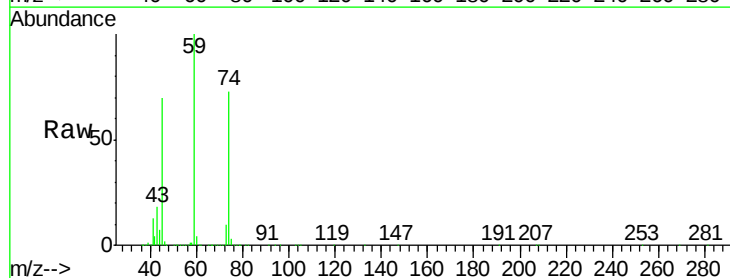
MMDadoda
4/27/2020 12:39:55 PM

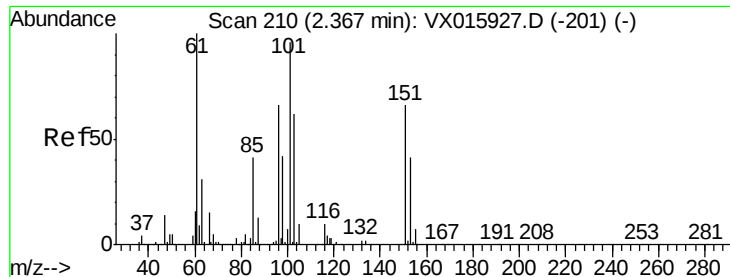


#8

Diethyl Ether
Concen: 102.043 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		113592		
45	94.3	46.9	140.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 107.401 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

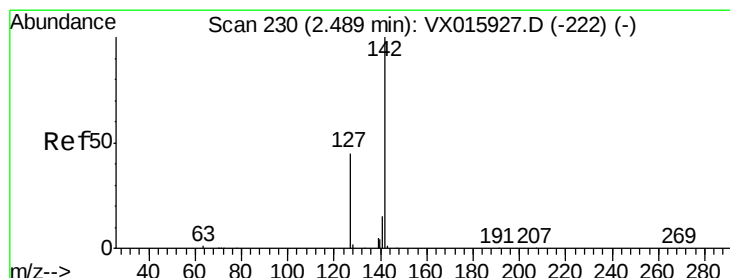
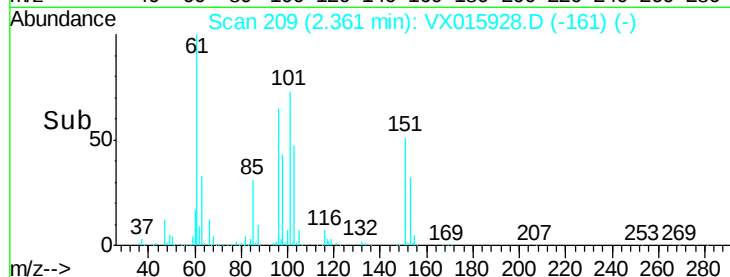
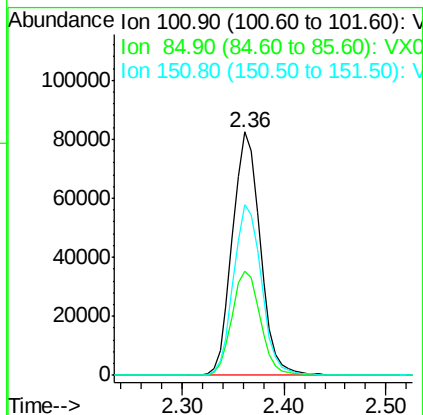
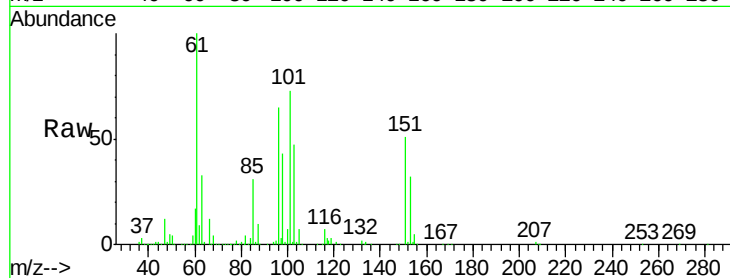
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	156477
Ion Ratio	Lower	Upper	
101	100		
85	43.6	34.9	52.3
151	70.4	55.8	83.6

Manual Integrations
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MMDadoda
4/27/2020 12:39:55 PM



#10

Methyl Iodide

Concen: 131.153 ug/l

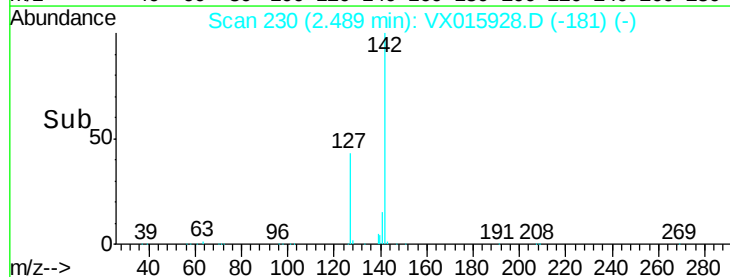
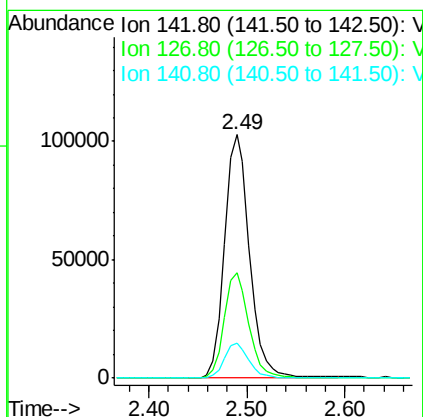
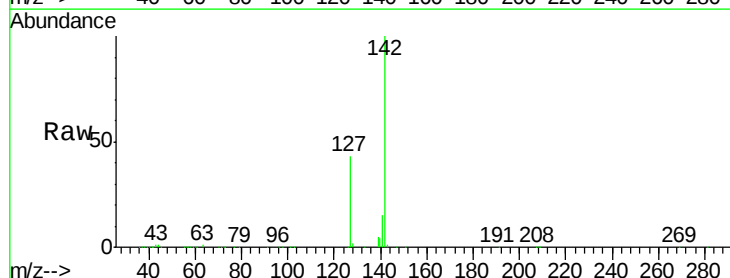
RT: 2.49 min Scan# 230

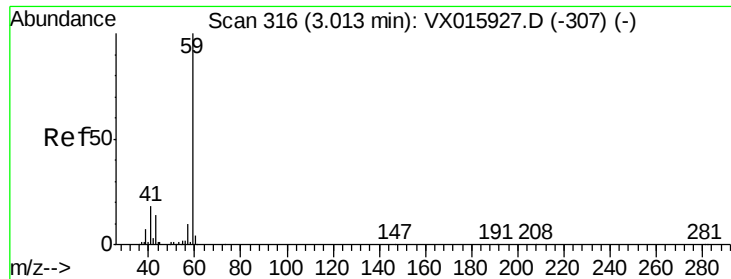
Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Tgt Ion:	142	Resp:	182478
Ion Ratio	Lower	Upper	
142	100		
127	42.6	34.4	51.6
141	14.1	11.5	17.3





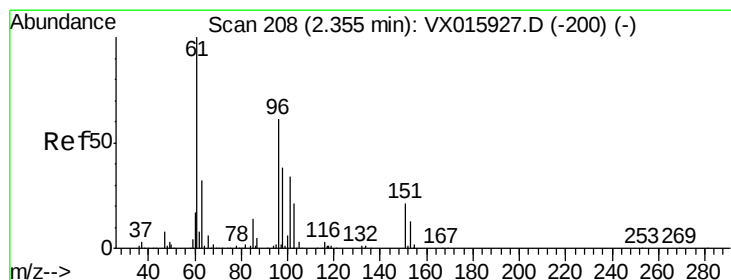
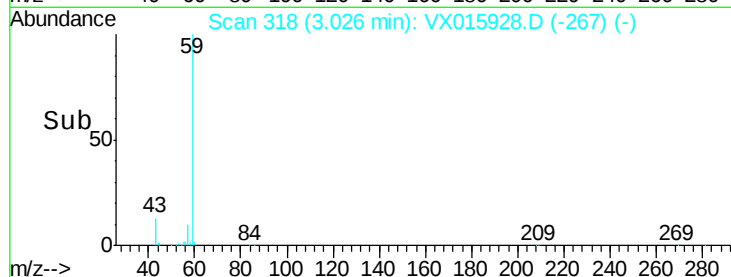
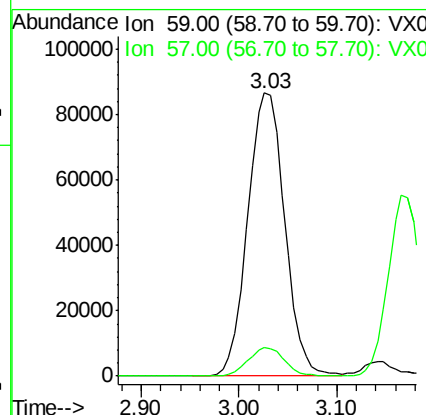
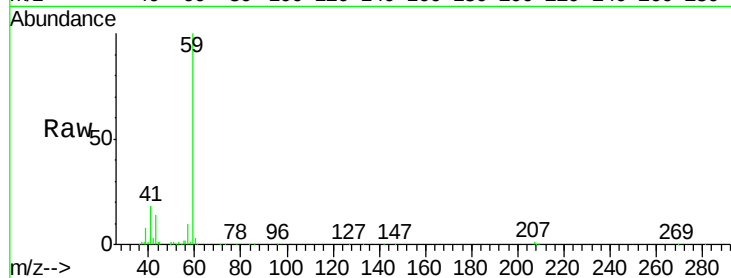
#11
Tert butyl alcohol
Concen: 571.593 ug/l
RT: 3.03 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.4	12.6

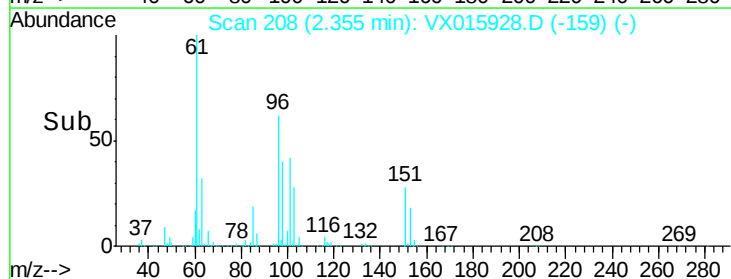
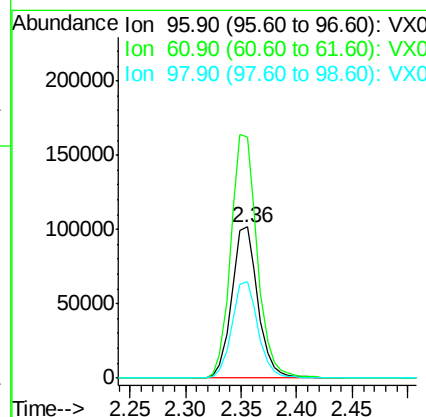
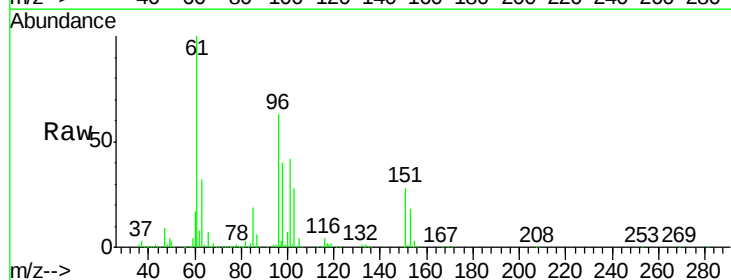
Manual Integrations
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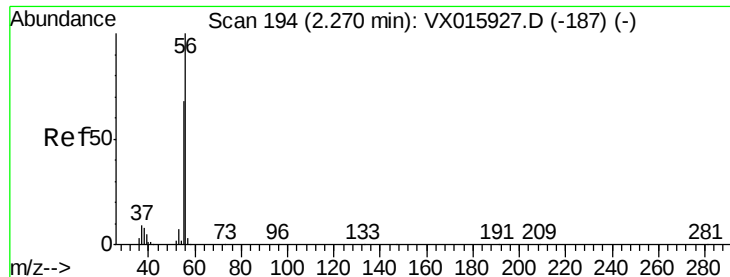
MMDadoda
4/27/2020 12:39:55 PM



#12
1,1-Dichloroethene
Concen: 108.102 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.9	131.2	196.8
98	64.2	50.2	75.4





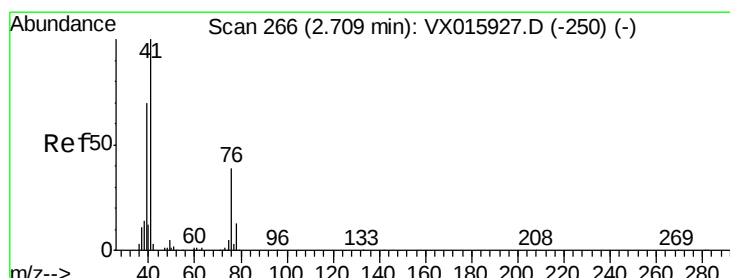
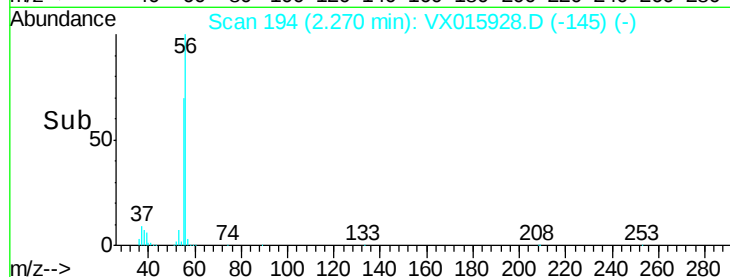
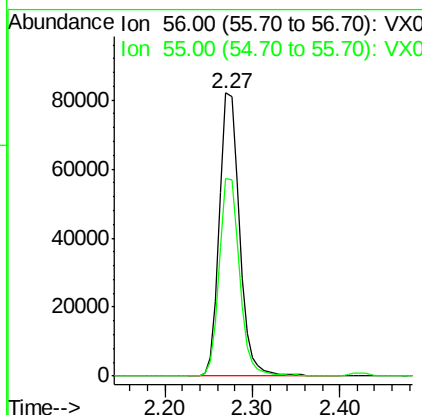
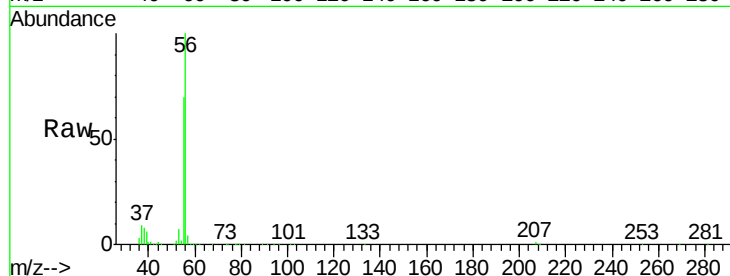
#13
Acrolein
Concen: 495.728 ug/l
RT: 2.27 min Scan# 194
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.5	56.0	84.0

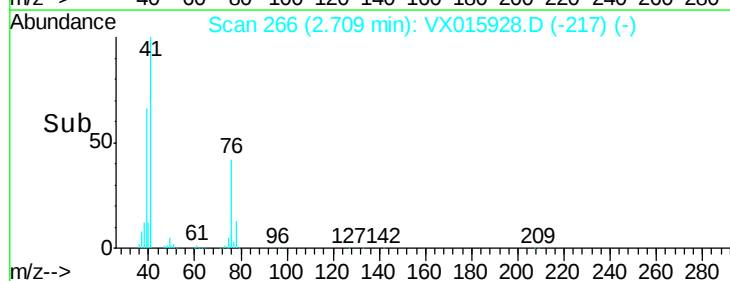
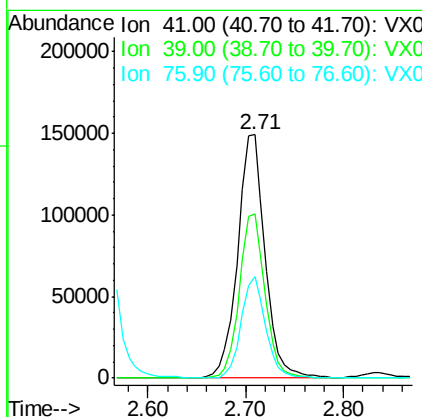
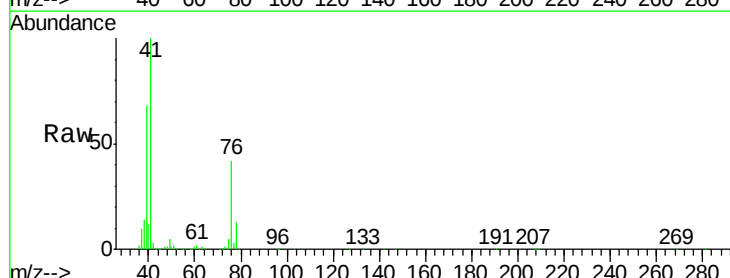
Manual Integrations
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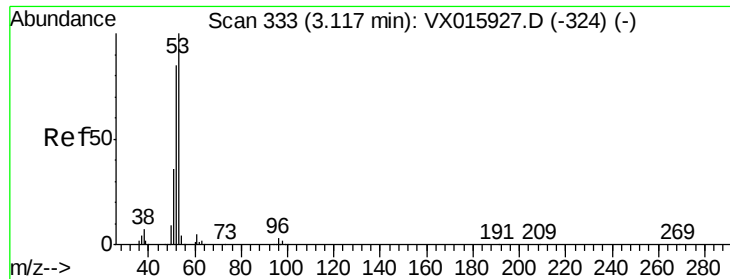
MMDadoda
4/27/2020 12:39:55 PM



#14
Allyl chloride
Concen: 107.277 ug/l
RT: 2.71 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.3	51.6	77.4
76	37.2	29.3	43.9





#15

Acrylonitrile

Concen: 568.058 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

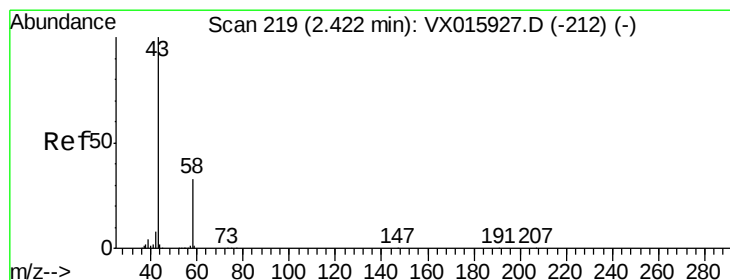
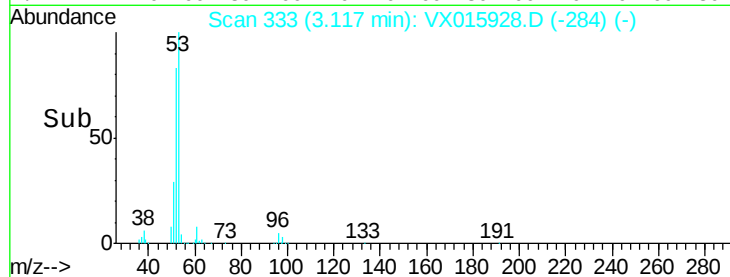
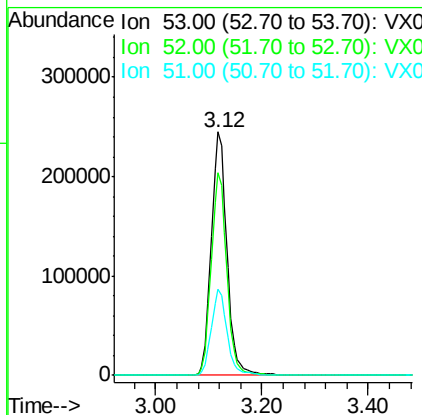
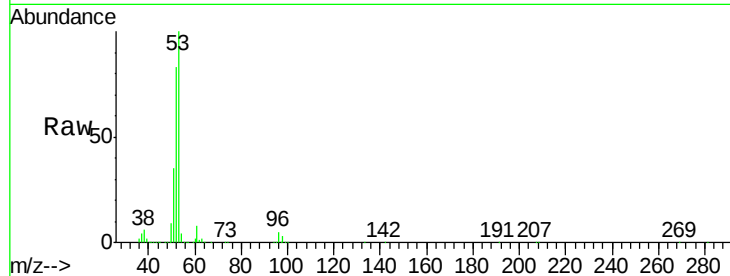
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	500202
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.5	98.3
51	35.3	28.2	42.2

Manual Integrations
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4/27/2020 12:39:55 PM



#16

Acetone

Concen: 545.077 ug/l

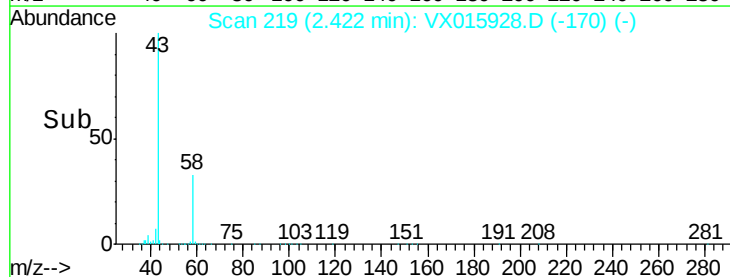
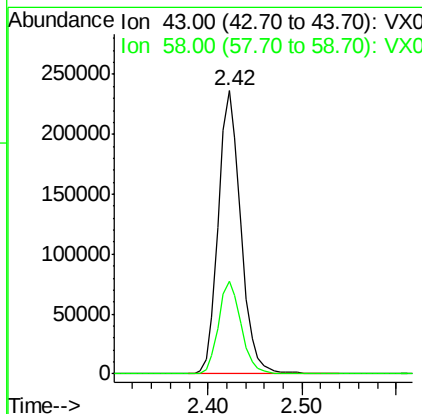
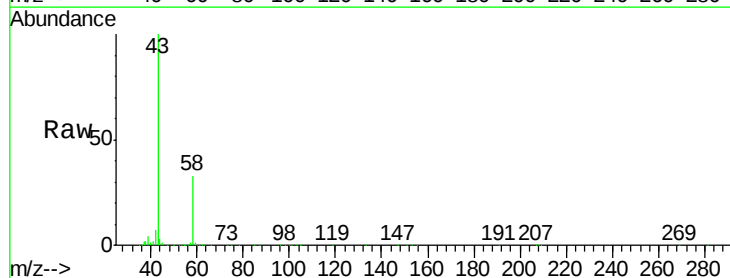
RT: 2.42 min Scan# 219

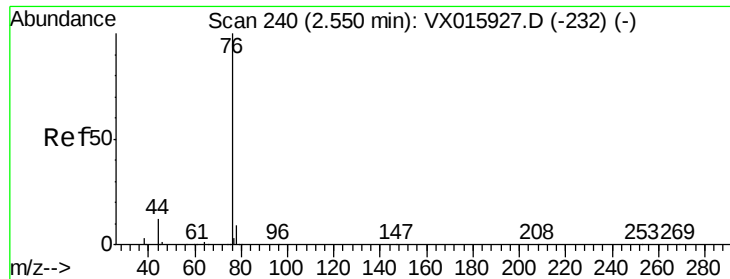
Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Tgt Ion:	43	Resp:	389619
Ion	Ratio	Lower	Upper
43	100		
58	33.0	26.4	39.6





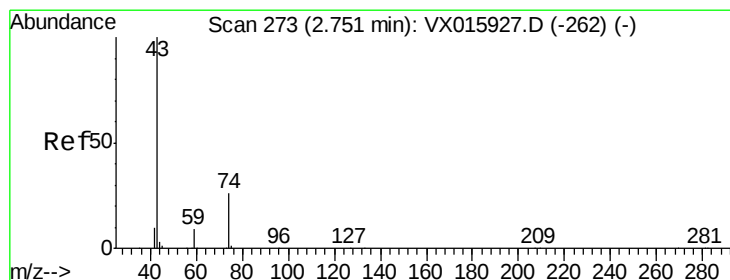
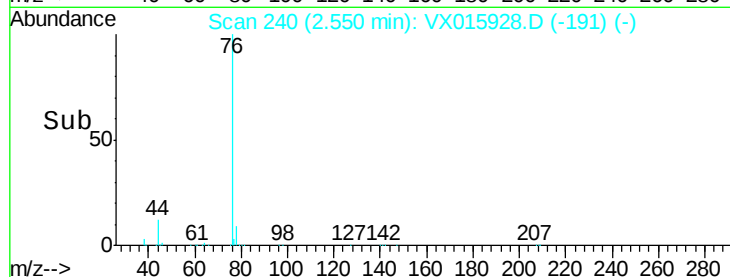
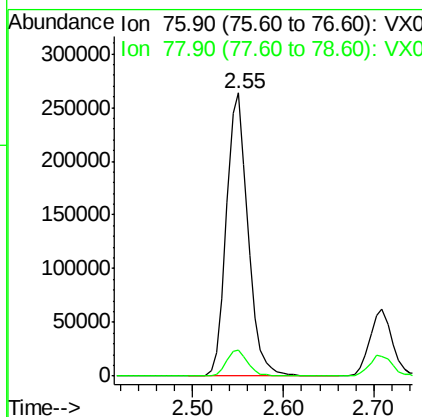
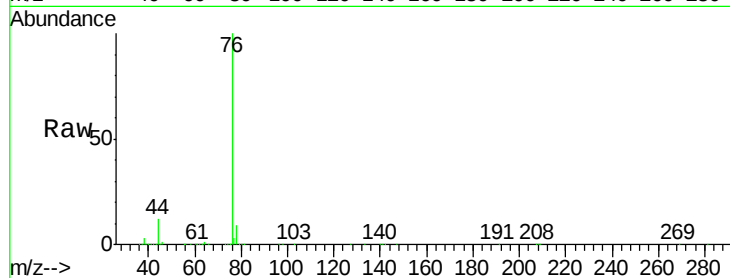
#17
Carbon Disulfide
Concen: 89.340 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

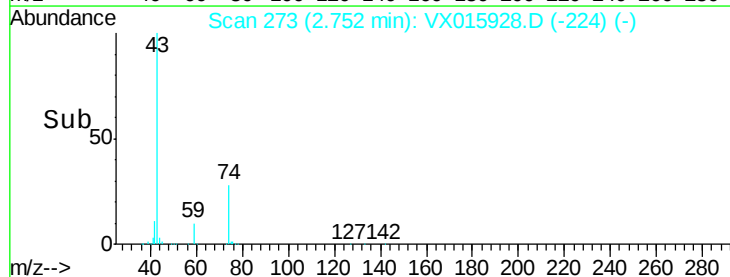
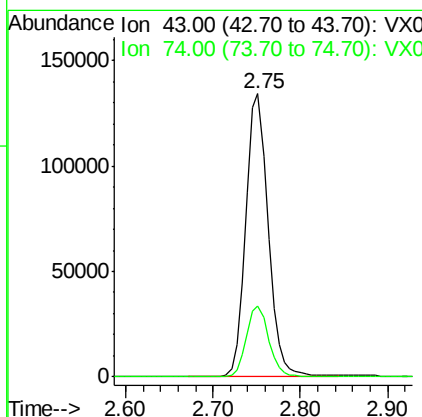
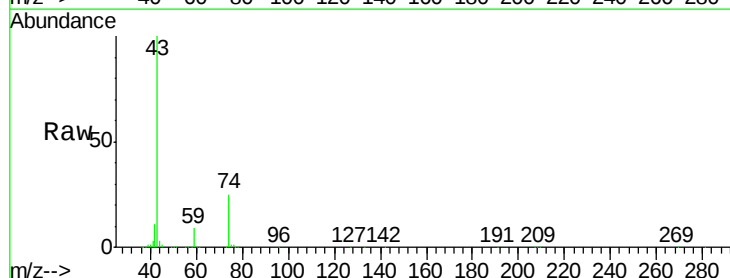
Manual Integrations
APPROVED

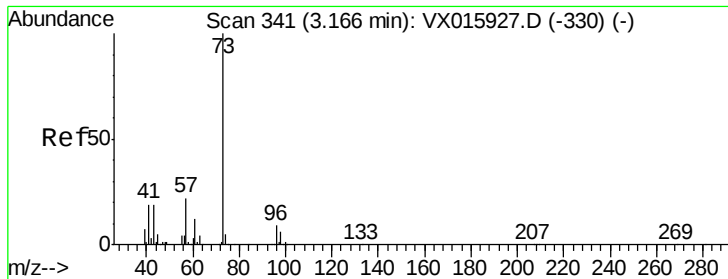
MMDadoda
4/27/2020 12:39:55 PM



#18
Methyl Acetate
Concen: 111.045 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.7	21.0	31.4





#19

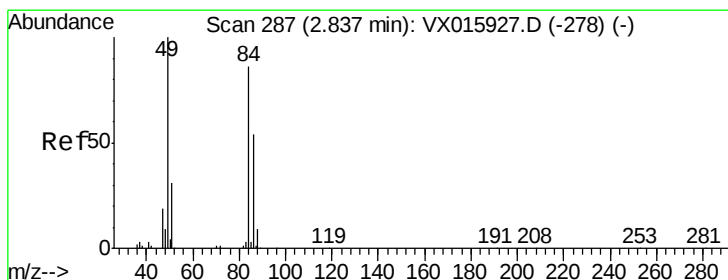
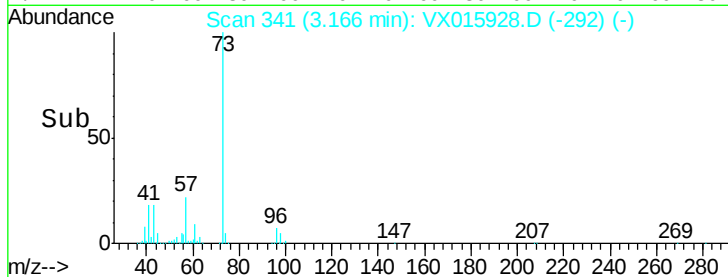
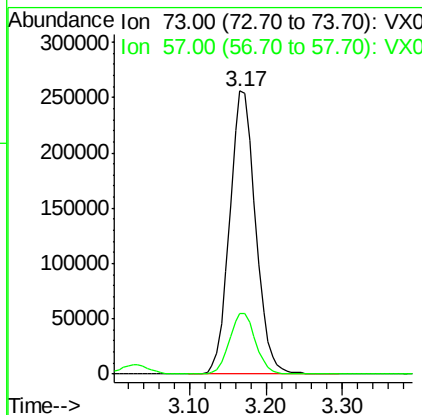
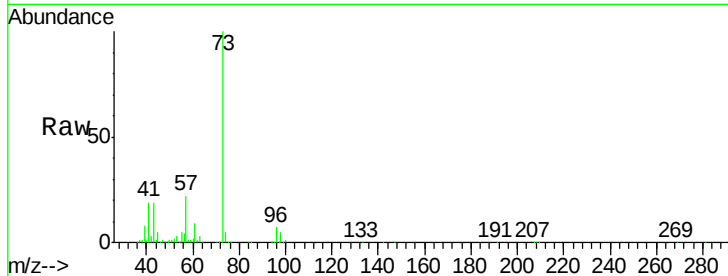
Methyl tert-butyl Ether
 Concen: 110.281 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VX015928.D
 Acq: 24 Apr 2020 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.3	25.9

Manual Integrations
 APPROVED

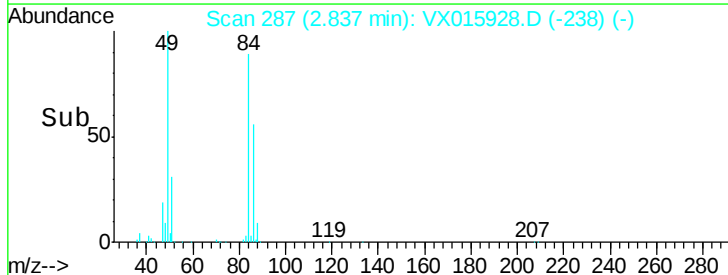
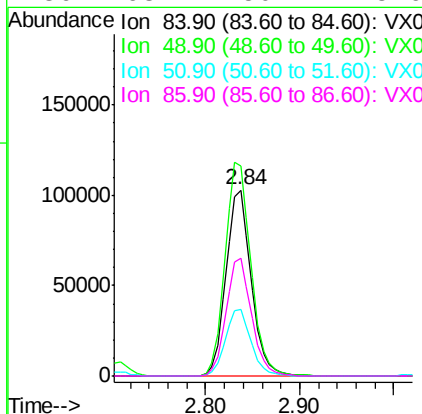
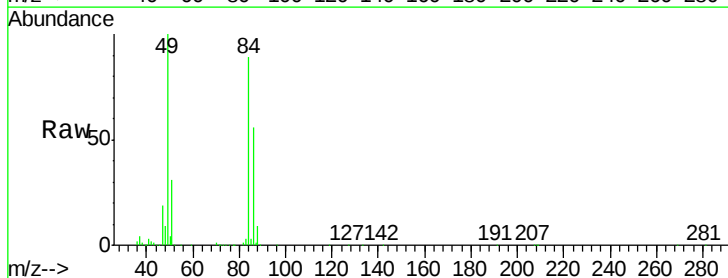
MMDadoda
 4/27/2020 12:39:55 PM

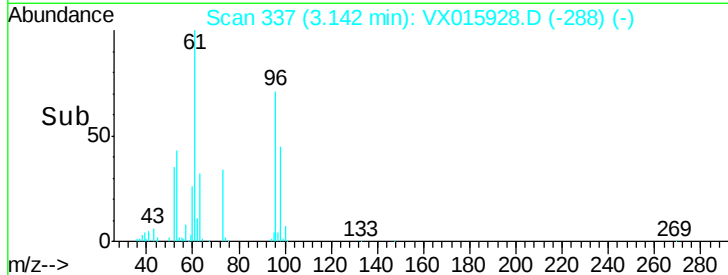
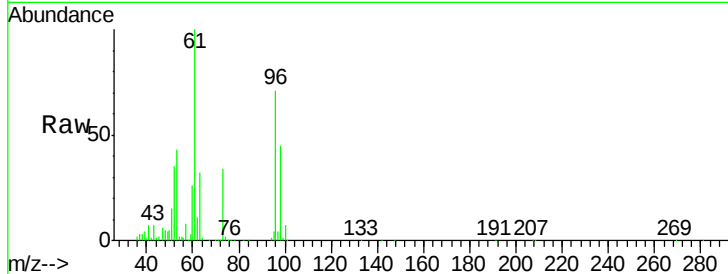
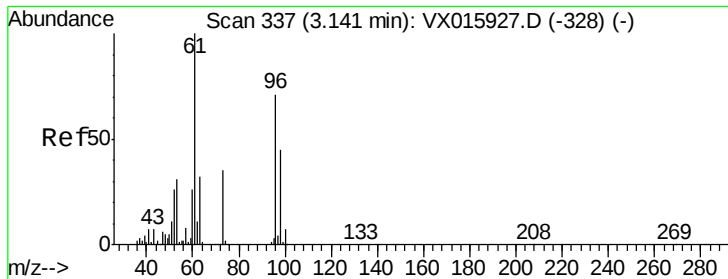


#20

Methylene Chloride
 Concen: 107.914 ug/l
 RT: 2.84 min Scan# 287
 Delta R.T. 0.00 min
 Lab File: VX015928.D
 Acq: 24 Apr 2020 12:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.9	93.0	139.6
51	35.5	28.6	43.0
86	63.1	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 108.007 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX015928.D

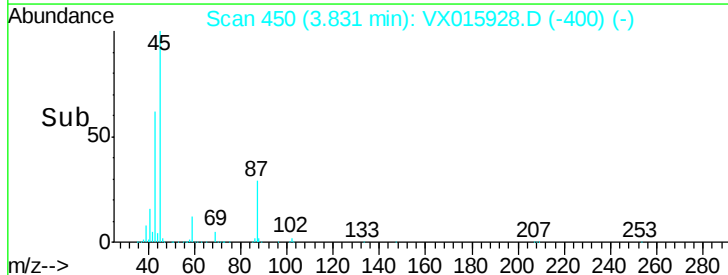
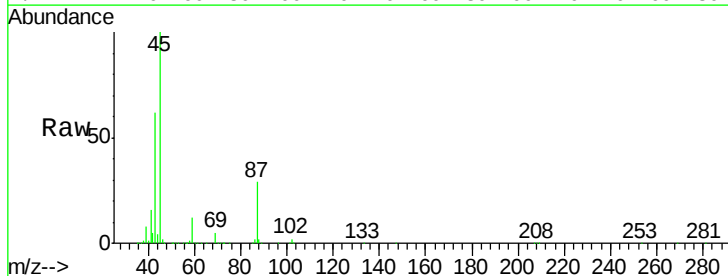
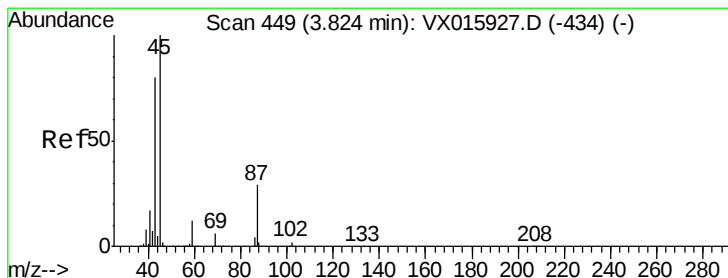
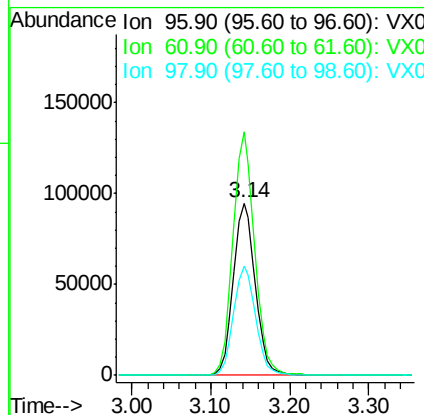
Acq: 24 Apr 2020 12:35

Tot Ion:	96	Resp:	183941
Ion	Ratio	Lower	Upper
96	100		
61	141.4	112.7	169.1
98	63.6	51.0	76.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Manual Integrations
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MMDadoda
4/27/2020 12:39:55 PM



#22

Diisopropyl ether

Concen: 108.109 ug/l

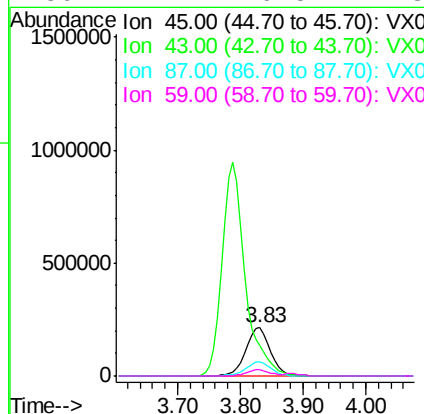
RT: 3.83 min Scan# 450

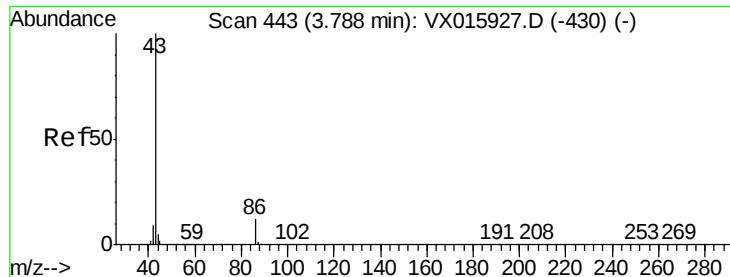
Delta R.T. 0.01 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Tgt Ion:	45	Resp:	577146
Ion	Ratio	Lower	Upper
45	100		
43	62.3	63.8	95.6#
87	28.9	22.9	34.3
59	12.2	9.5	14.3





#23

Vinyl Acetate

Concen: 557.919 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Tot Ion: 43 Resp: 2416362

Ion Ratio Lower Upper

43 100

86 11.5 9.4 14.2

Instrument :

MSVOA_X

ClientSampled :

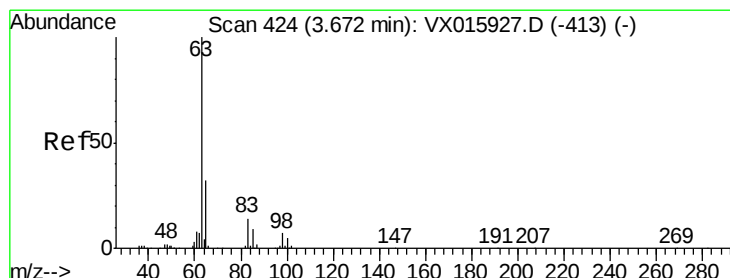
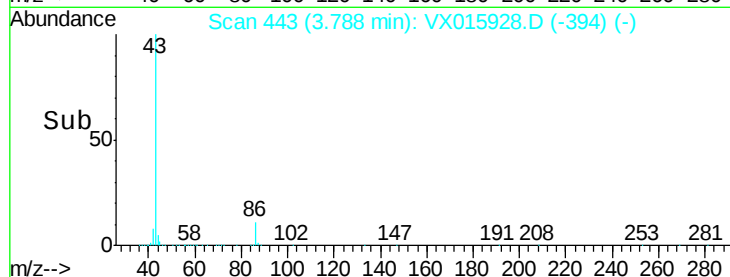
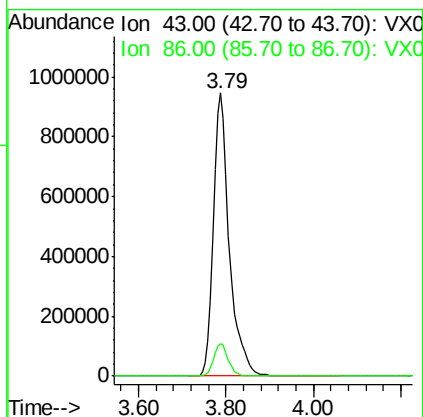
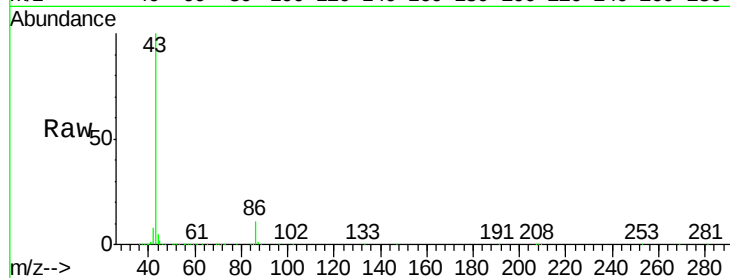
VSTDIC100

Manual Integrations

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MMDadoda

4/27/2020 12:39:55 PM



#24

1,1-Dichloroethane

Concen: 109.647 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

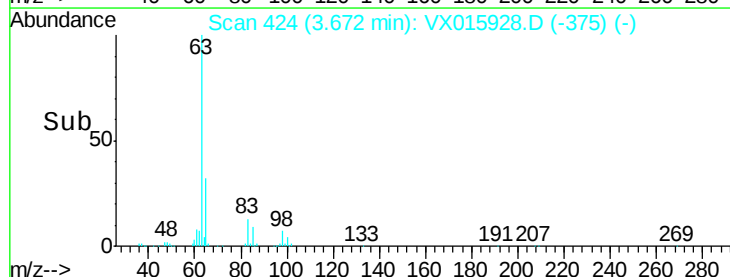
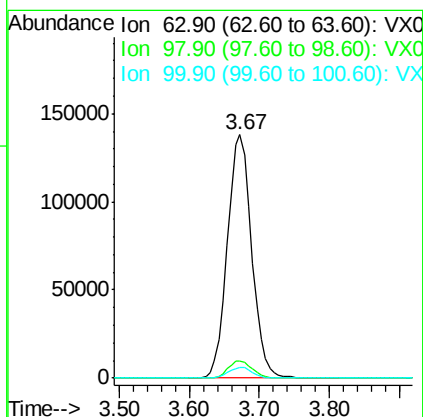
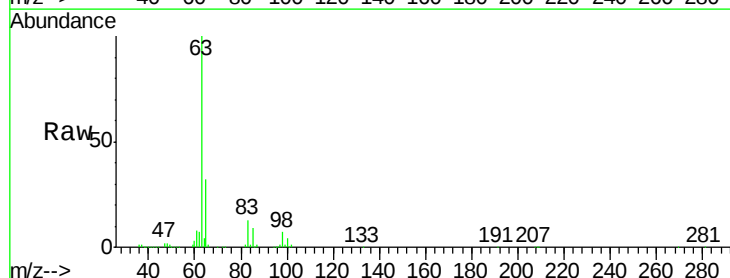
Tgt Ion: 63 Resp: 333065

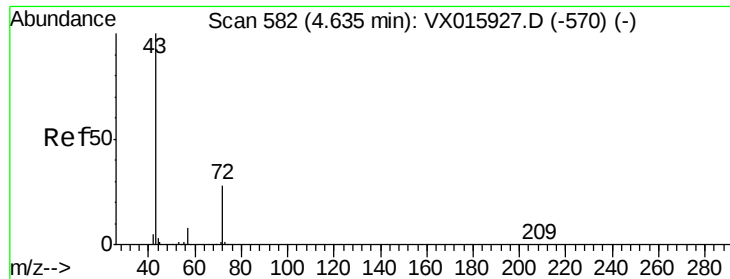
Ion Ratio Lower Upper

63 100

98 7.2 3.7 11.1

100 4.3 2.3 6.9





#25

2-Butanone

Concen: 569.391 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 651879

Ion Ratio Lower Upper

43 100

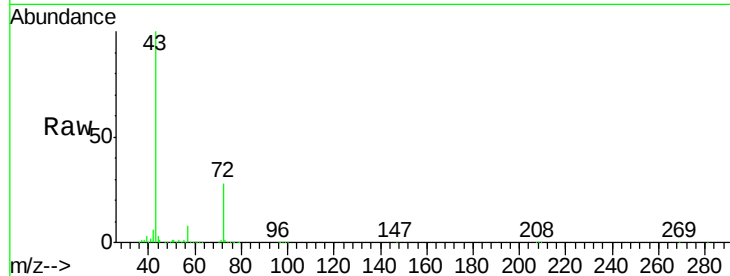
72 28.0 22.4 33.6

Manual Integrations

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4/27/2020 12:39:55 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

100000

50000

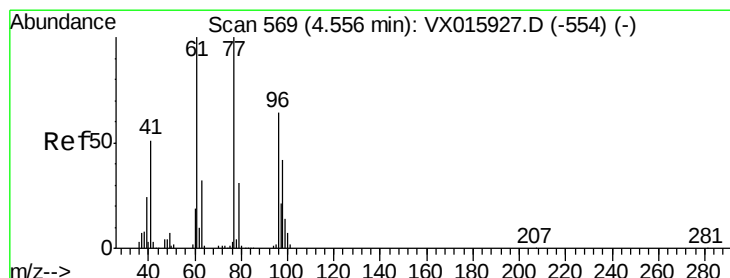
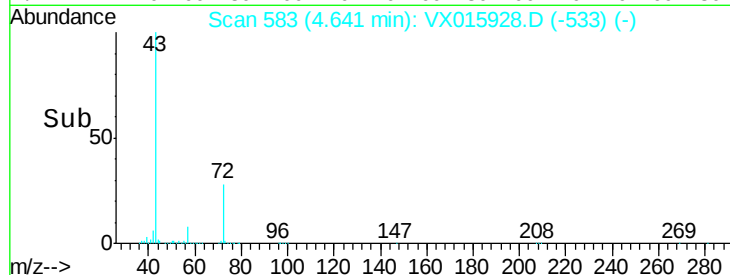
0

4.64

4.60

4.70

Time-->



#26

2,2-Dichloropropane

Concen: 106.175 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VX015928.D

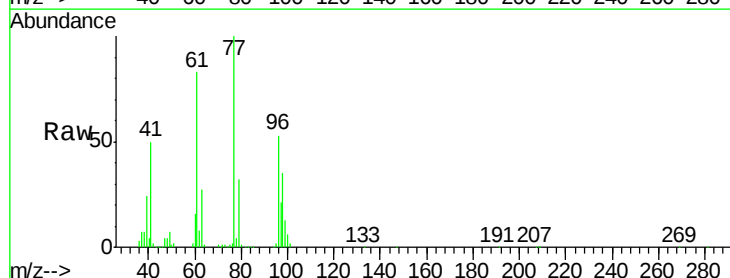
Acq: 24 Apr 2020 12:35

Tgt Ion: 77 Resp: 287829

Ion Ratio Lower Upper

77 100

97 22.6 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

100000

80000

60000

40000

20000

0

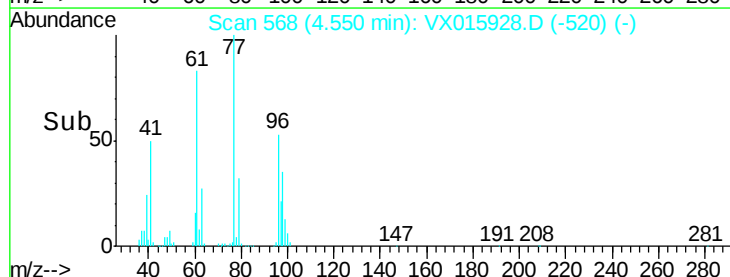
4.55

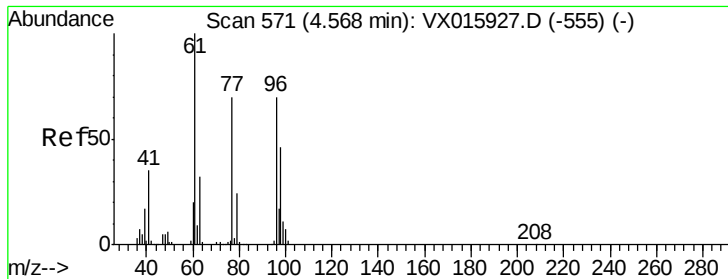
4.40

4.60

4.70

Time-->





#27

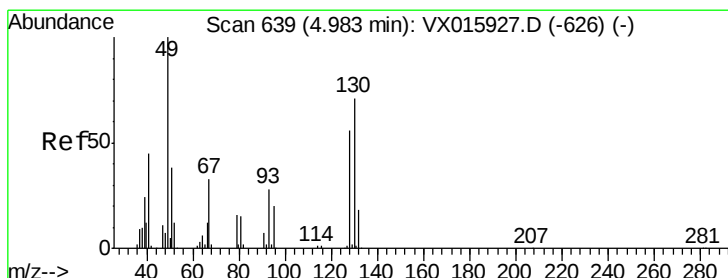
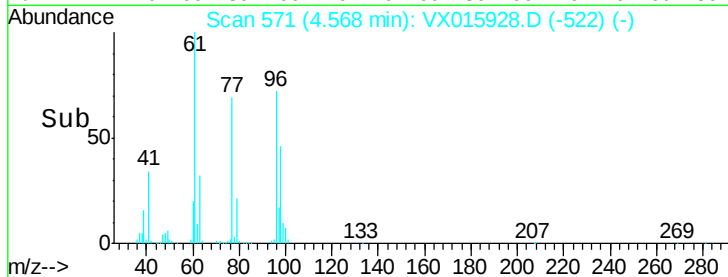
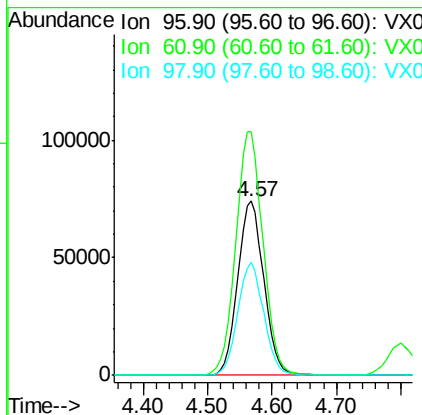
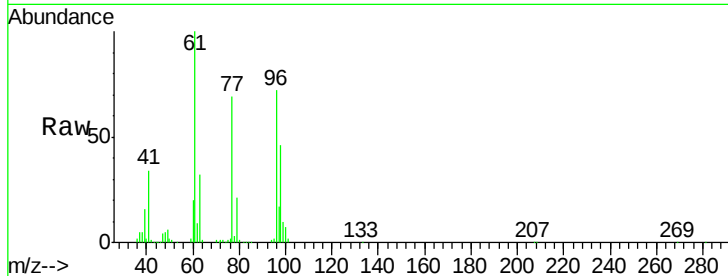
cis-1,2-Dichloroethene
Concen: 107.932 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	209153		
61	145.5		0.0	293.4
98	64.2		0.0	129.0

Manual Integrations
APPROVED

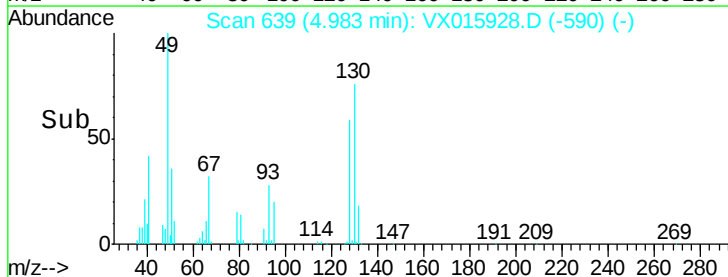
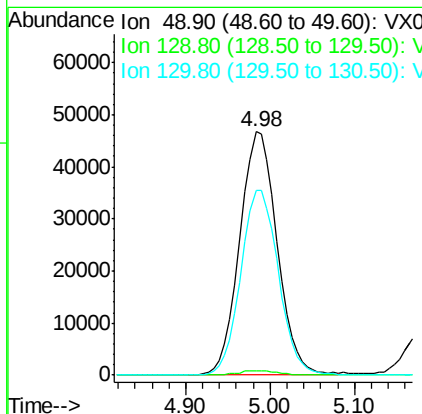
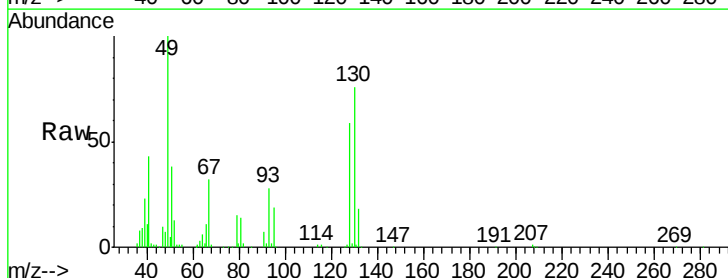
MMDadoda
4/27/2020 12:39:55 PM

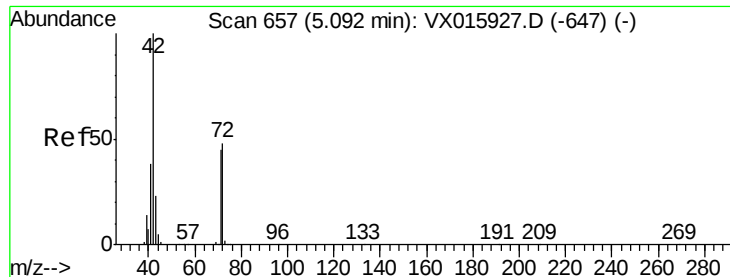


#28

Bromochloromethane
Concen: 104.098 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	141031		
129	1.9		0.0	3.8
130	76.4		60.7	91.1





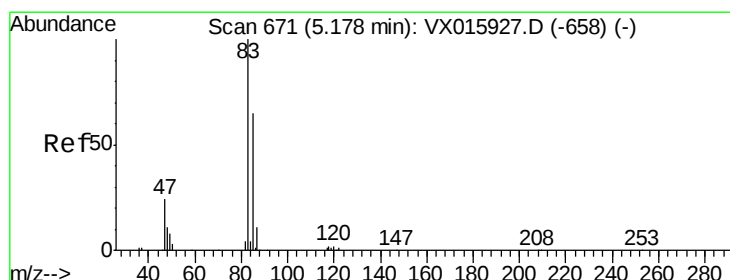
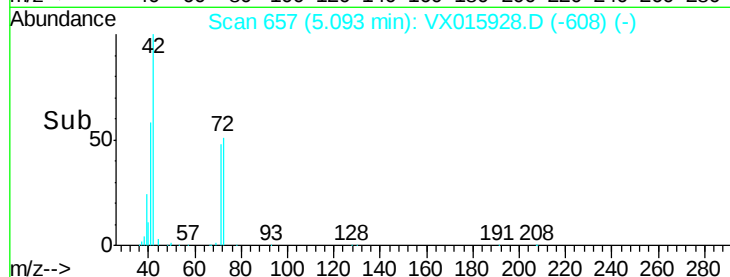
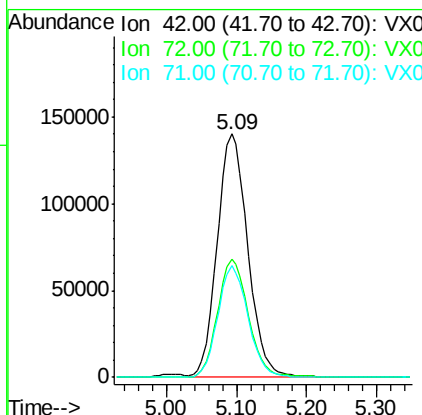
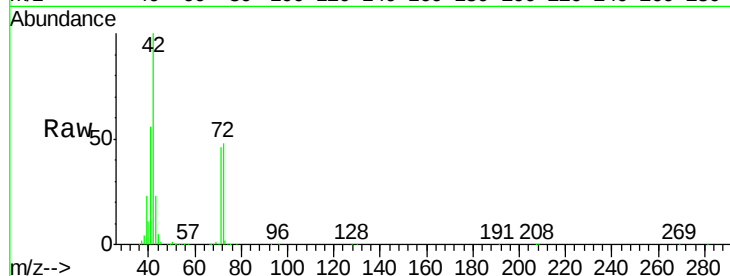
#29
Tetrahydrofuran
Concen: 556.571 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.2	39.5	59.3
71	45.8	36.4	54.6

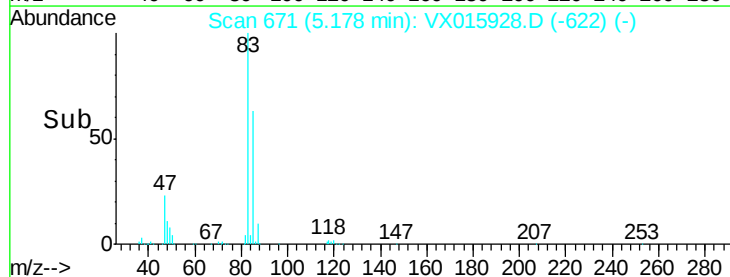
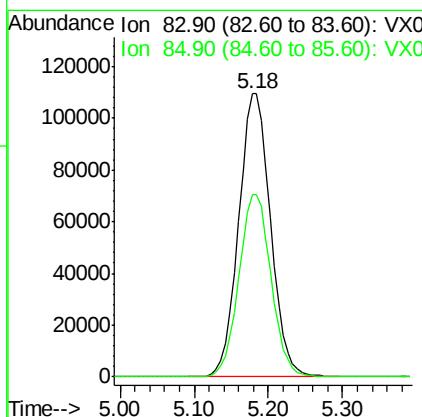
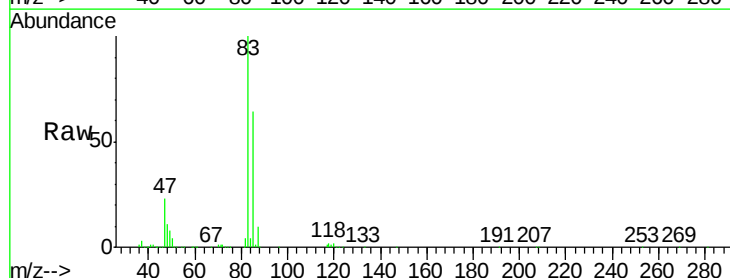
Manual Integrations
APPROVED

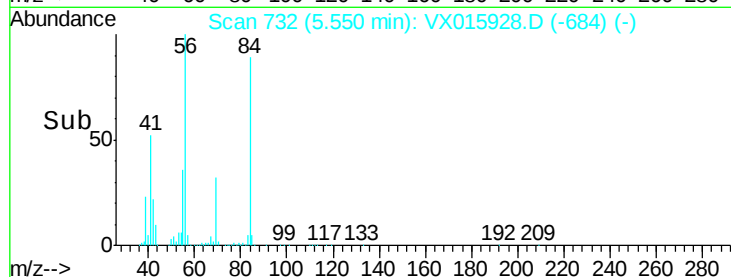
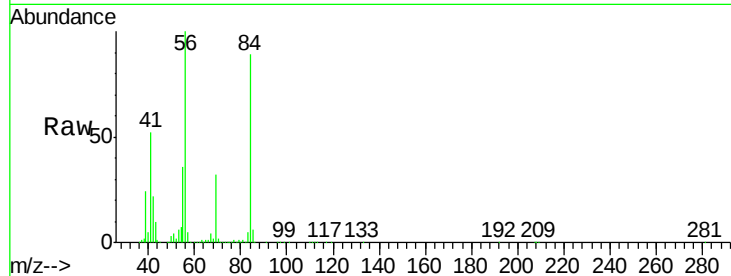
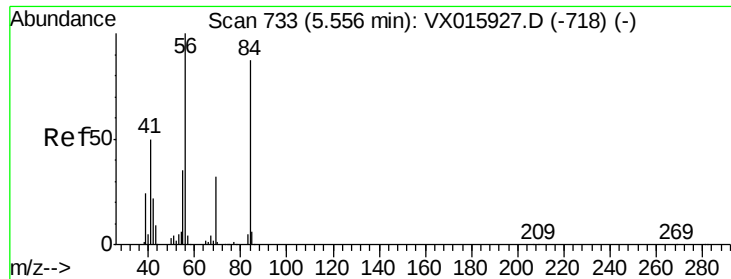
MMDadoda
4/27/2020 12:39:55 PM



#30
Chloroform
Concen: 109.641 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.7	77.5





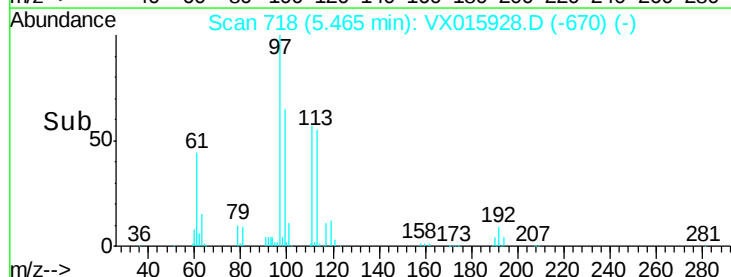
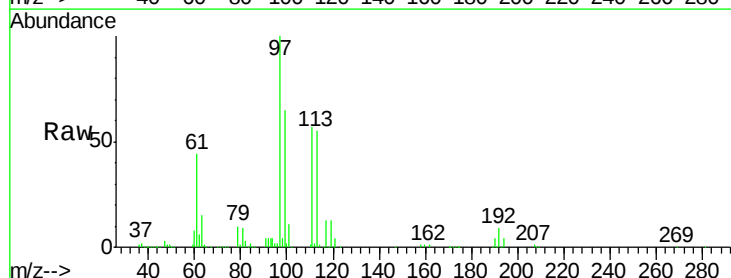
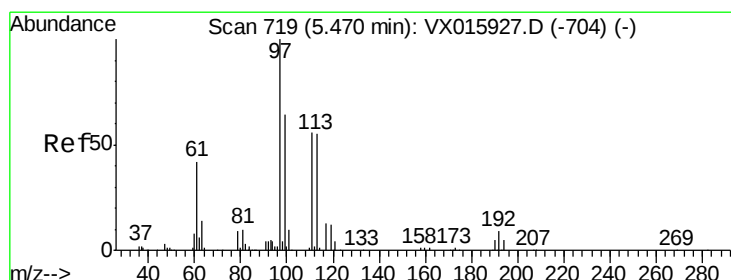
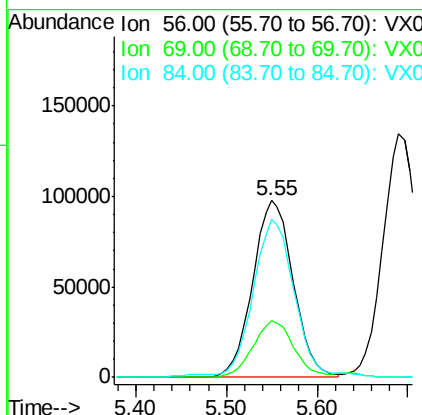
#31
Cyclohexane
Concen: 109.238 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.01 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		301688		
69	32.0	25.4		38.0	
84	88.0	69.5		104.3	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

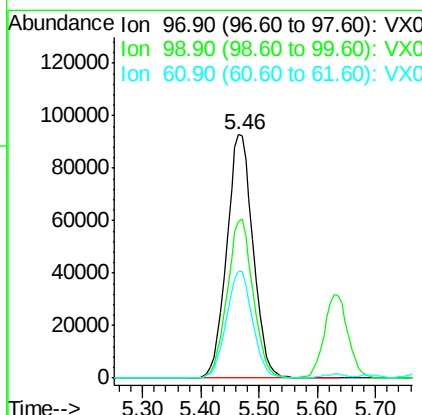
Manual Integrations
APPROVED

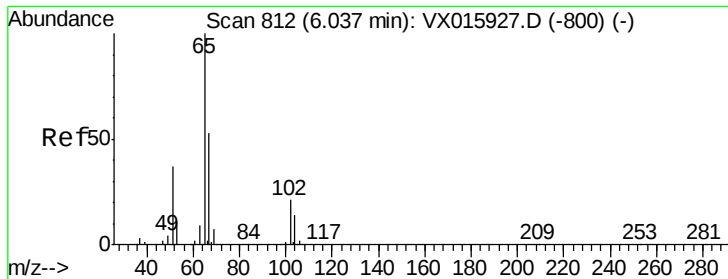
MMDadoda
4/27/2020 12:39:55 PM



#32
1,1,1-Trichloroethane
Concen: 106.960 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.01 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		291275		
99	64.0	51.1		76.7	
61	43.8	35.0		52.4	





#33

1,2-Dichloroethane-d4

Concen: 107.516 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Tot Ion: 65 Resp: 207207

Ion Ratio Lower Upper

65 100

67 52.8 0.0 106.6

Instrument :

MSVOA_X

ClientSampled :

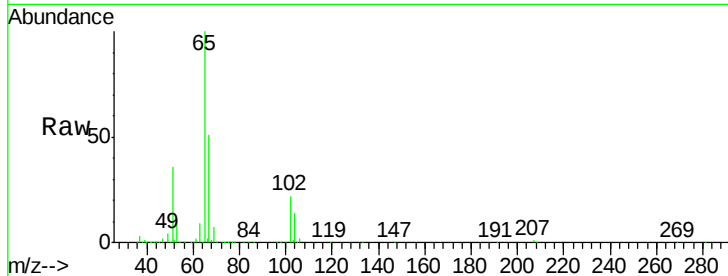
VSTDIC100

Manual Integrations

APPROVED

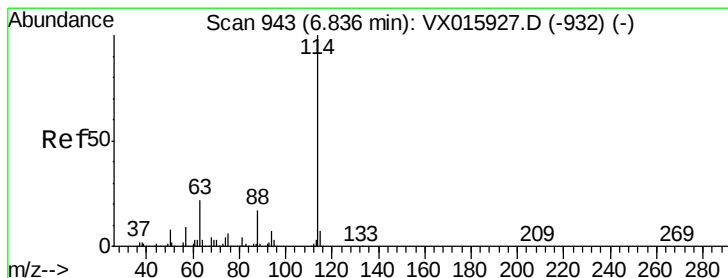
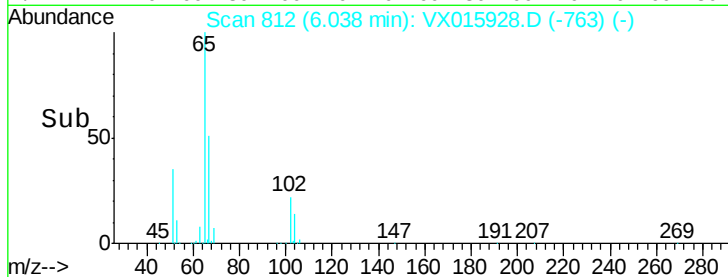
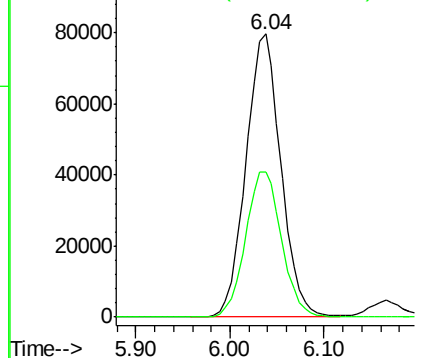
MMDadoda

4/27/2020 12:39:55 PM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

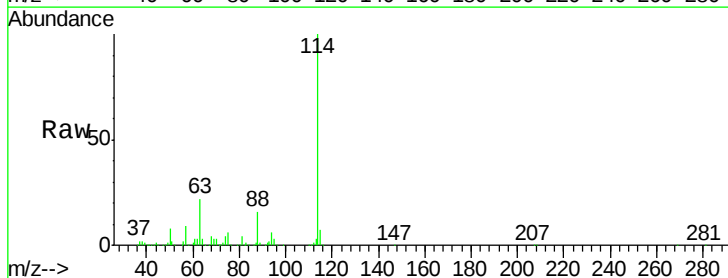
Tgt Ion: 114 Resp: 264213

Ion Ratio Lower Upper

114 100

63 21.8 0.0 44.4

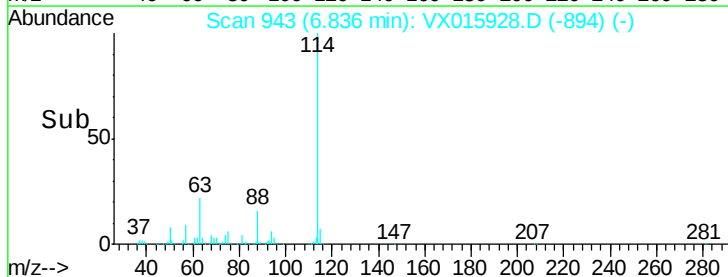
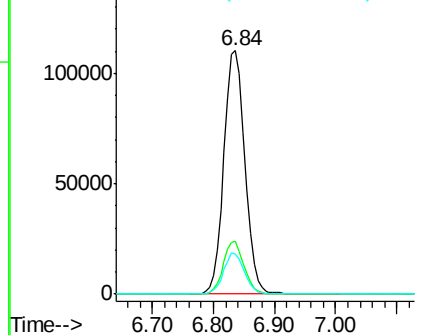
88 16.3 0.0 34.2

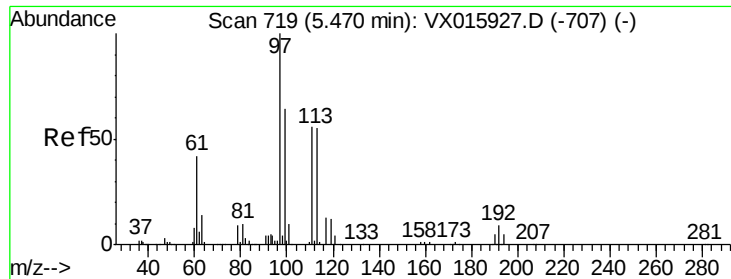


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





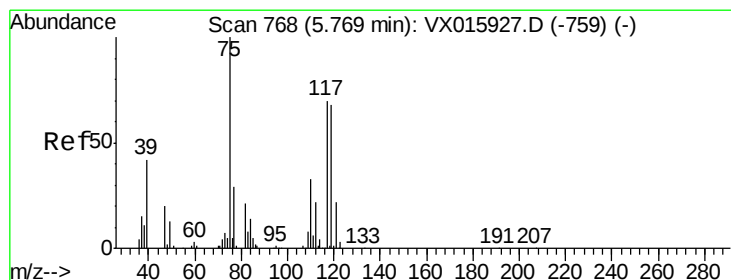
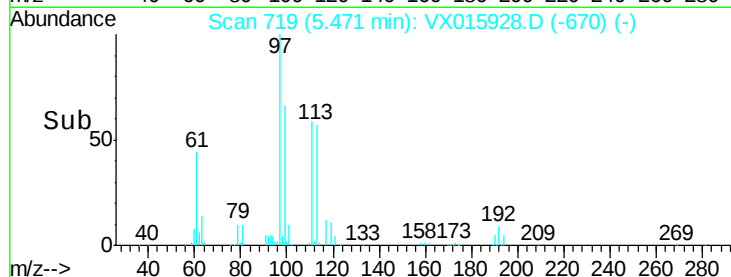
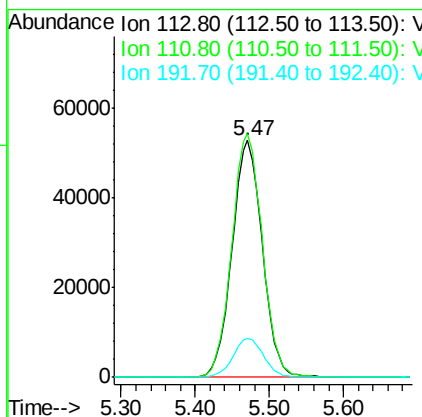
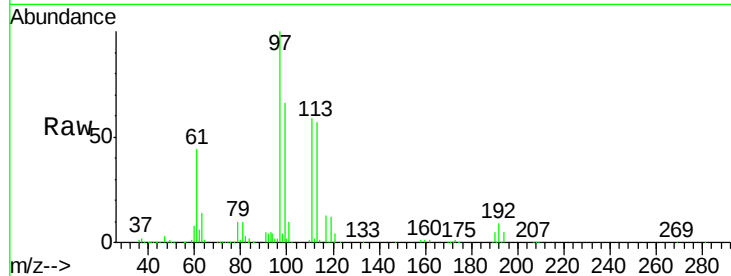
#35
Dibromofluoromethane
Concen: 102.615 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	150857		
111	103.2	81.2	121.8	
192	16.6	13.6	20.4	

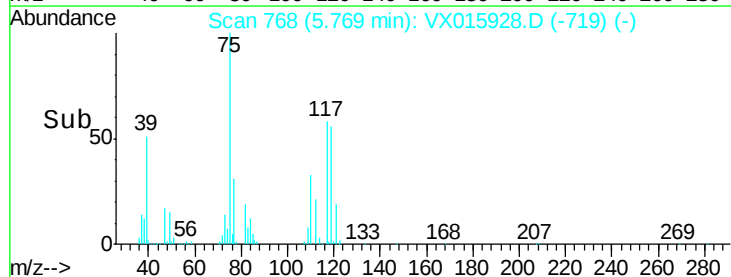
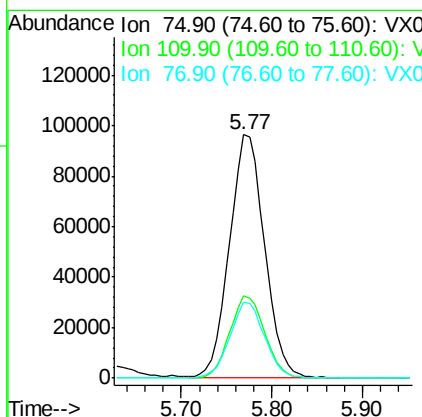
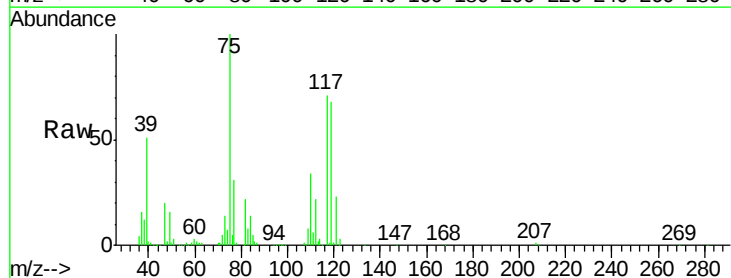
Manual Integrations
APPROVED

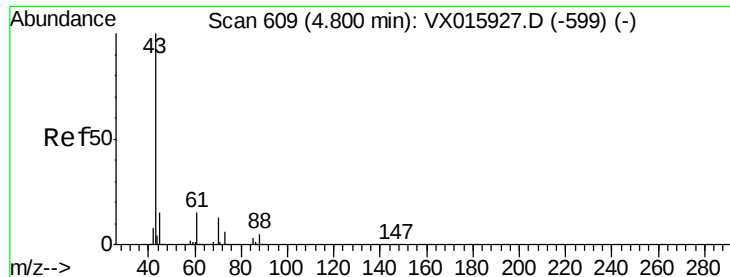
MMDadoda
4/27/2020 12:39:55 PM



#36
1,1-Dichloropropene
Concen: 103.188 ug/l
RT: 5.77 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	257933		
110	34.1	17.1	51.3	
77	30.7	25.0	37.4	





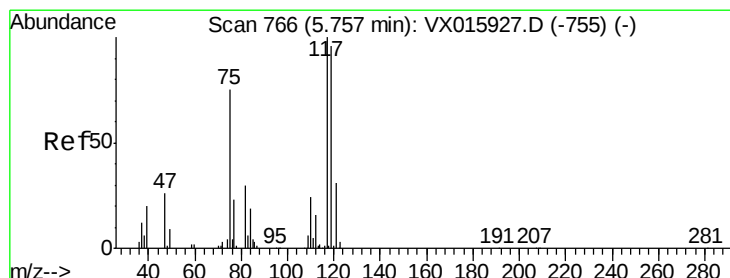
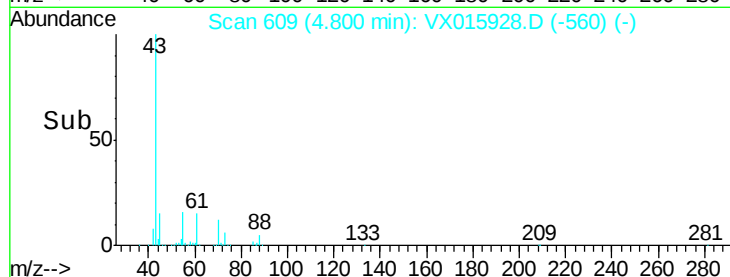
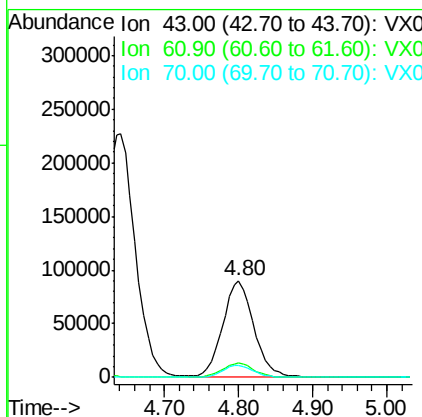
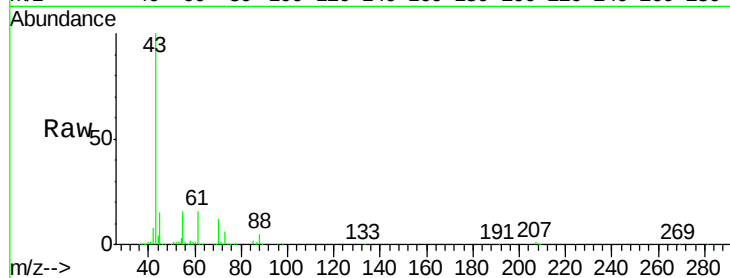
#37
Ethyl Acetate
Concen: 104.311 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.6	17.4
70	12.2	9.8	14.6

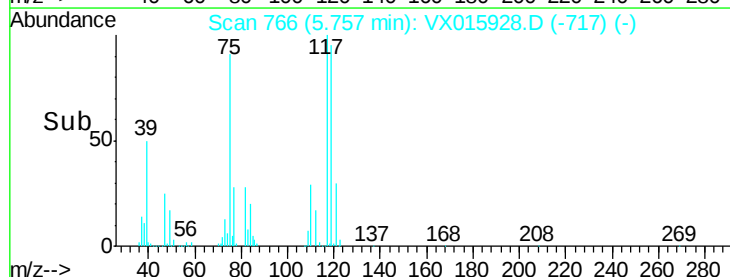
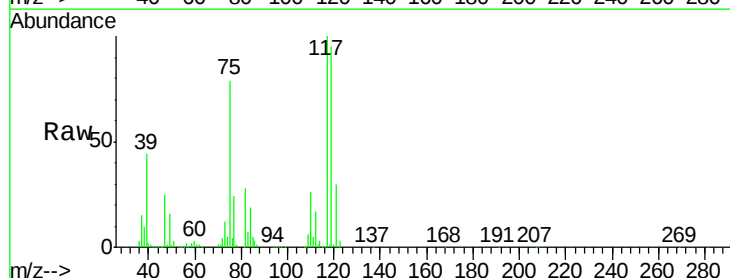
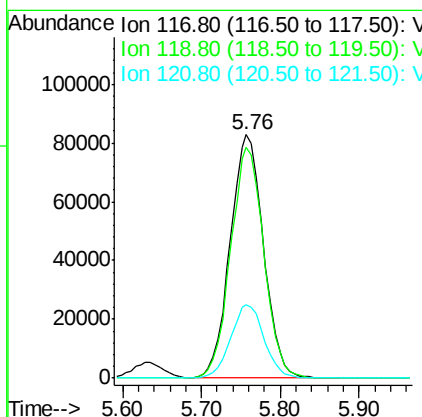
Manual Integrations
APPROVED

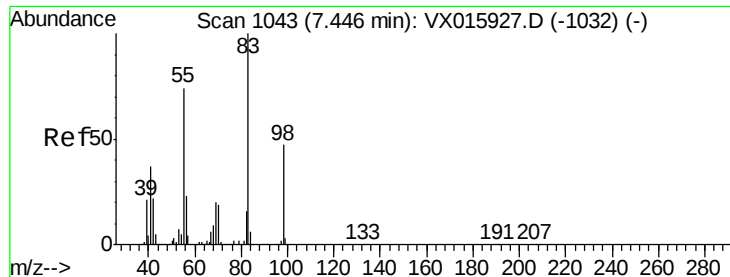
MMDadoda
4/27/2020 12:39:55 PM



#38
Carbon Tetrachloride
Concen: 107.288 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.0	115.6
121	30.4	25.0	37.4





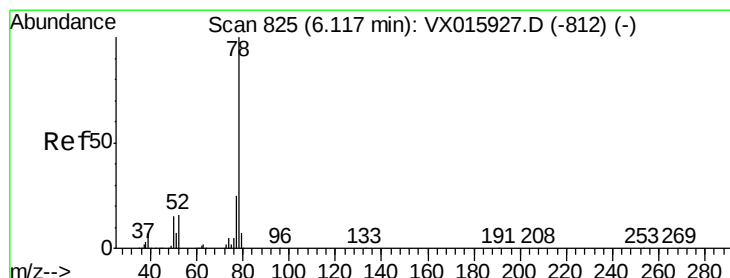
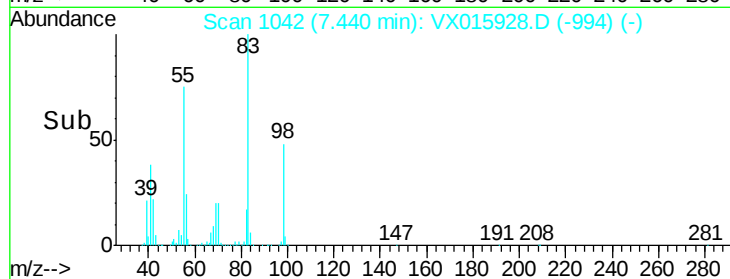
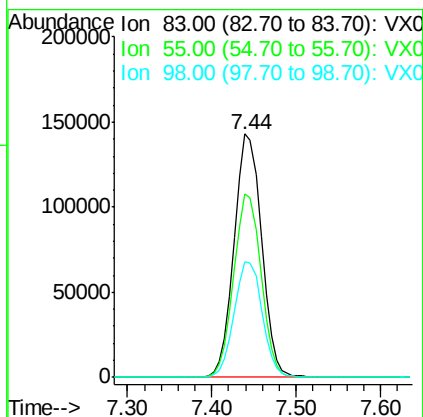
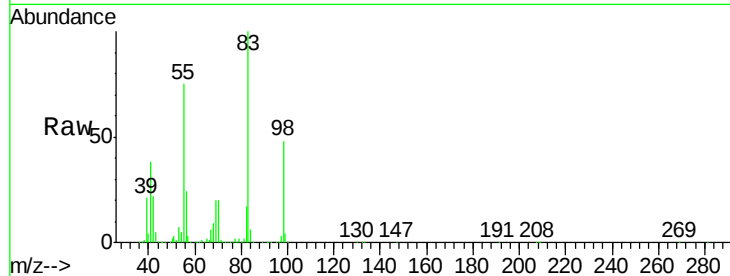
#39
Methvlcvclohexane
Concen: 105.092 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.4	59.0	88.4	
98	47.6	37.4	56.0	

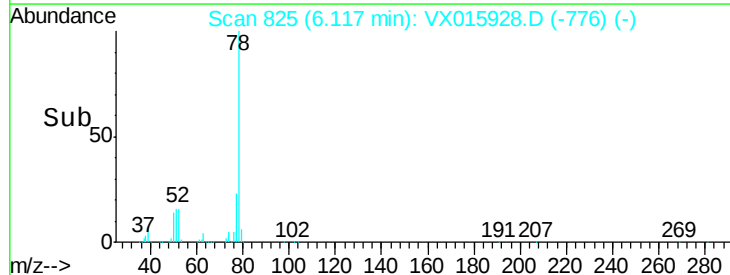
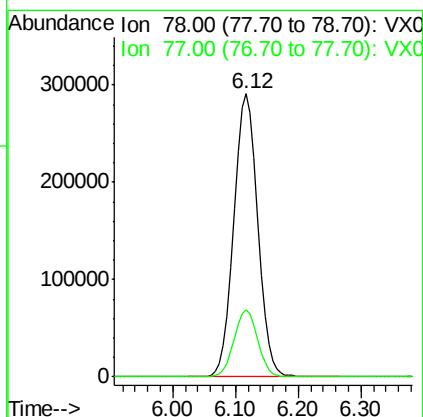
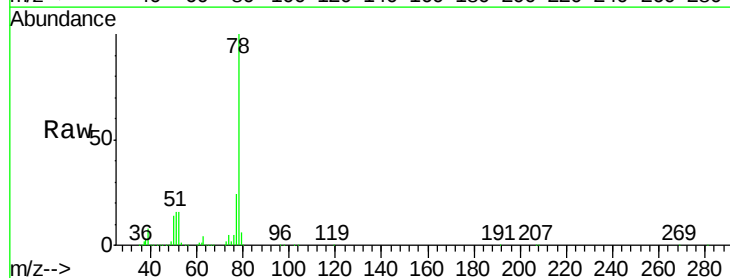
Manual Integrations
APPROVED

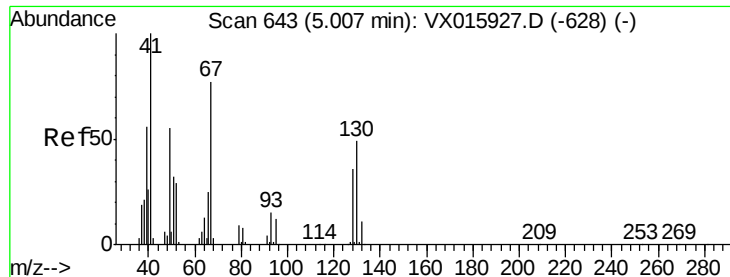
MMDadoda
4/27/2020 12:39:55 PM



#40
Benzene
Concen: 105.929 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.5	19.8	29.8	





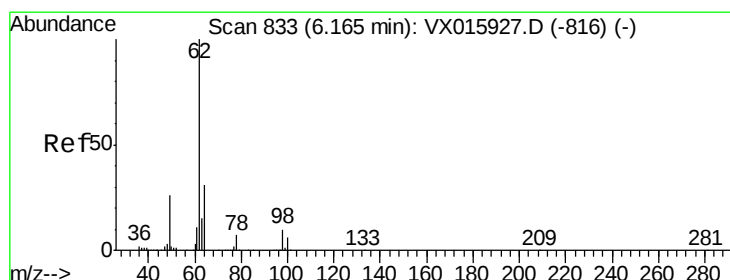
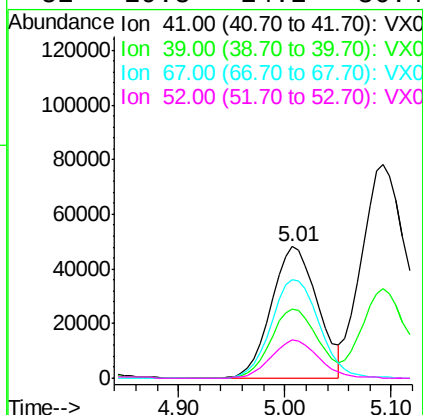
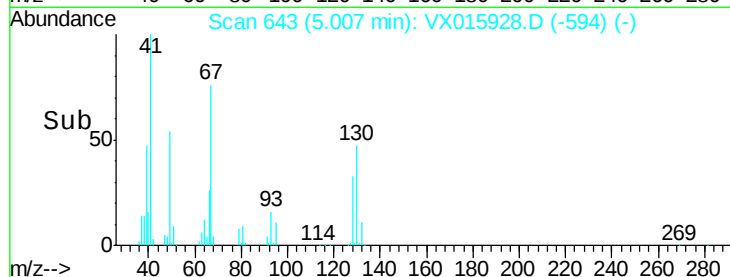
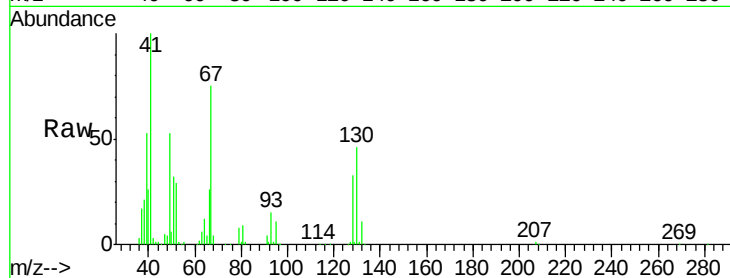
#41
Methacrylonitrile
Concen: 100.849 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.4	42.8	64.2	
67	78.0	62.0	93.0	
52	29.8	24.2	36.4	

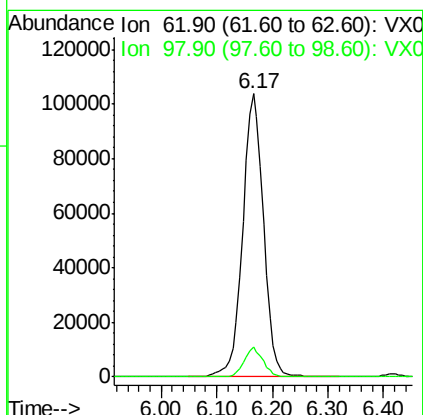
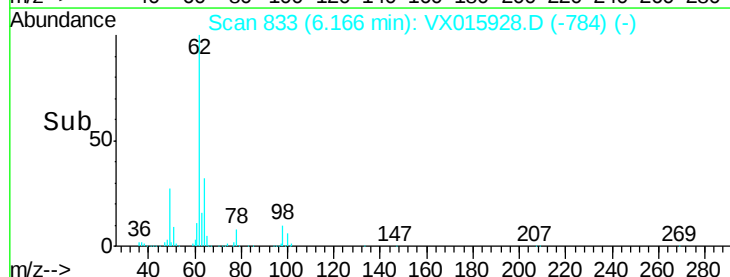
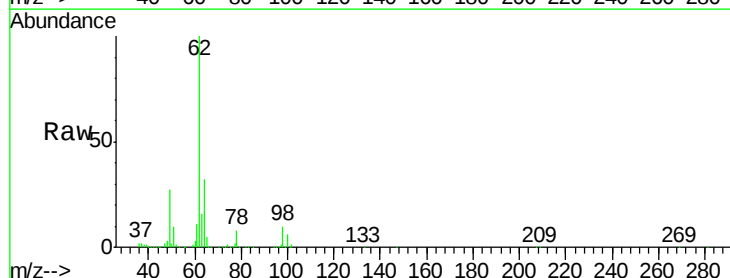
Manual Integrations
APPROVED

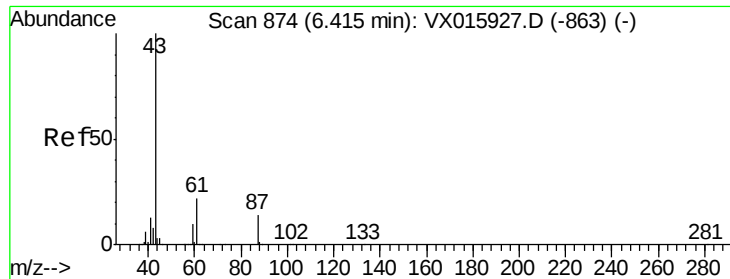
MMDadoda
4/27/2020 12:39:55 PM



#42
1,2-Dichloroethane
Concen: 105.833 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	20.0	





#43

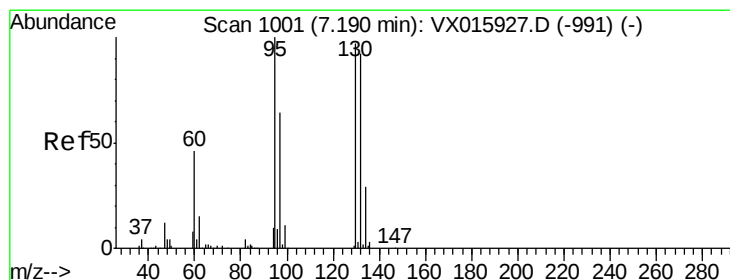
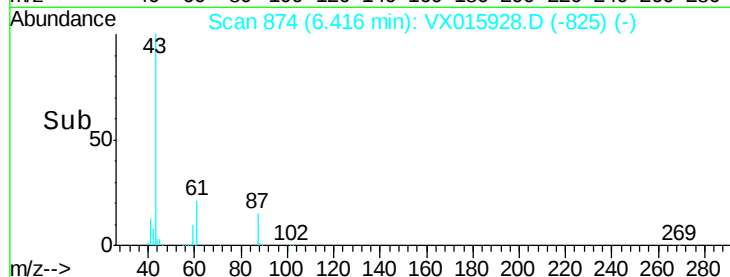
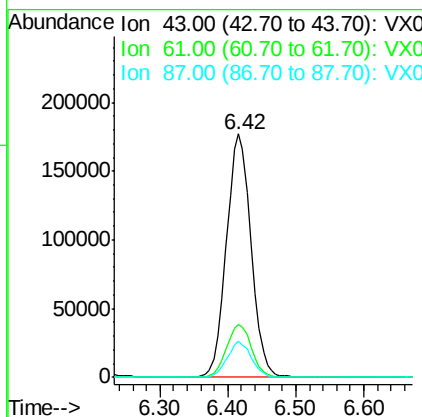
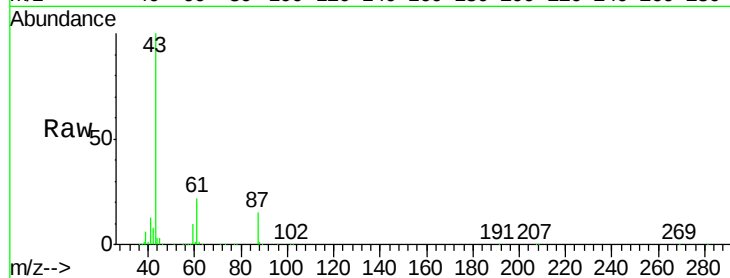
Isopropyl Acetate
 Concen: 109.090 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VX015928.D
 Acq: 24 Apr 2020 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.2	17.6	26.4
87	14.6	11.6	17.4

Manual Integrations
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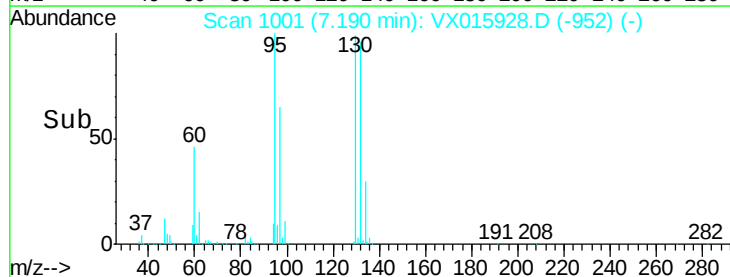
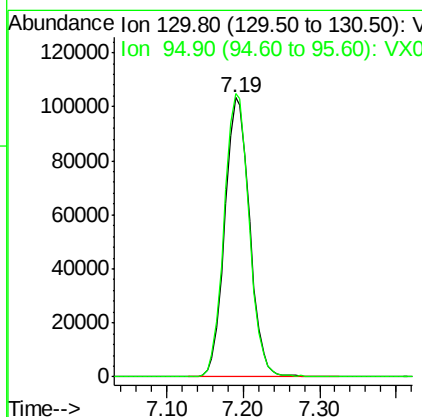
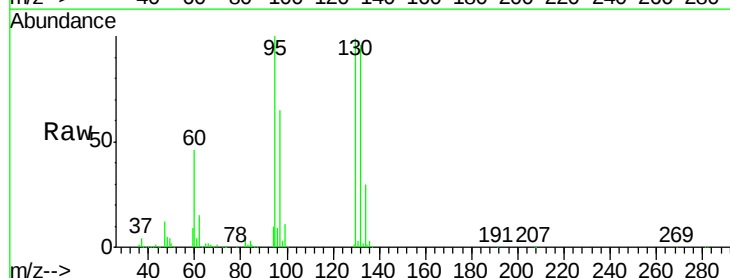
MMDadoda
 4/27/2020 12:39:55 PM

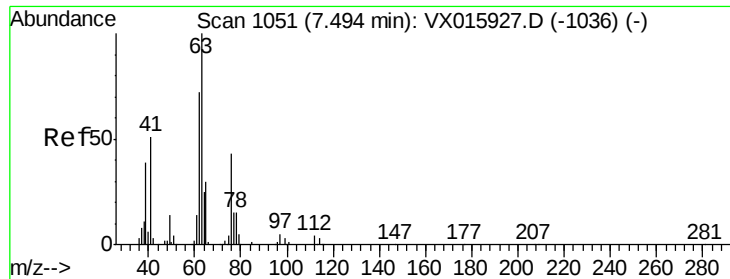


#44

Trichloroethene
 Concen: 102.999 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX015928.D
 Acq: 24 Apr 2020 12:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	205.2





#45

1,2-Dichloropropane

Concen: 106.458 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 197126

Ion Ratio Lower Upper

63 100

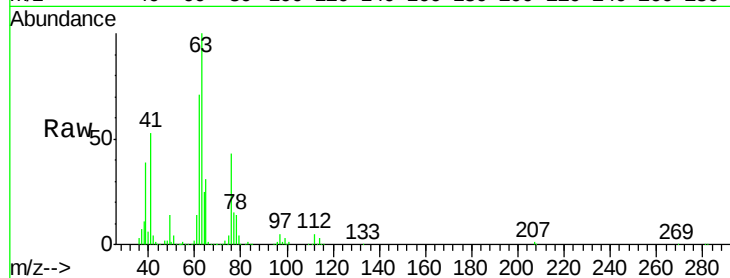
65 31.2 24.3 36.5

Manual Integrations

APPROVED

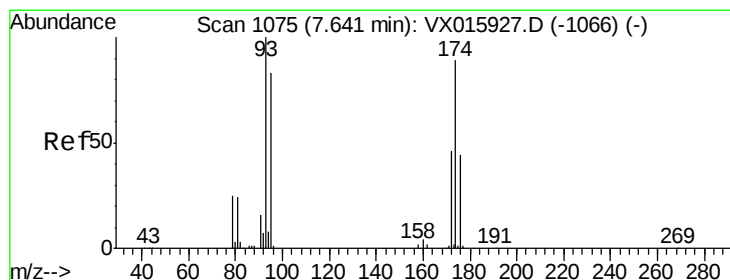
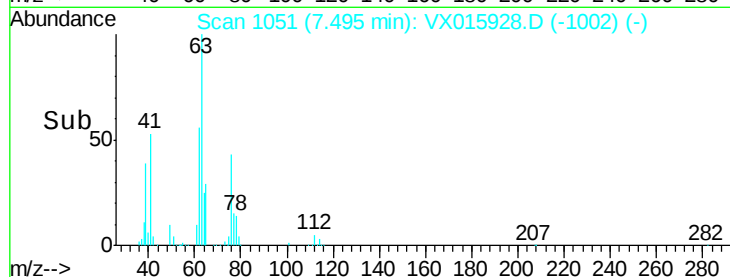
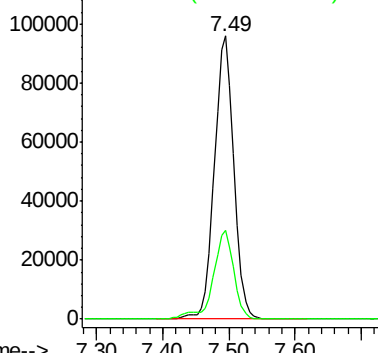
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 106.125 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

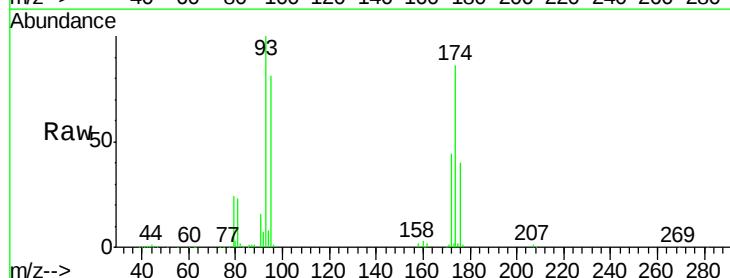
Tgt Ion: 93 Resp: 131630

Ion Ratio Lower Upper

93 100

95 82.6 65.7 98.5

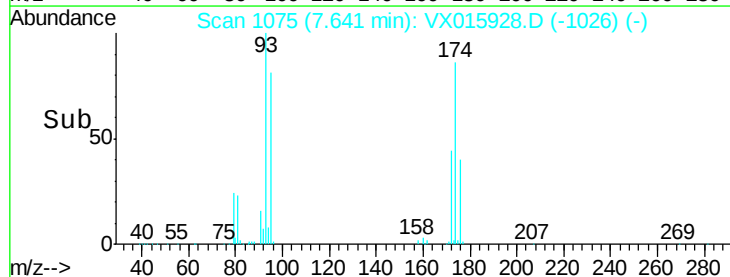
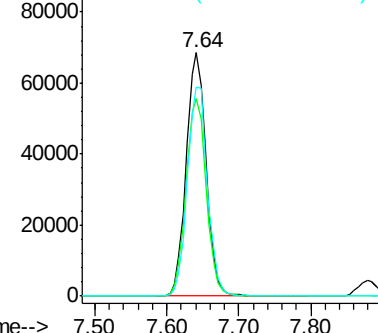
174 87.3 70.6 105.8

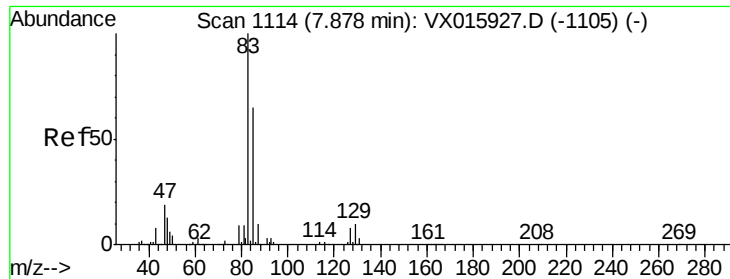


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 109.958 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

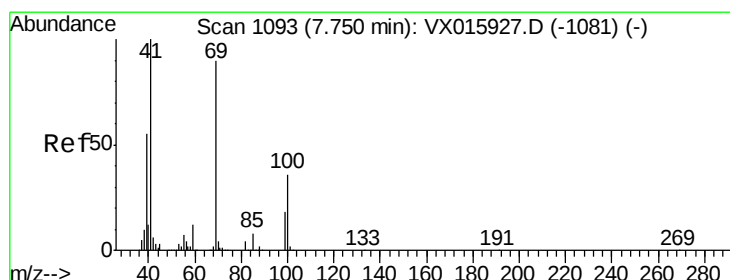
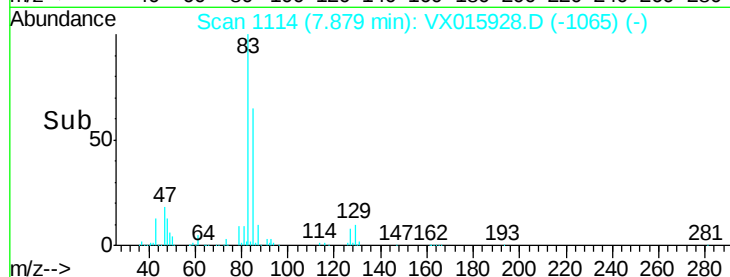
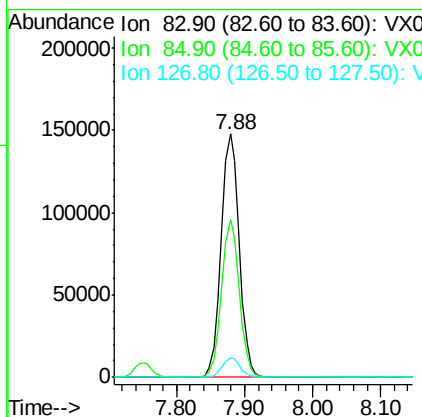
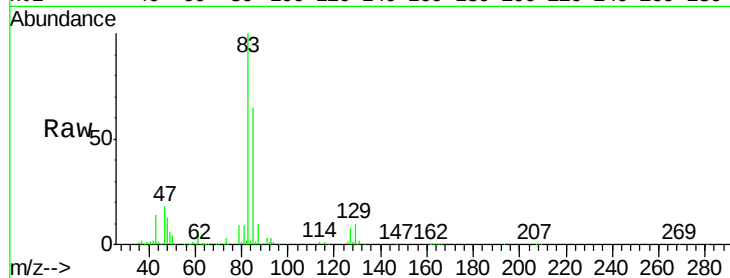
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	273391
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.6	77.4
127	8.1	6.7	10.1

Manual Integrations
APPROVED

MMDadoda
4/27/2020 12:39:55 PM



#48

Methyl methacrylate

Concen: 107.672 ug/l

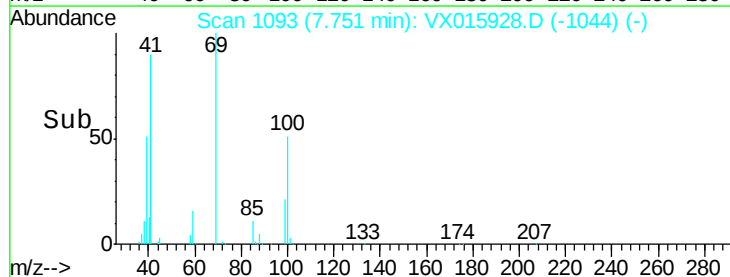
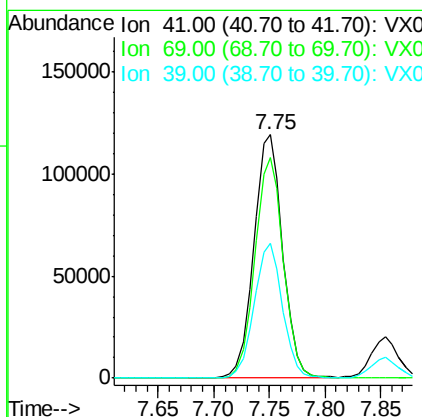
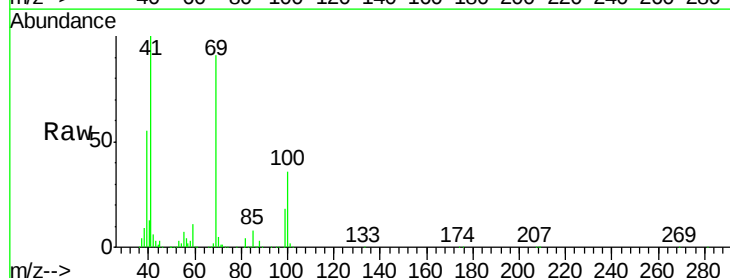
RT: 7.75 min Scan# 1093

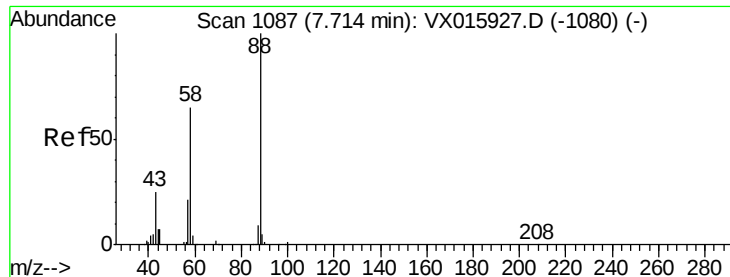
Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Tgt Ion:	41	Resp:	214410
Ion Ratio	Lower	Upper	
41	100		
69	90.3	72.0	108.0
39	54.6	44.1	66.1





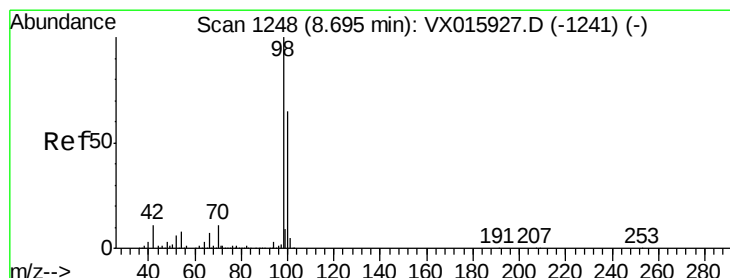
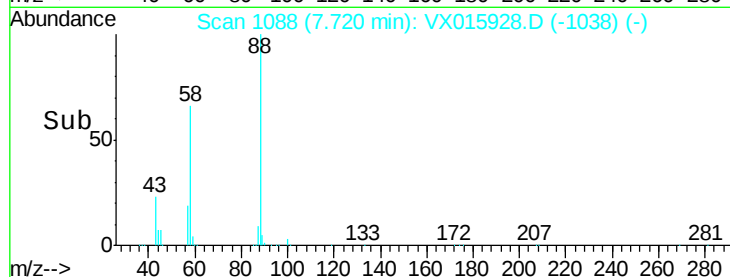
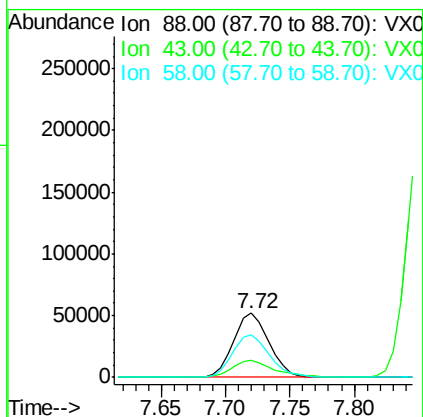
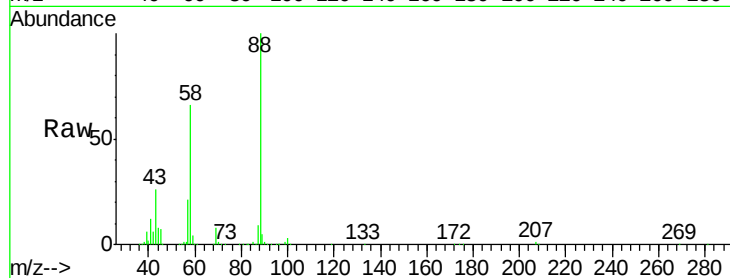
#49
1,4-Dioxane
Concen: 2308.175 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.4	23.8	35.8
58	69.4	55.7	83.5

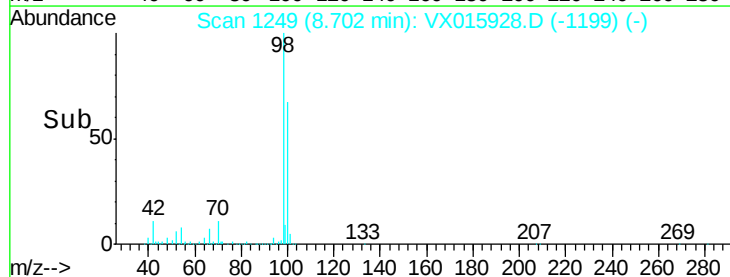
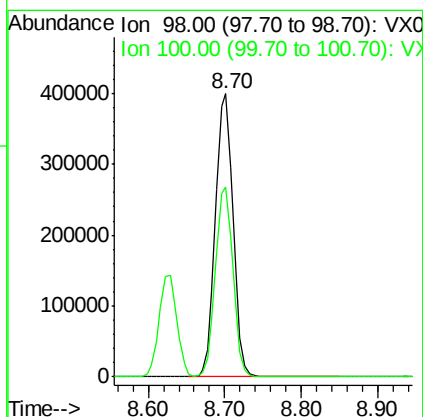
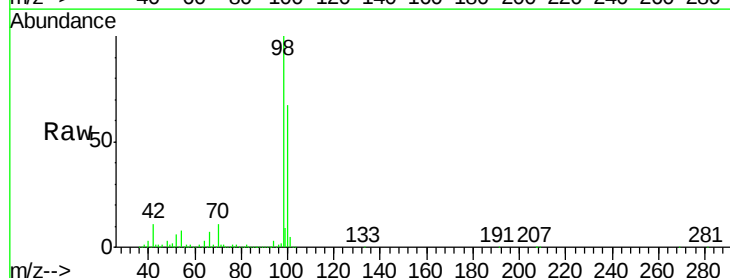
Manual Integrations
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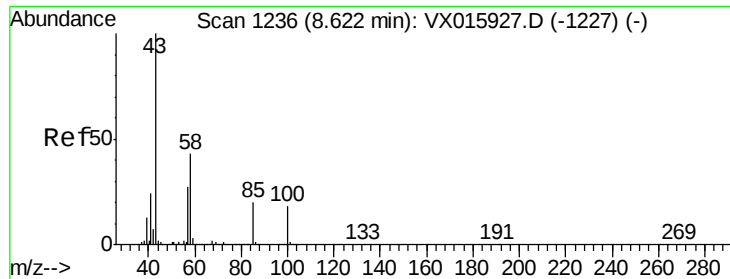
MMDadoda
4/27/2020 12:39:55 PM



#50
Toluene-d8
Concen: 107.363 ug/l
RT: 8.70 min Scan# 1249
Delta R.T. 0.01 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 565.578 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1320957

Ion Ratio Lower Upper

43 100

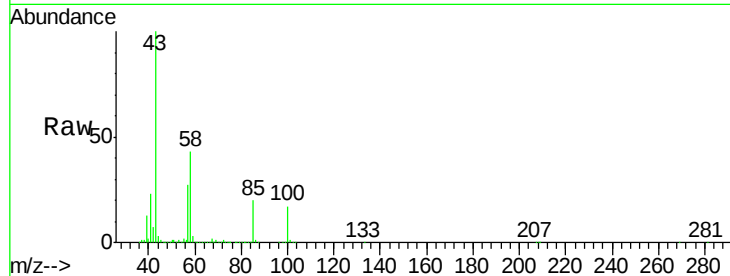
58 43.0 34.2 51.4

Manual Integrations

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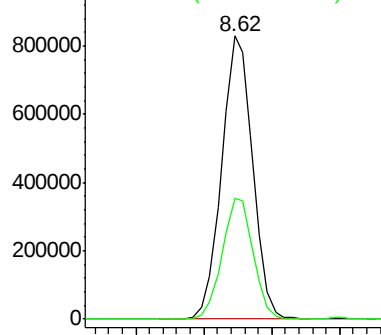
MMDadoda

4/27/2020 12:39:55 PM

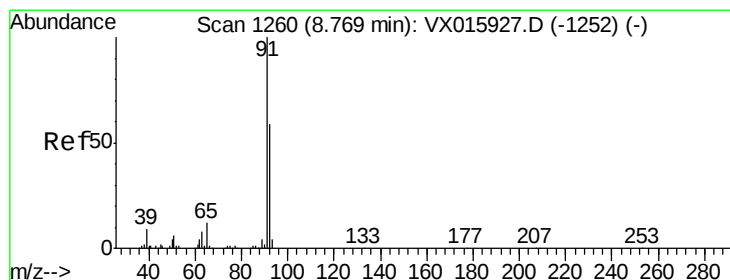
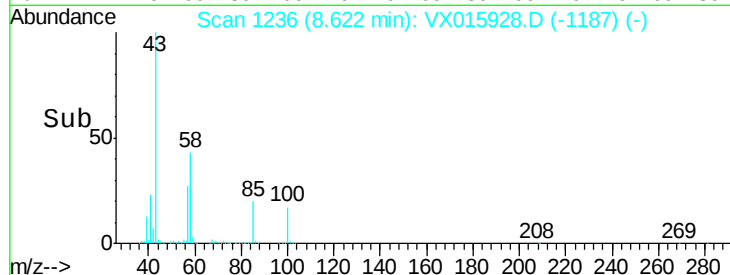


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#52

Toluene

Concen: 106.534 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX015928.D

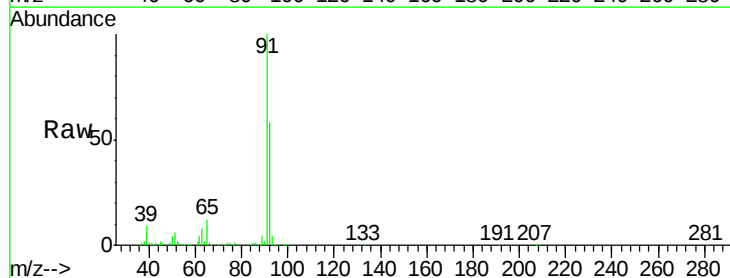
Acq: 24 Apr 2020 12:35

Tgt Ion: 92 Resp: 489482

Ion Ratio Lower Upper

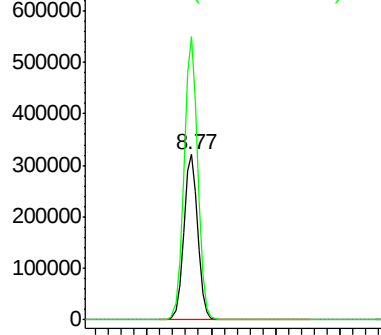
92 100

91 168.4 134.0 201.0

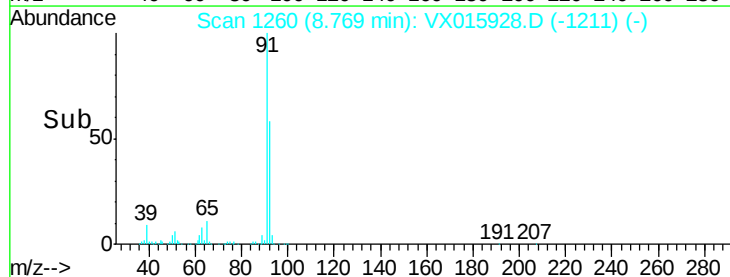


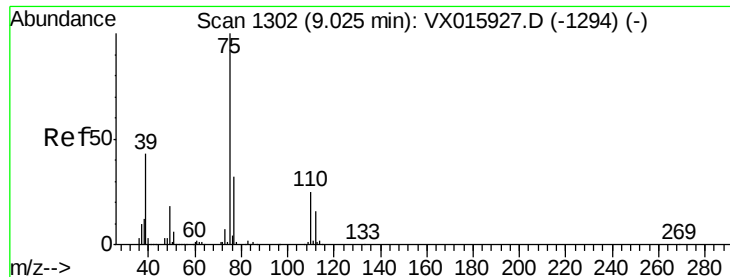
Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->





#53

t-1,3-Dichloropropene

Concen: 108.724 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 326895

Ion Ratio Lower Upper

75 100

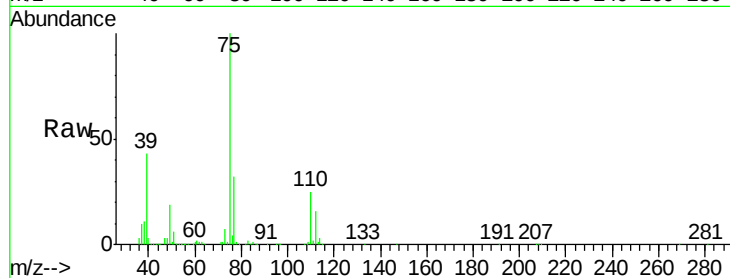
77 32.3 25.9 38.9

Manual Integrations

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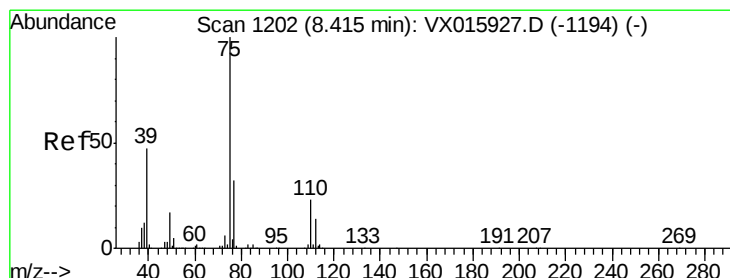
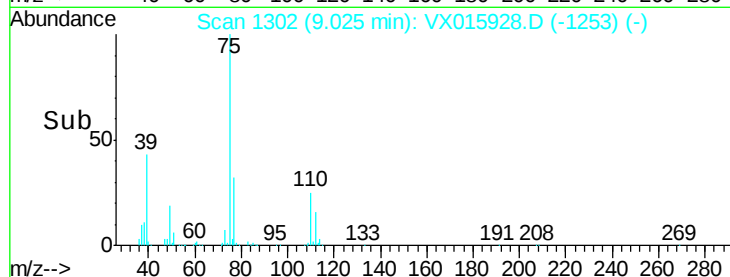
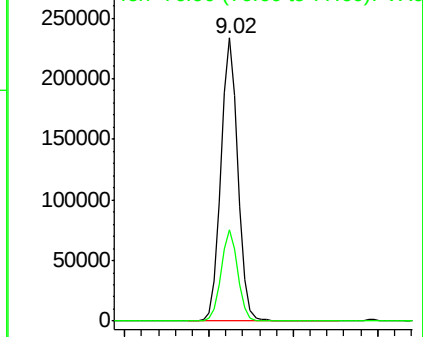
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 109.138 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

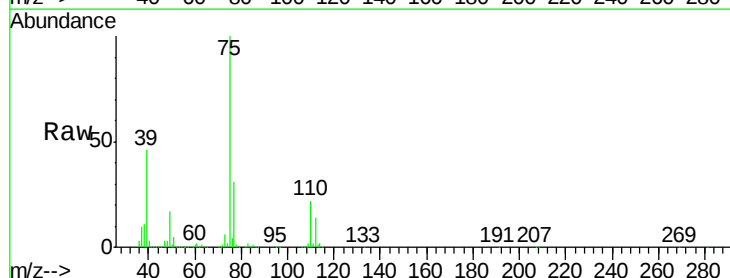
Tgt Ion: 75 Resp: 343010

Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.8

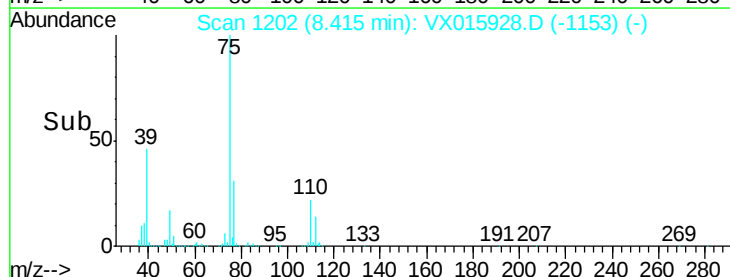
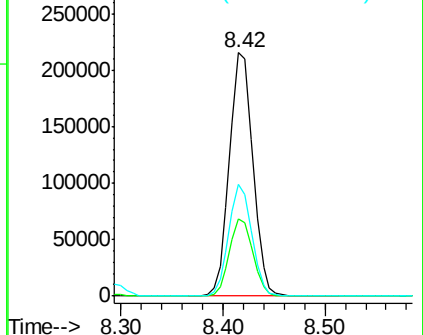
39 45.6 37.2 55.8

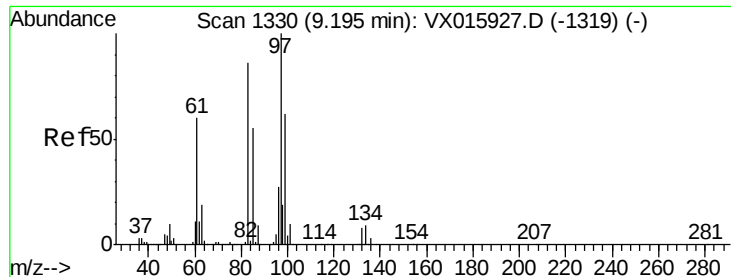


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





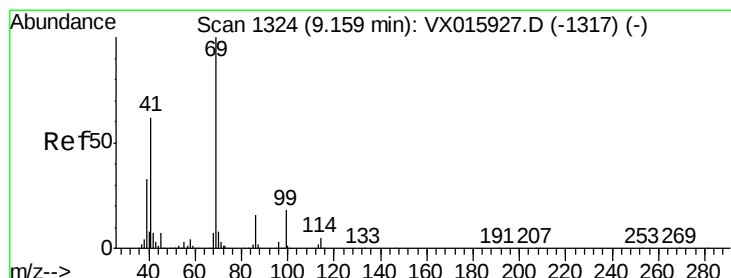
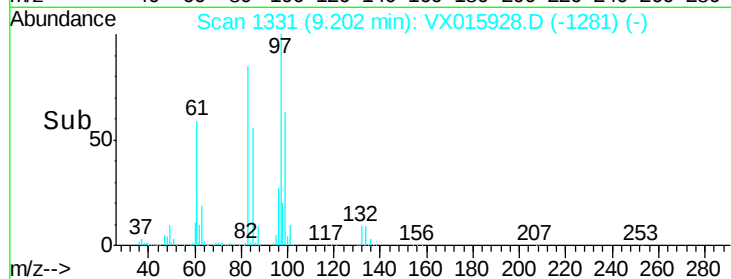
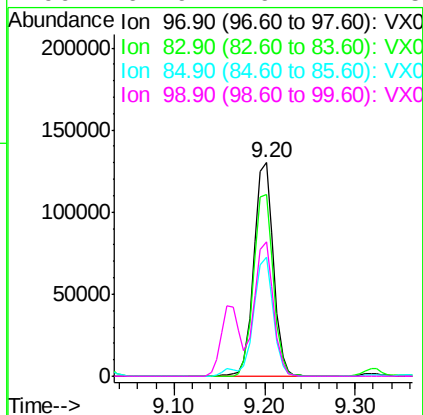
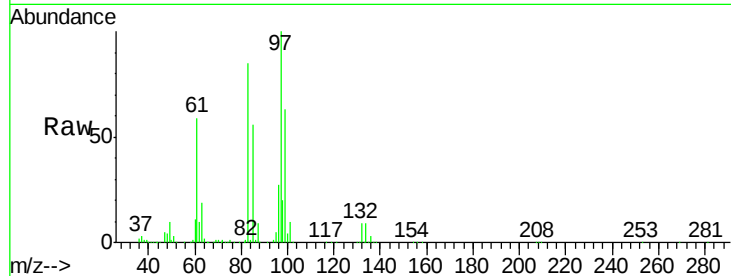
#55
 1,1,2-Trichloroethane
 Concen: 105.468 ug/l
 RT: 9.20 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: VX015928.D
 Acq: 24 Apr 2020 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	194051
Ion Ratio	Lower	Upper	
97	100		
83	85.4	68.6	103.0
85	55.5	44.0	66.0
99	62.9	49.7	74.5

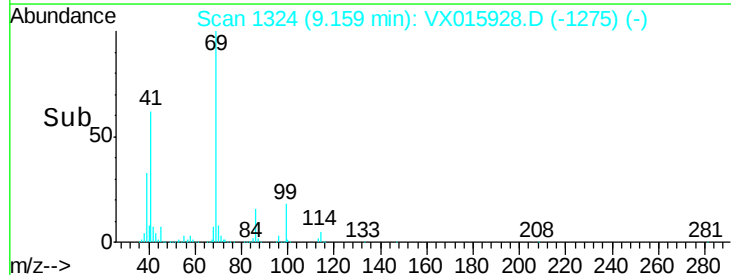
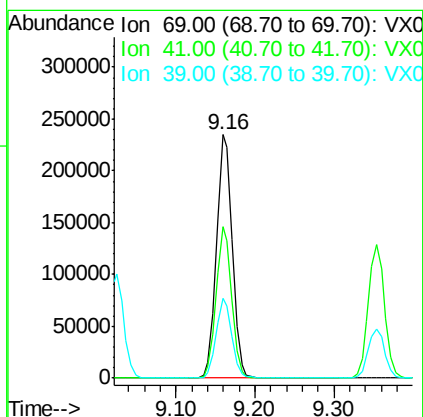
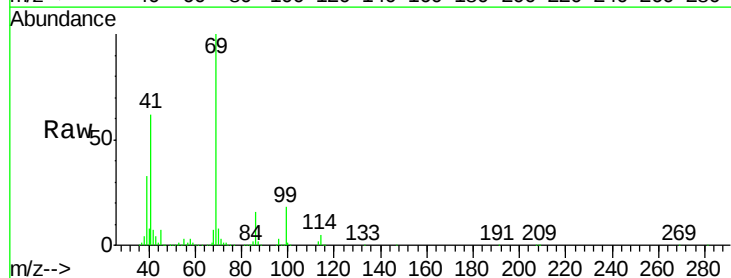
Manual Integrations
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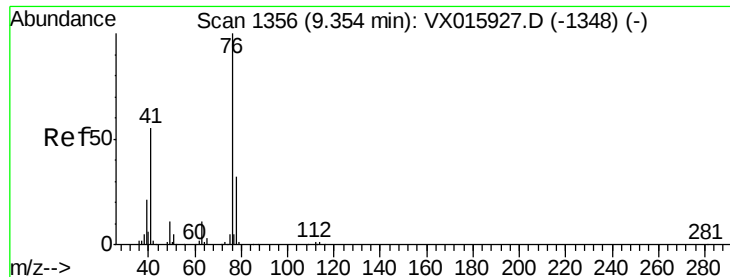
MMDadoda
 4/27/2020 12:39:55 PM



#56
 Ethyl methacrylate
 Concen: 114.424 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX015928.D
 Acq: 24 Apr 2020 12:35

Tgt Ion:	69	Resp:	328135
Ion Ratio	Lower	Upper	
69	100		
41	61.2	49.2	73.8
39	32.1	26.0	39.0





#57

1,3-Dichloropropane

Concen: 108.024 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 337363

Ion Ratio Lower Upper

76 100

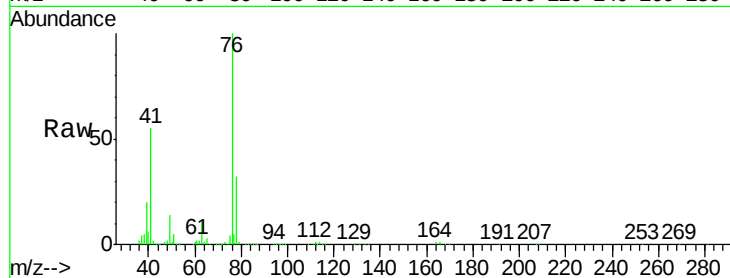
78 31.9 25.6 38.4

Manual Integrations

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MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.35

250000

200000

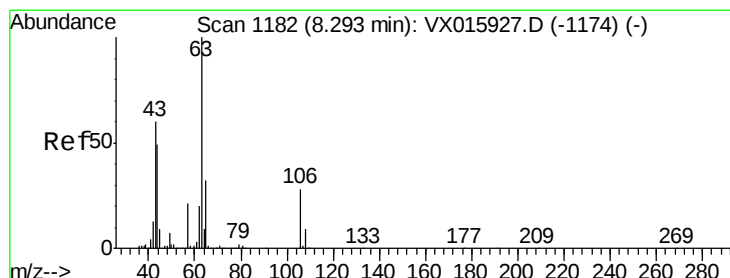
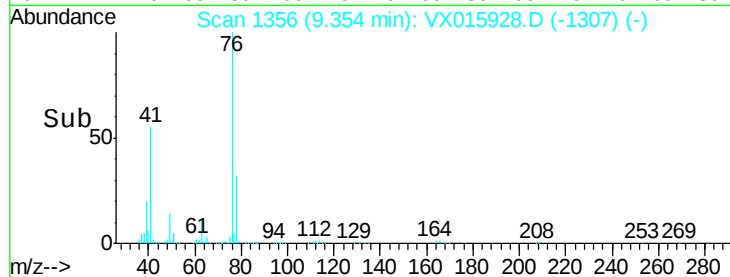
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 566.134 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX015928.D

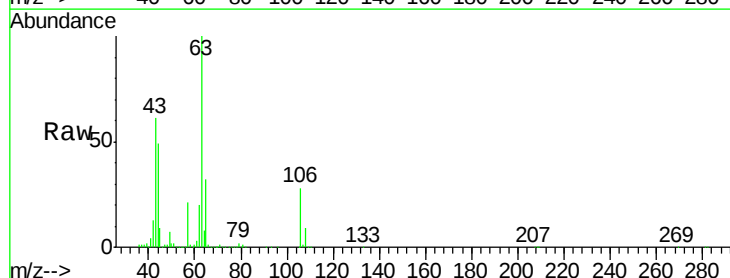
Acq: 24 Apr 2020 12:35

Tgt Ion: 63 Resp: 807189

Ion Ratio Lower Upper

63 100

106 28.2 23.0 34.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.29

600000

500000

400000

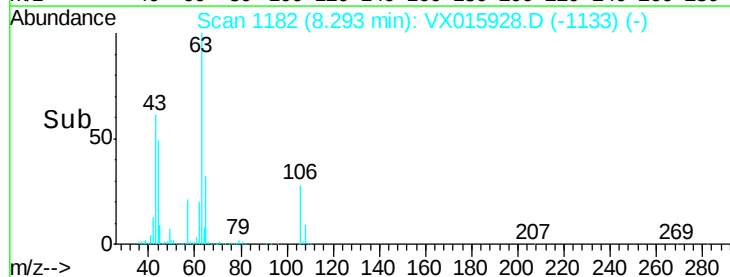
300000

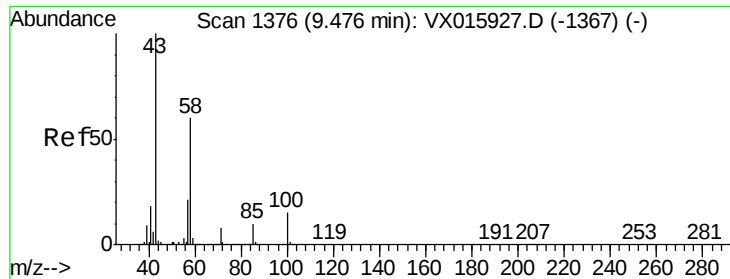
200000

100000

0

Time-->





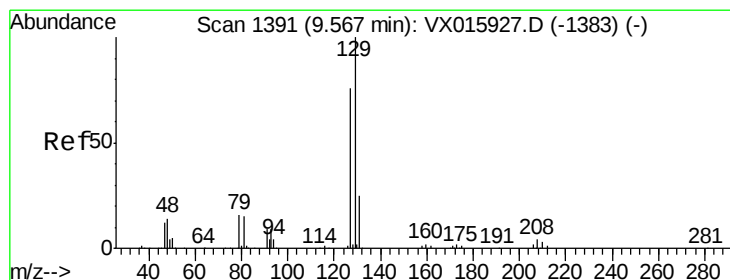
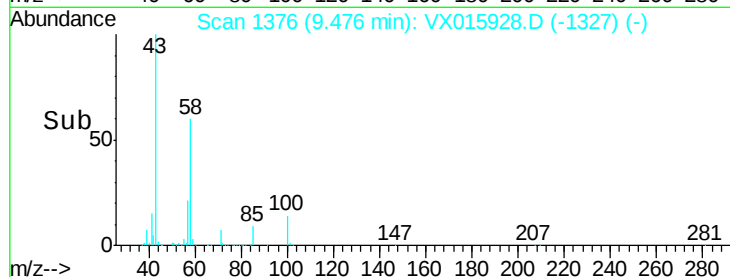
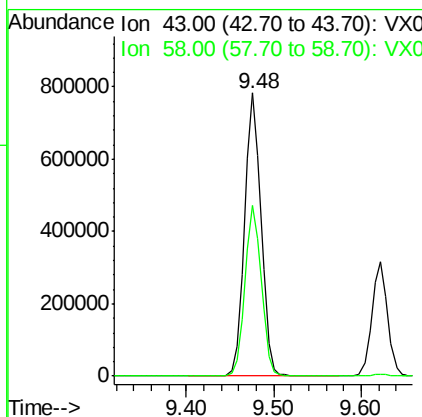
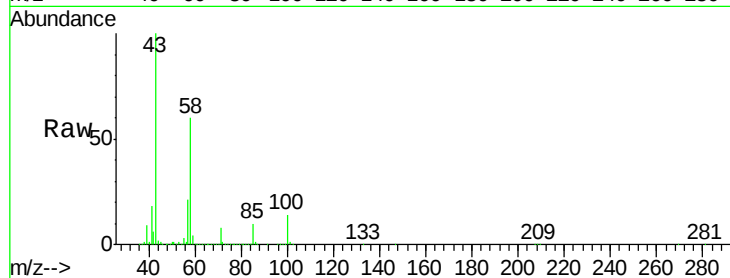
#59
2-Hexanone
Concen: 583.621 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1024087
Ion Ratio Lower Upper
43 100
58 60.0 29.7 89.1

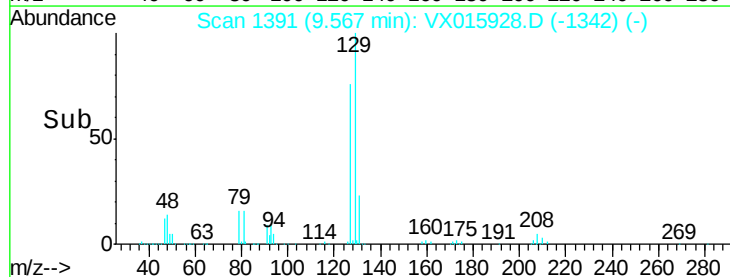
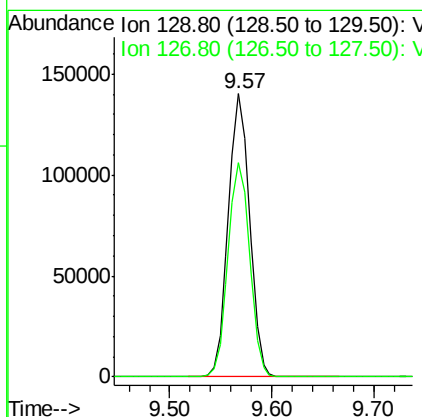
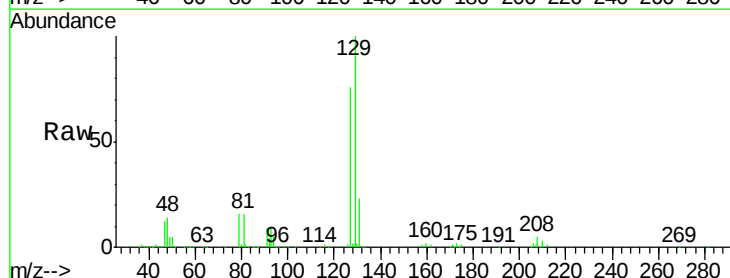
Manual Integrations
APPROVED

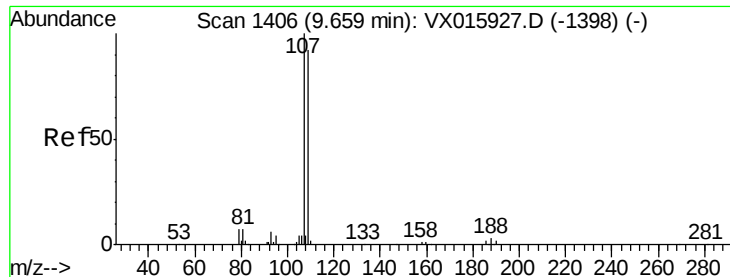
MMDadoda
4/27/2020 12:39:55 PM



#60
Dibromochloromethane
Concen: 115.491 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Tgt Ion: 129 Resp: 203231
Ion Ratio Lower Upper
129 100
127 76.9 38.8 116.3





#61

1,2-Dibromoethane

Concen: 107.933 ug/l

RT: 9.66 min Scan# 1406

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion:107 Resp: 203470

Ion Ratio Lower Upper

107 100

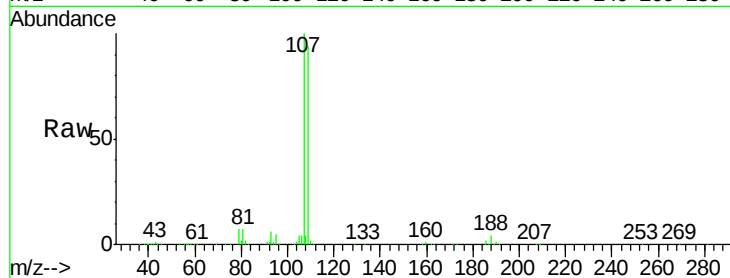
109 94.0 75.1 112.7

Manual Integrations

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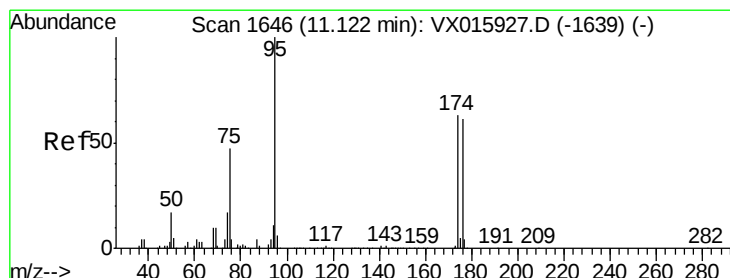
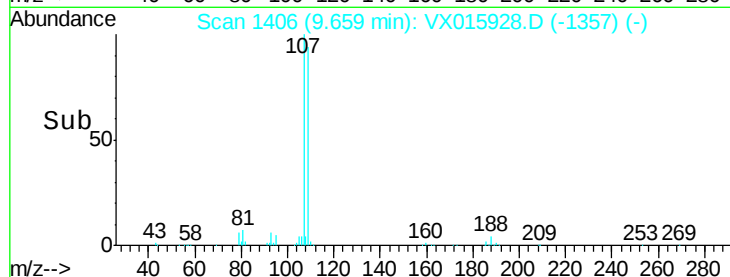
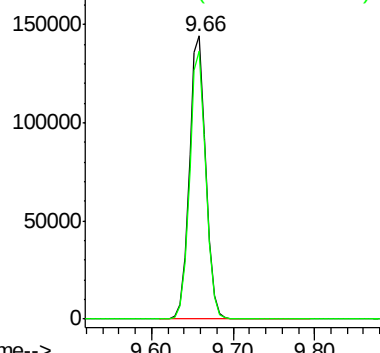
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 103.411 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

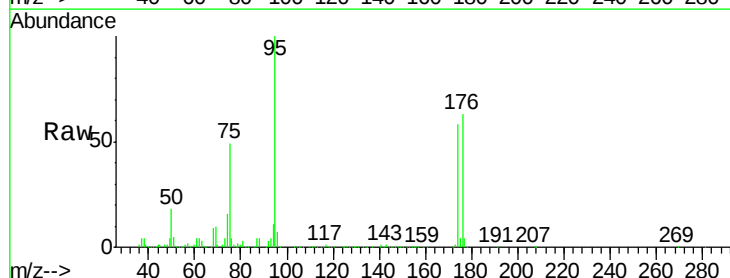
Tgt Ion: 95 Resp: 260826

Ion Ratio Lower Upper

95 100

174 63.6 0.0 133.6

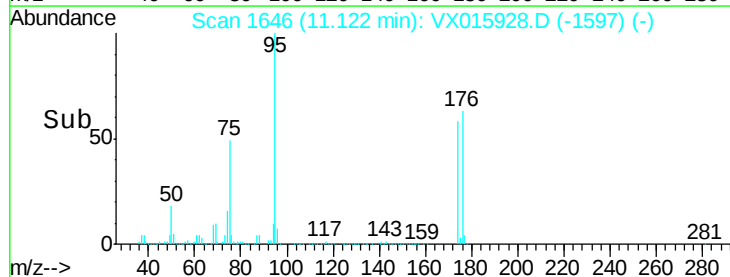
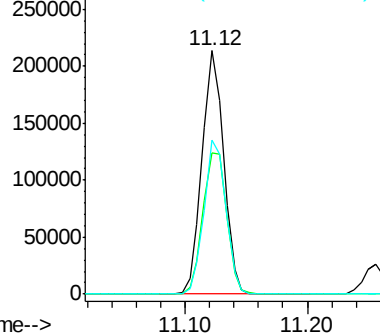
176 63.8 0.0 126.0

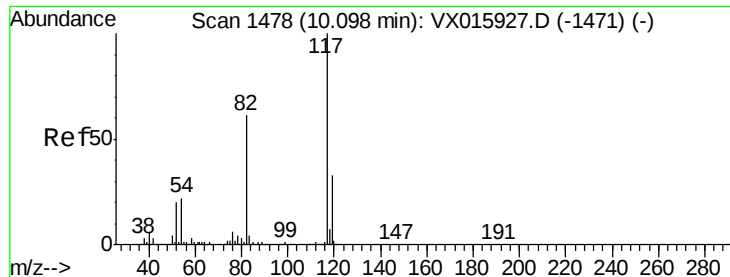


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





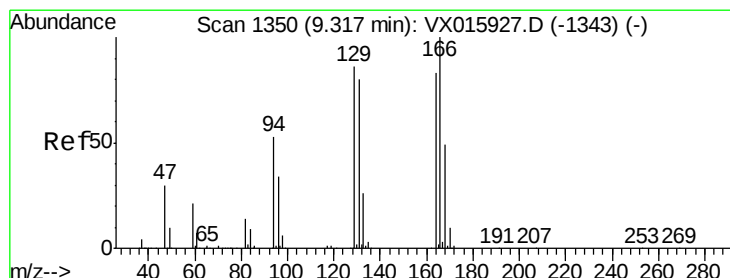
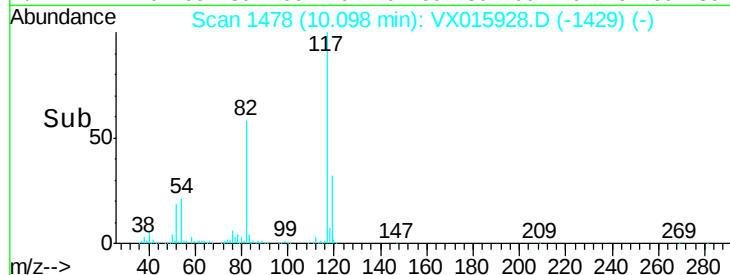
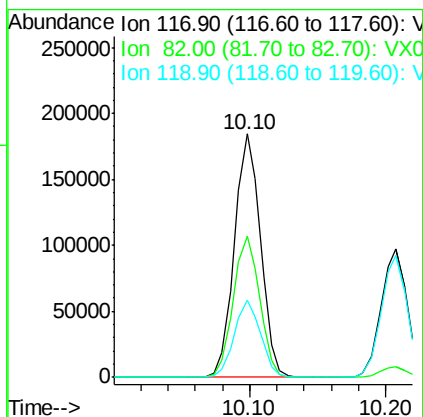
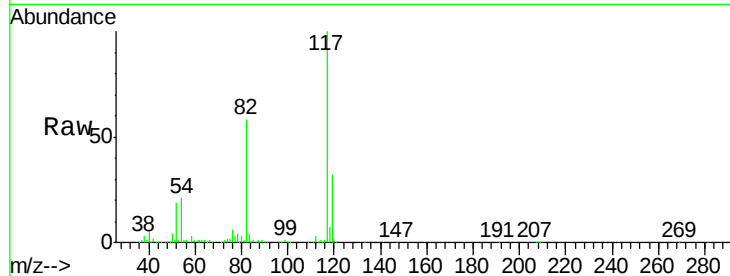
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	247127		
82	58.0		48.5	72.7
119	31.7		26.2	39.4

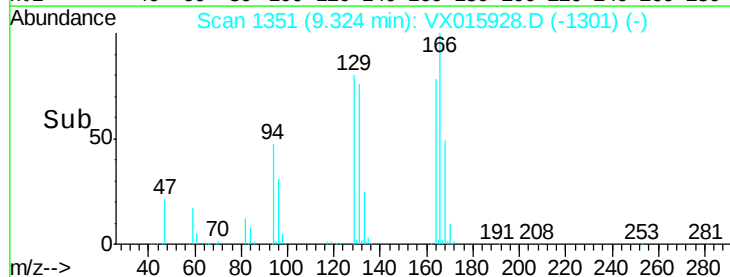
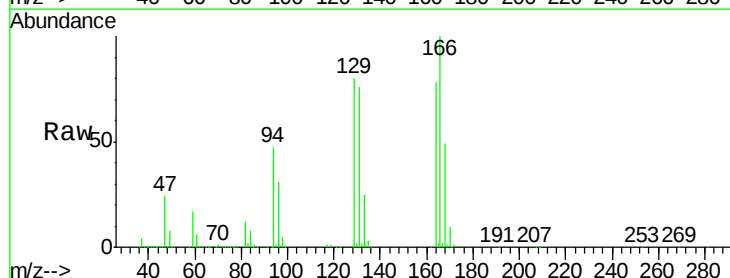
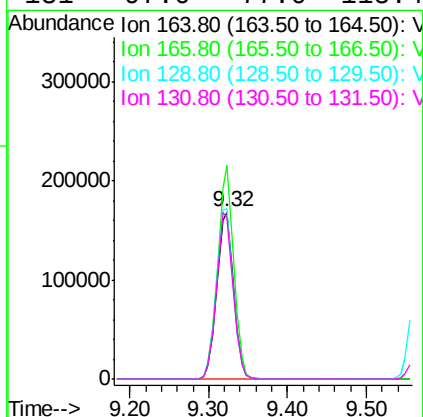
Manual Integrations
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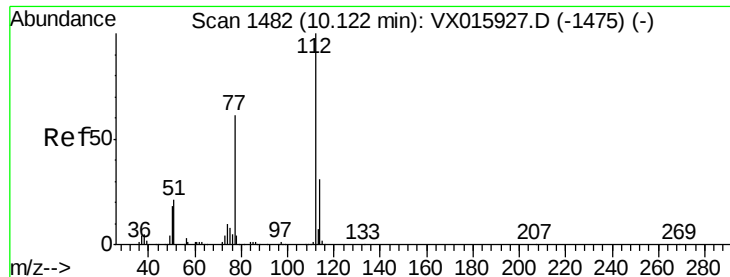
MMDadoda
4/27/2020 12:39:55 PM



#64
Tetrachloroethene
Concen: 101.902 ug/l
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	250071		
166	127.9		96.7	145.1
129	101.9		82.8	124.2
131	97.0		77.0	115.4





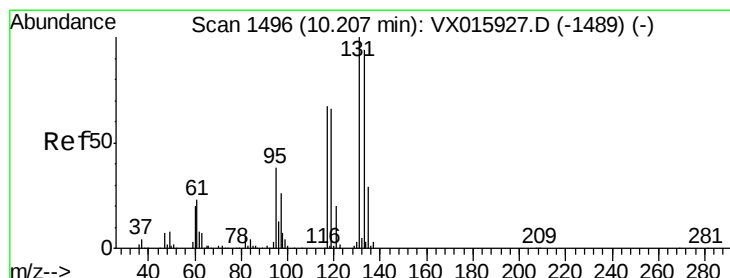
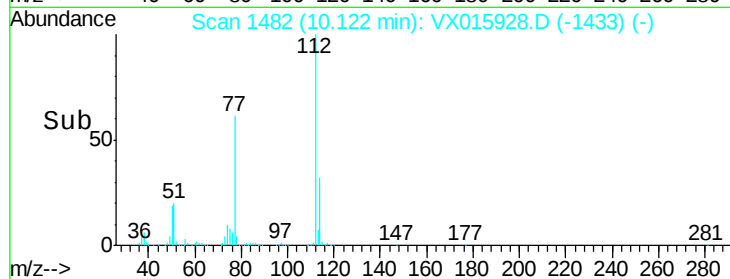
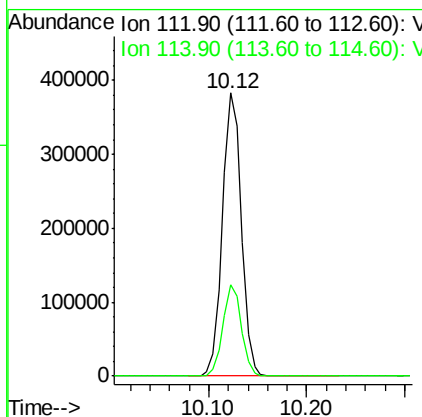
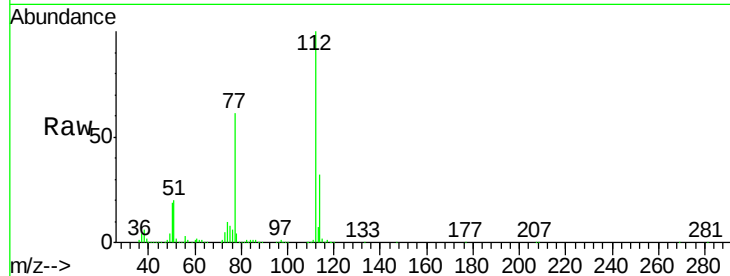
#65
Chlorobenzene
Concen: 107.206 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 515535
Ion Ratio Lower Upper
112 100
114 32.3 25.2 37.8

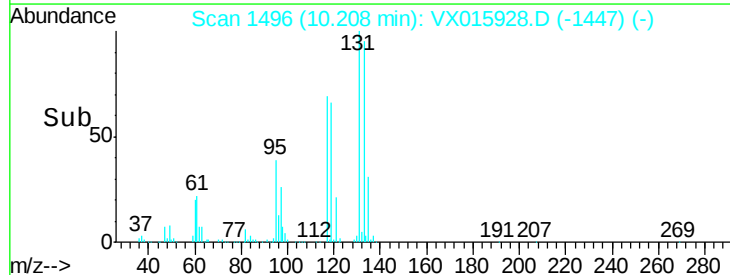
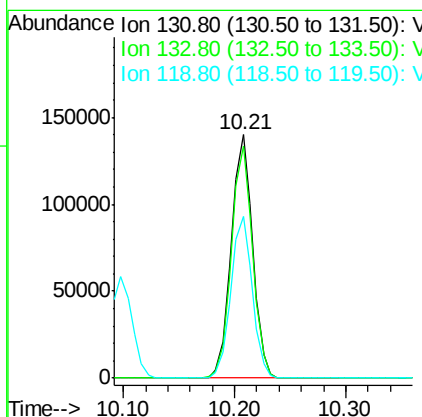
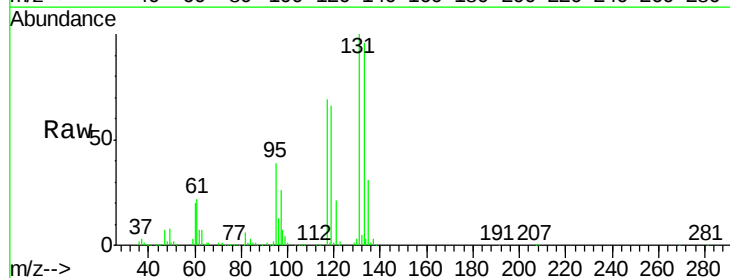
Manual Integrations
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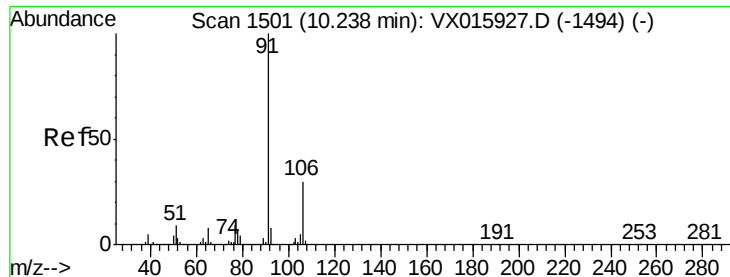
MMDadoda
4/27/2020 12:39:55 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 110.031 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Tgt Ion:131 Resp: 185510
Ion Ratio Lower Upper
131 100
133 95.0 46.7 140.0
119 66.8 33.7 101.0





#67

Ethyl Benzene

Concen: 106.343 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 946409

Ion Ratio Lower Upper

91 100

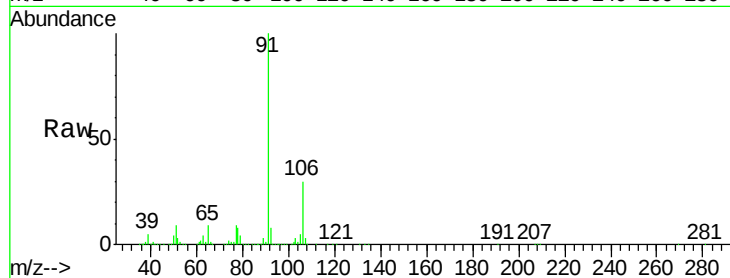
106 30.1 24.2 36.4

Manual Integrations

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MMDadoda

4/27/2020 12:39:55 PM



Abundance Ion 91.00 (90.70 to 91.70): VX015927.D (-1494) (-)

Ion 106.00 (105.70 to 106.70): VX015927.D (-1494) (-)

1200000

1000000

800000

600000

400000

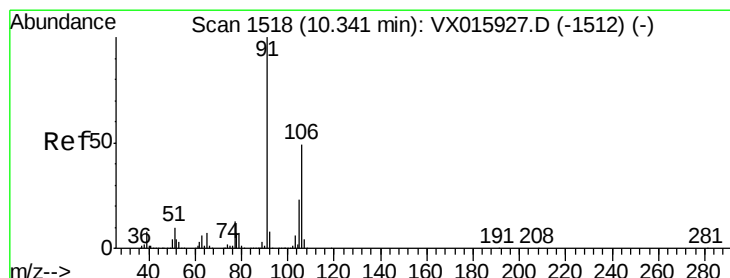
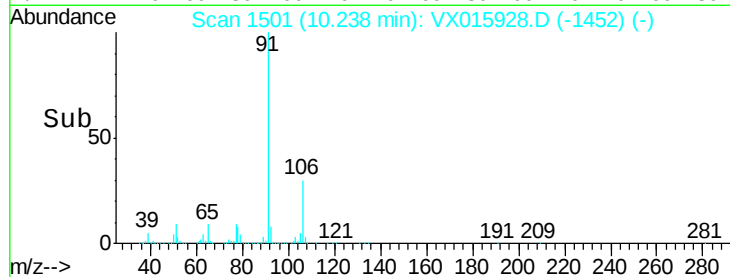
200000

0

10.20

10.30

Time-->



#68

m/p-Xylenes

Concen: 215.723 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX015928.D

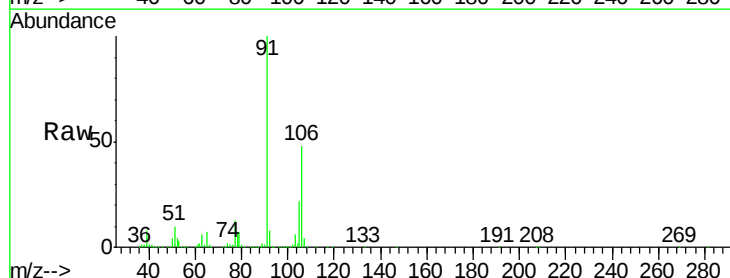
Acq: 24 Apr 2020 12:35

Tgt Ion: 106 Resp: 698658

Ion Ratio Lower Upper

106 100

91 205.8 164.9 247.3



Abundance Ion 106.00 (105.70 to 106.70): VX015927.D (-1512) (-)

Ion 91.00 (90.70 to 91.70): VX015927.D (-1512) (-)

1200000

1000000

800000

600000

400000

200000

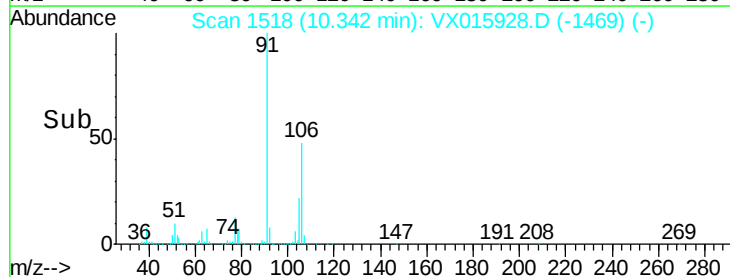
0

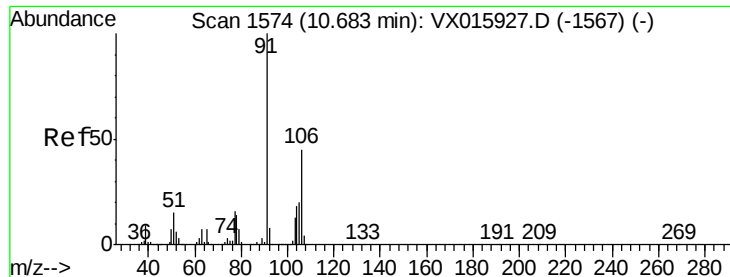
10.30

10.40

10.50

Time-->





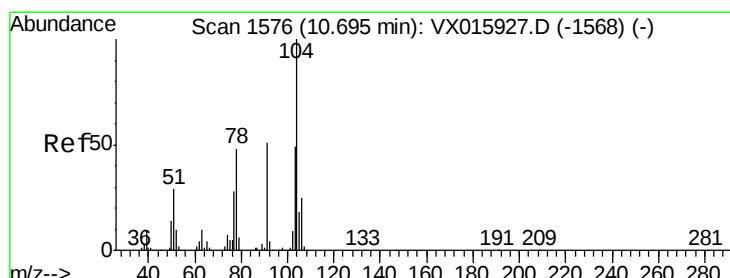
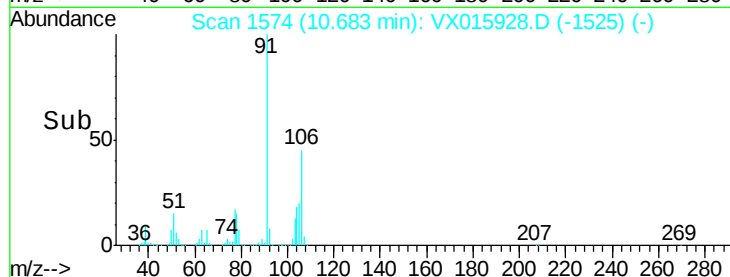
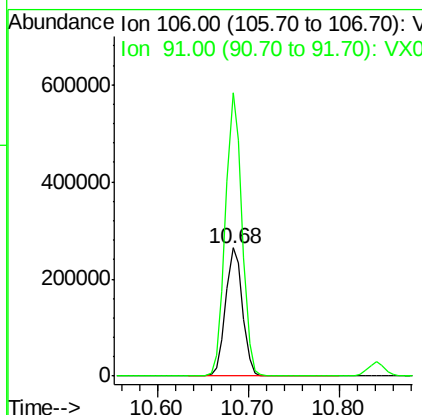
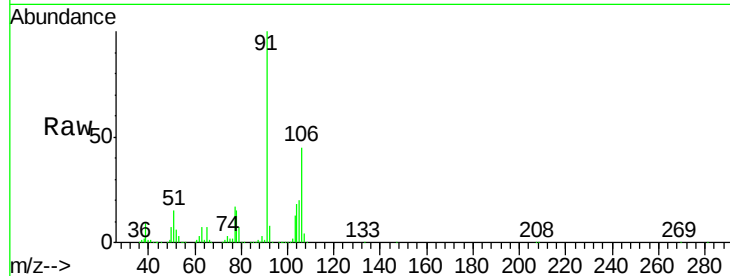
#69
o-Xylene
Concen: 108.407 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
106	100		
91	216.8	108.6	325.8

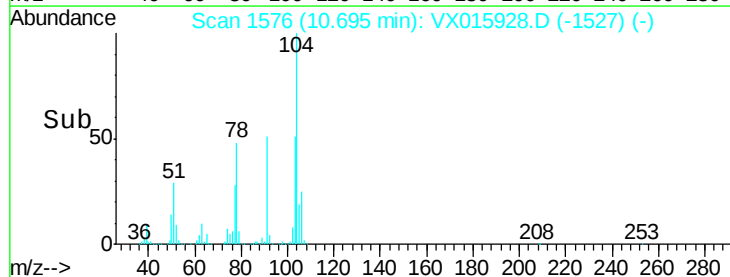
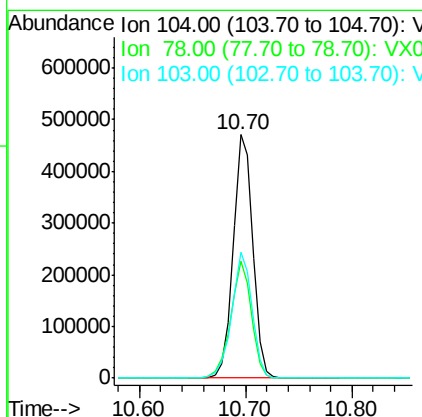
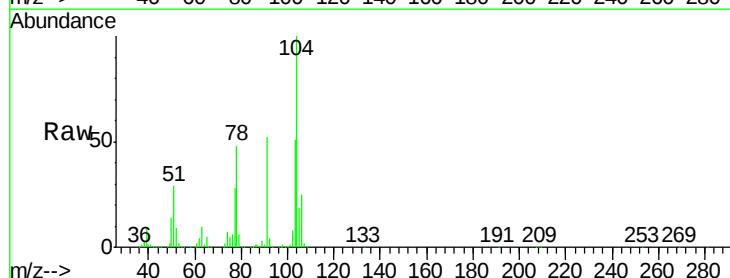
Manual Integrations
APPROVED

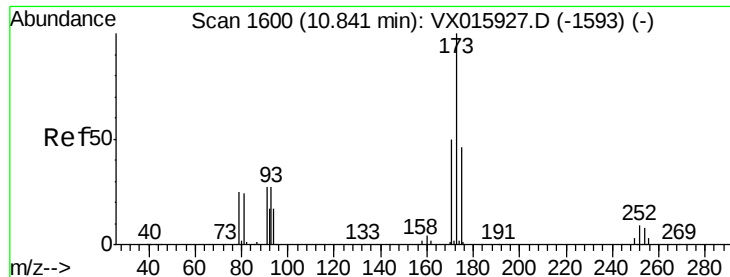
MMDadoda
4/27/2020 12:39:55 PM



#70
Styrene
Concen: 114.306 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.8	40.5	60.7
103	53.8	42.7	64.1





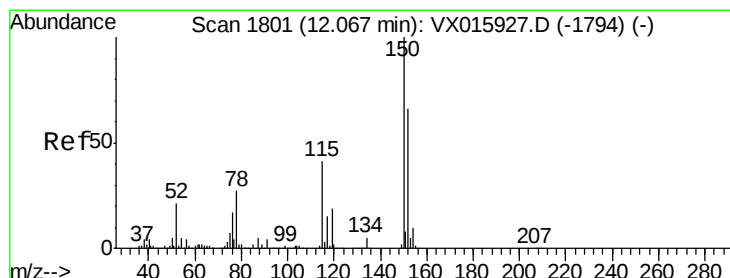
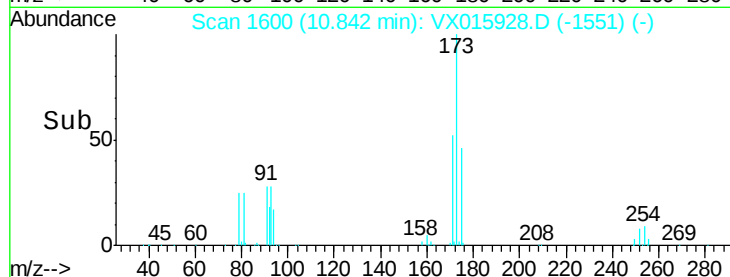
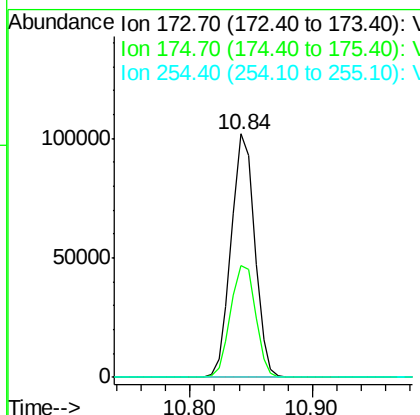
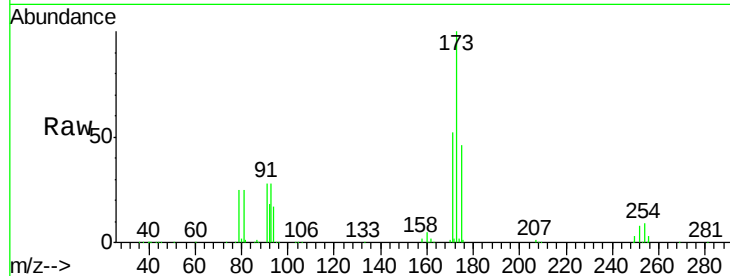
#71
Bromoform
Concen: 126.307 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.2	69.5
254	0.1	0.1	0.1

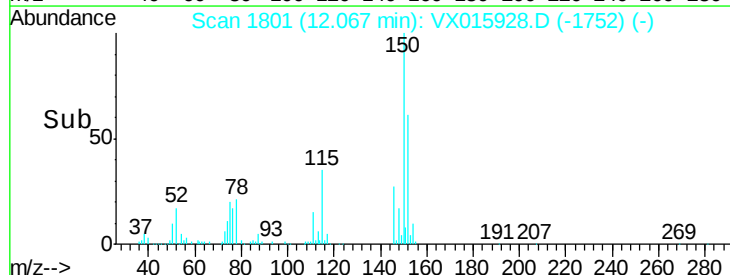
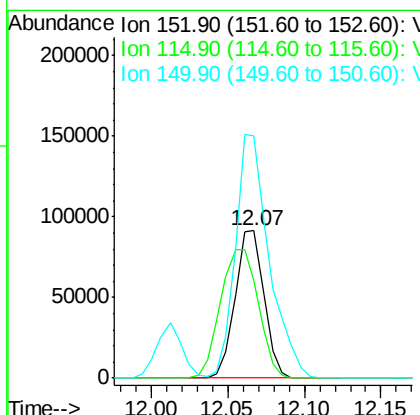
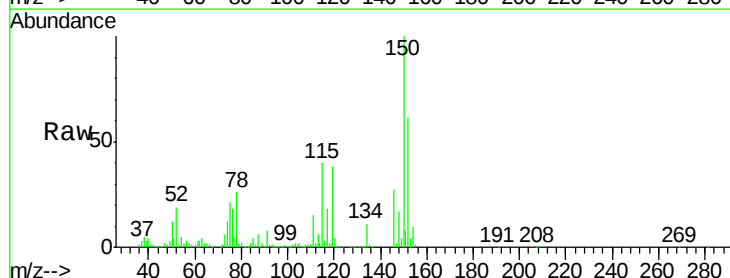
Manual Integrations
APPROVED

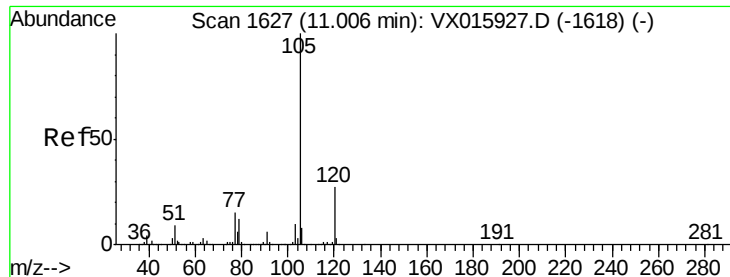
MMDadoda
4/27/2020 12:39:55 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	115.5	44.1	132.4
150	194.7	0.0	343.6





#73

Isopropylbenzene

Concen: 104.820 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 105 Resp: 911639

Ion Ratio Lower Upper

105 100

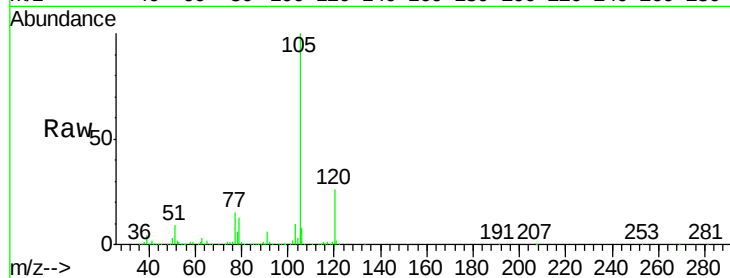
120 25.6 13.1 39.1

Manual Integrations

APPROVED

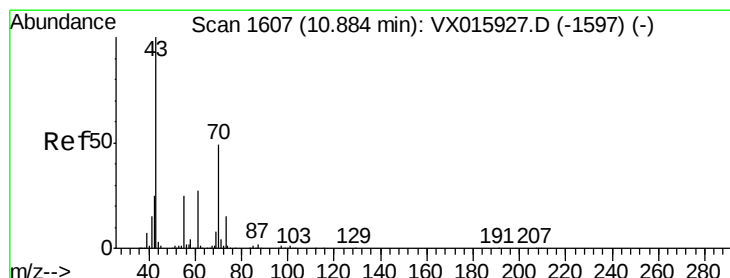
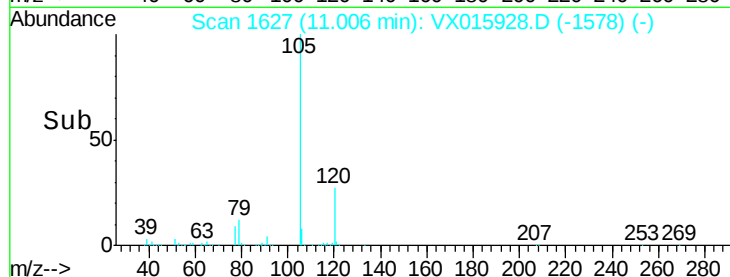
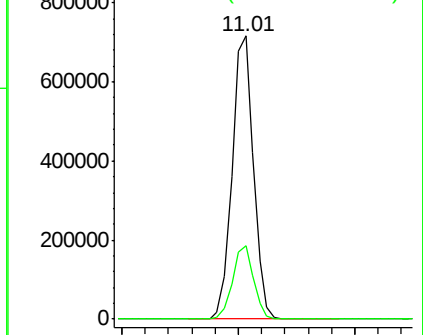
MMDadoda

4/27/2020 12:39:55 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 111.936 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Tgt Ion: 43 Resp: 413066

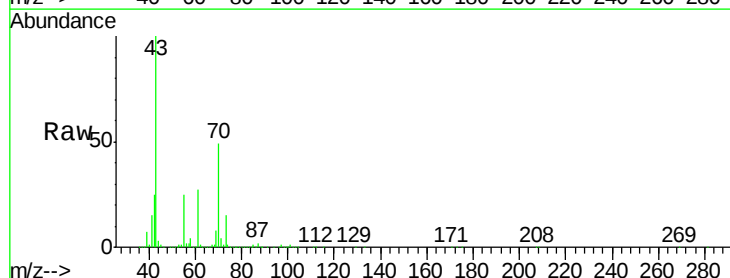
Ion Ratio Lower Upper

43 100

70 47.8 37.8 56.6

55 25.1 20.2 30.2

61 26.9 21.6 32.4

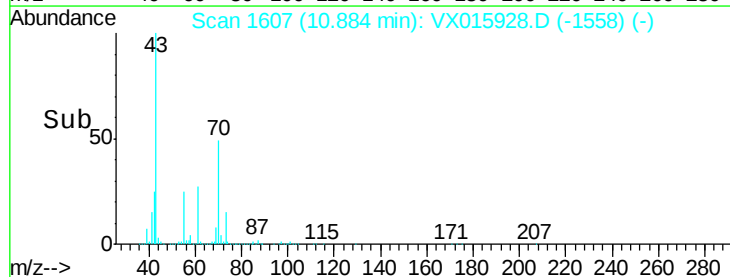
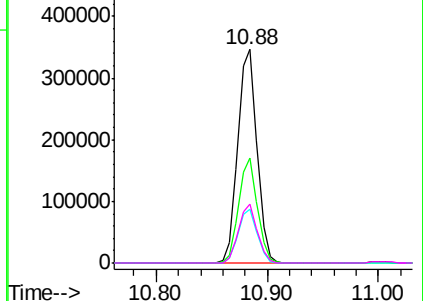


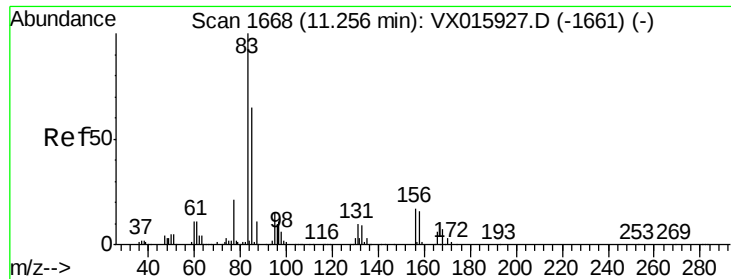
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 114.752 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 217298

Ion Ratio Lower Upper

83 100

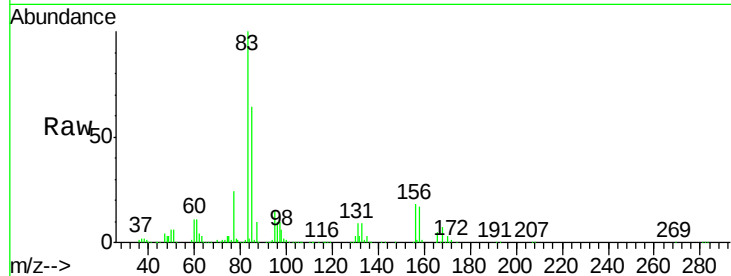
131 9.6 4.9 14.6

85 64.3 32.1 96.3

Manual Integrations
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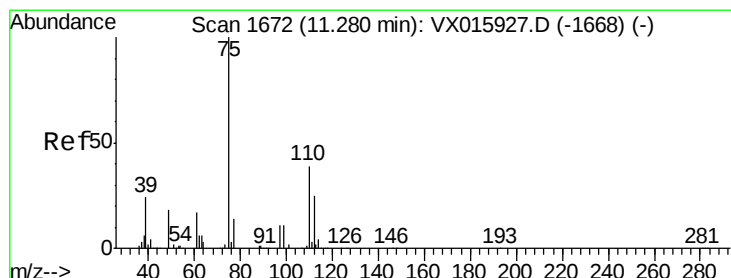
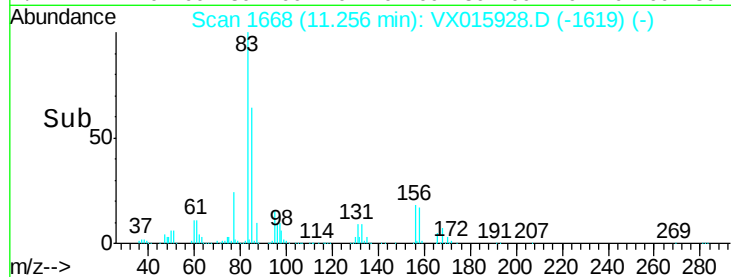
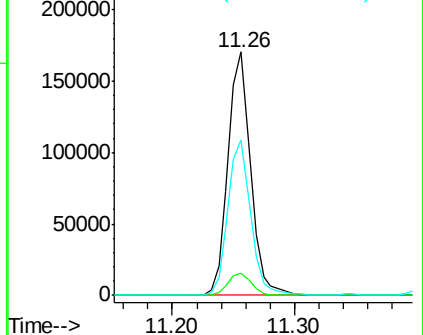
4/27/2020 12:39:55 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 87.504 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX015928.D

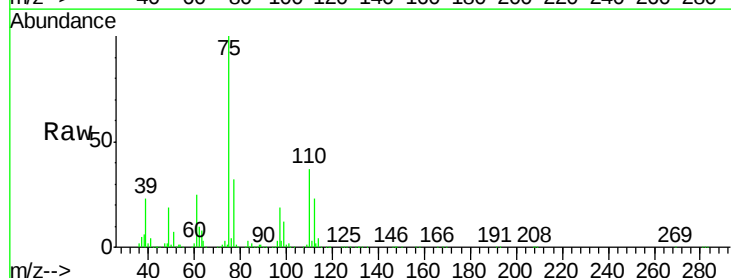
Acq: 24 Apr 2020 12:35

Tgt Ion: 75 Resp: 271941

Ion Ratio Lower Upper

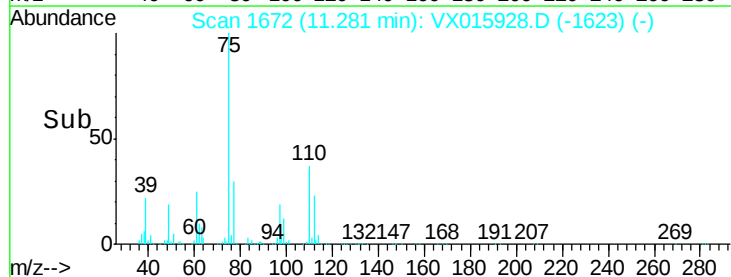
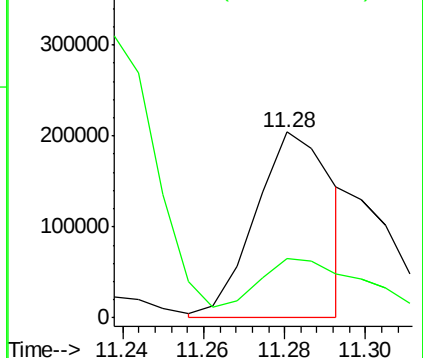
75 100

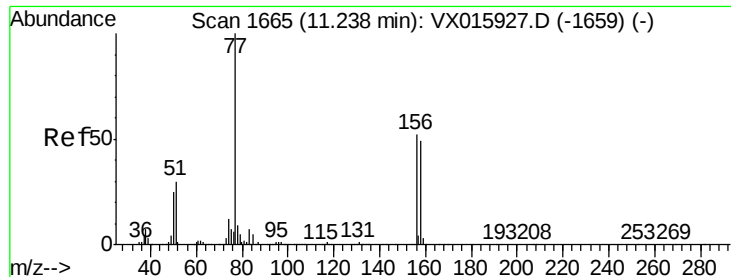
77 45.1 22.1 66.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 107.623 ug/l

RT: 11.24 min Scan# 1666

Delta R.T. 0.01 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

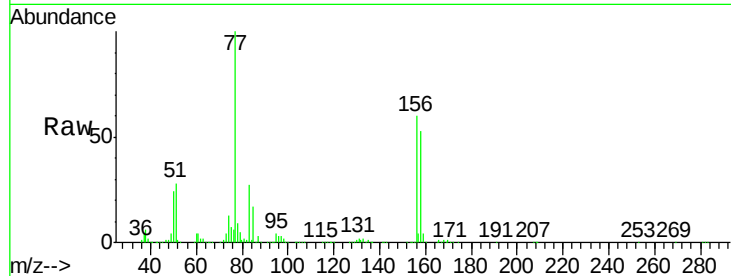
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	210060
Ion Ratio	Lower	Upper	
156	100		
77	187.4	94.0	281.9
158	95.2	48.6	145.9

Manual Integrations
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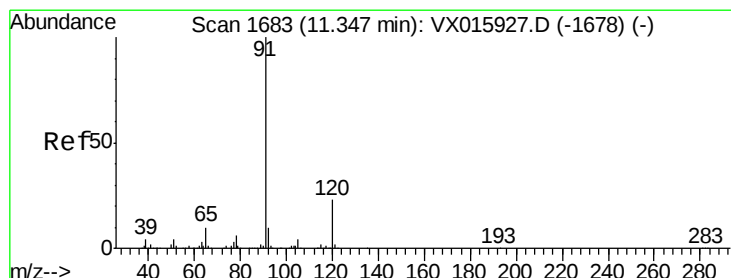
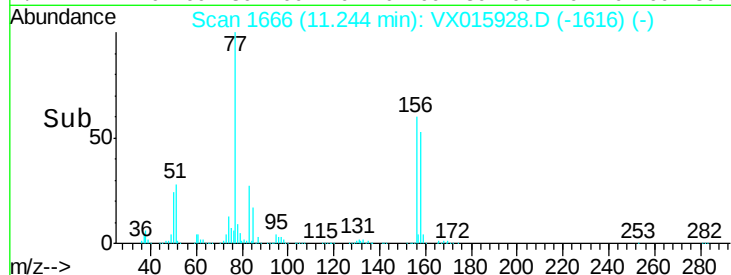
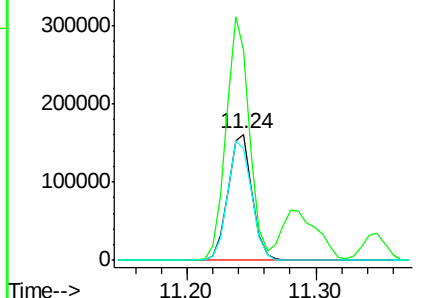
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 105.515 ug/l

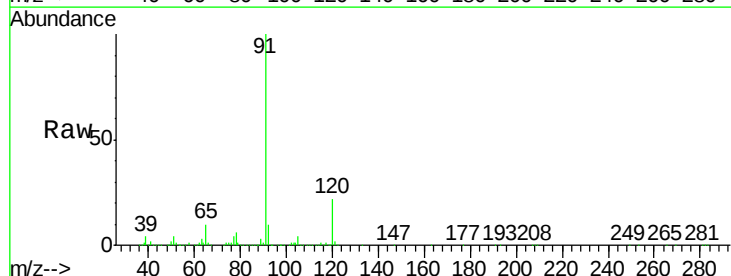
RT: 11.35 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VX015928.D

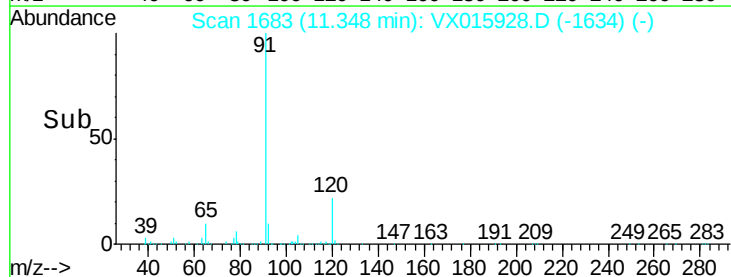
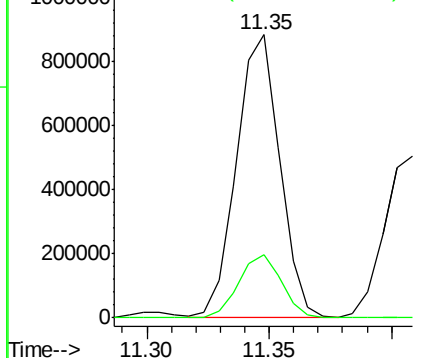
Acq: 24 Apr 2020 12:35

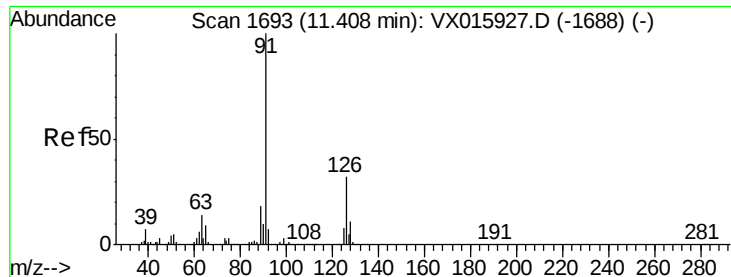
Tgt Ion:	91	Resp:	1079062
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.2	33.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





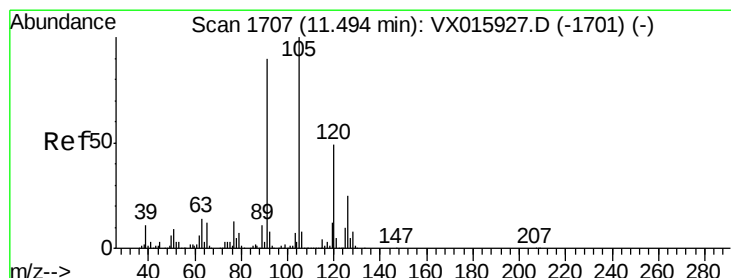
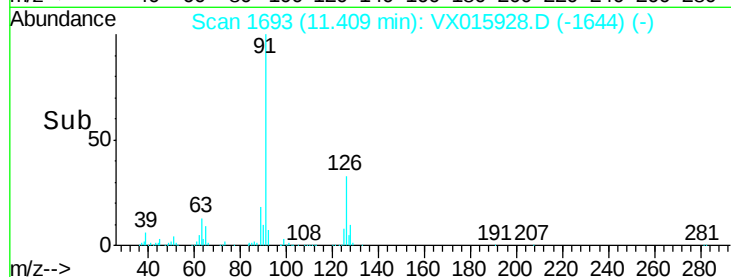
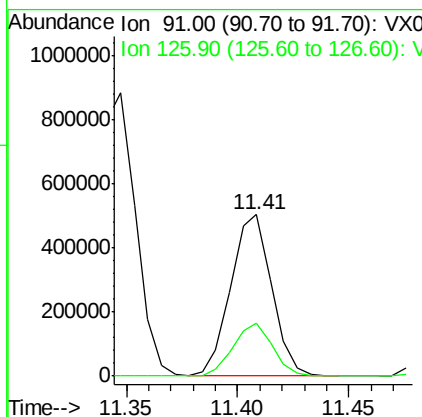
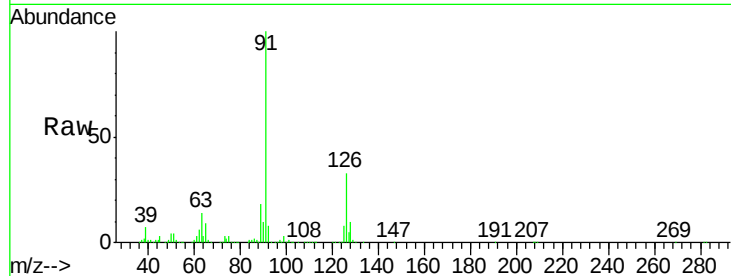
#79
 2-Chlorotoluene
 Concen: 107.660 ug/l
 RT: 11.41 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VX015928.D
 Acq: 24 Apr 2020 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion: 91 Resp: 641811
 Ion Ratio Lower Upper
 91 100
 126 32.1 15.8 47.3

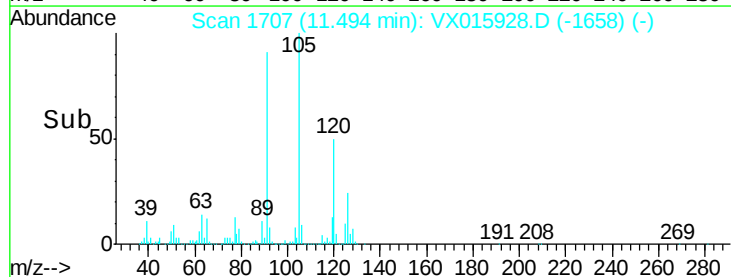
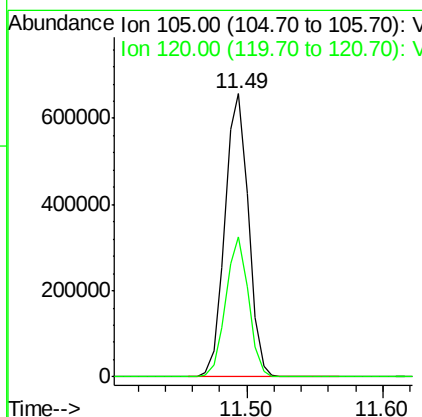
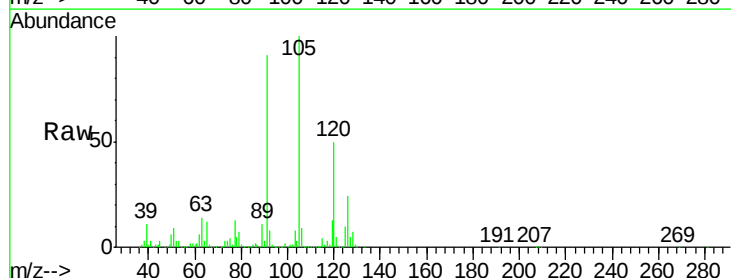
Manual Integrations
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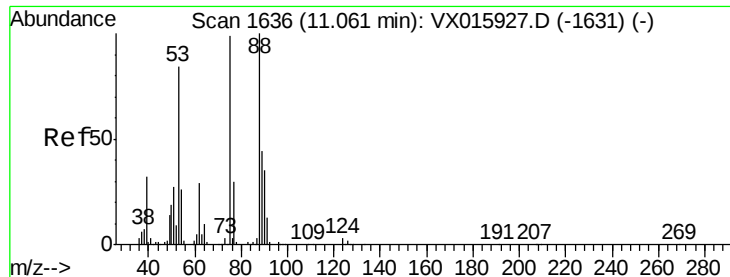
MMDadoda
 4/27/2020 12:39:55 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 107.962 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX015928.D
 Acq: 24 Apr 2020 12:35

Tgt Ion: 105 Resp: 786574
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 119.455 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

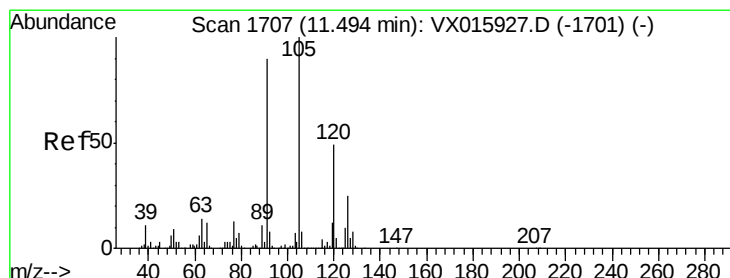
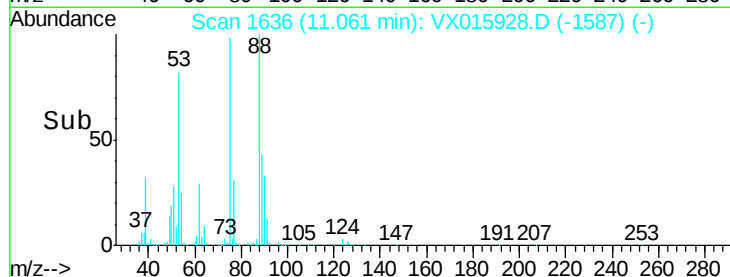
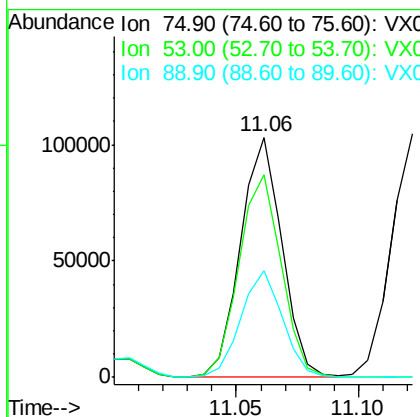
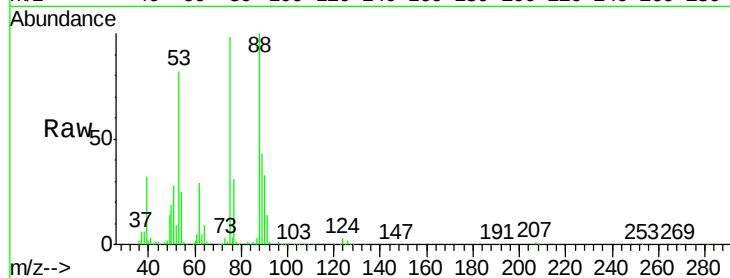
ClientSampled :

VSTDIC100

Tot Ion:	75	Resp:	121049
Ion Ratio	Lower	Upper	
75	100		
53	86.6	69.7	104.5
89	44.8	36.3	54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 108.114 ug/l

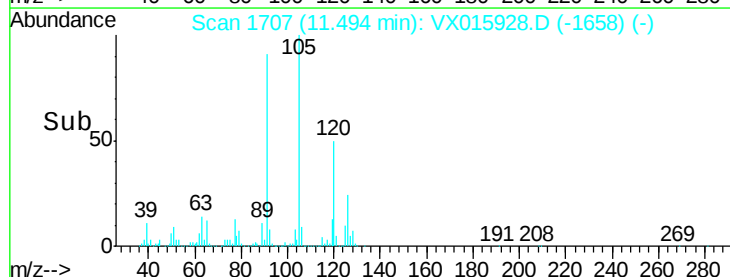
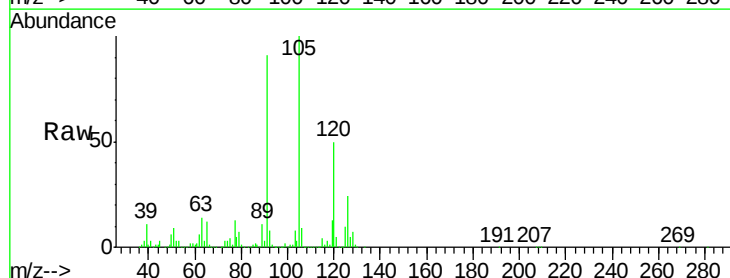
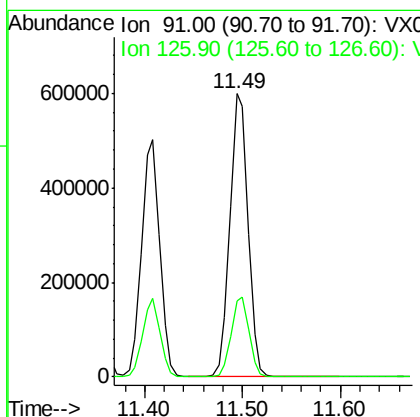
RT: 11.49 min Scan# 1707

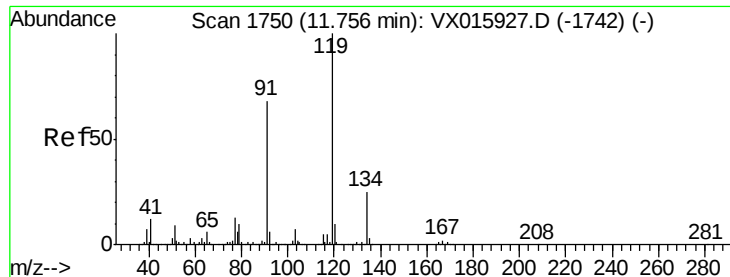
Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Tgt Ion:	91	Resp:	769892
Ion Ratio	Lower	Upper	
91	100		
126	27.8	14.2	42.8





#83

tert-Butylbenzene

Concen: 107.815 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

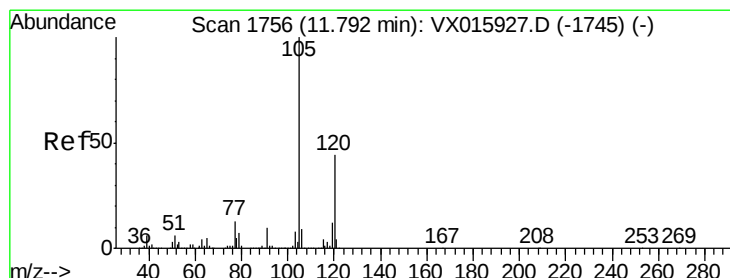
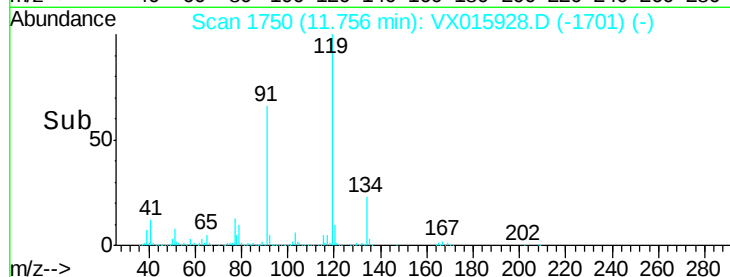
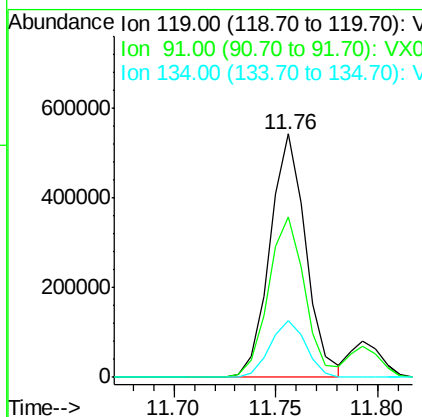
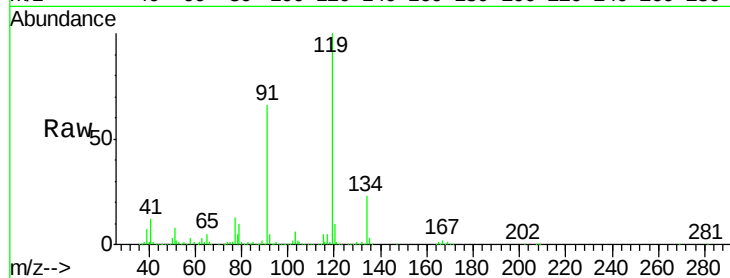
ClientSampleId :

VSTDIC100

Tot Ion:	119	Resp:	664334
Ion Ratio	Lower	Upper	
119	100		
91	67.4	34.3	102.8
134	23.4	12.1	36.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 107.734 ug/l

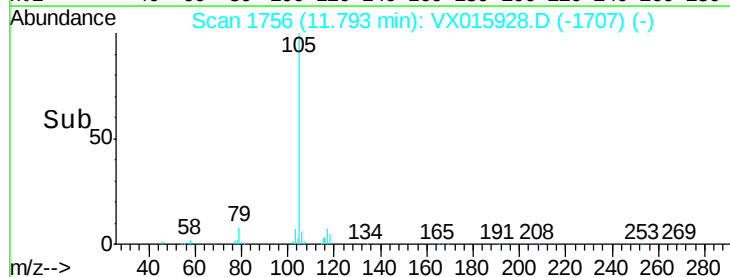
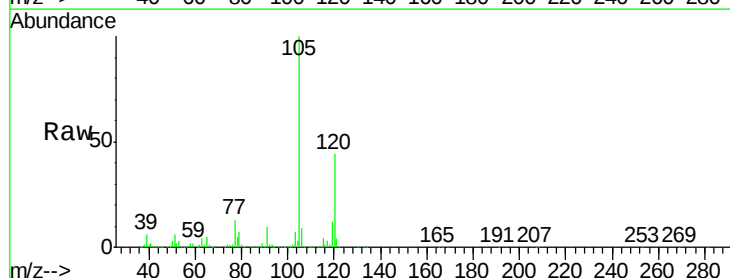
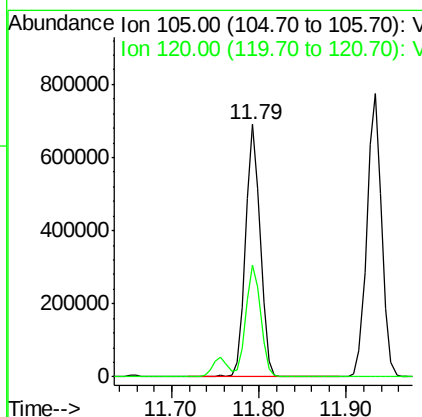
RT: 11.79 min Scan# 1756

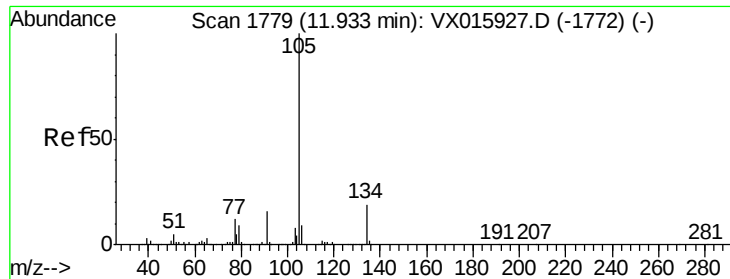
Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Tgt Ion:	105	Resp:	805612
Ion Ratio	Lower	Upper	
105	100		
120	44.7	22.3	66.8





#85

sec-Butylbenzene

Concen: 109.789 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 918572

Ion Ratio Lower Upper

105 100

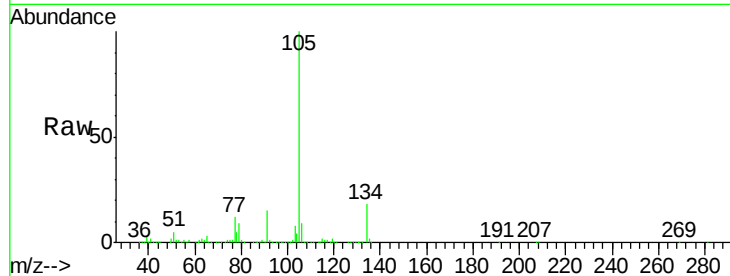
134 18.8 9.3 28.0

Manual Integrations

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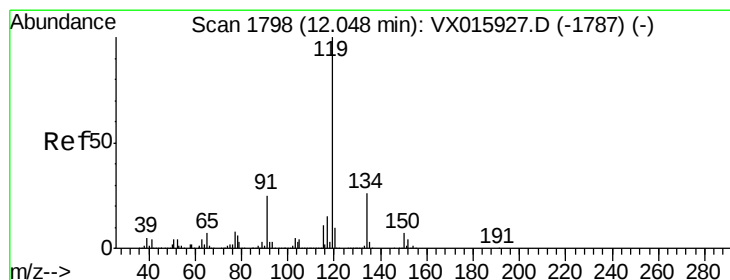
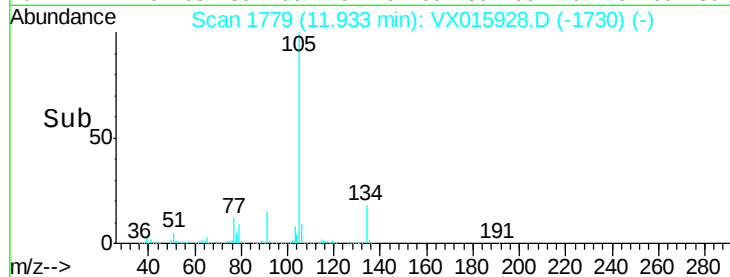
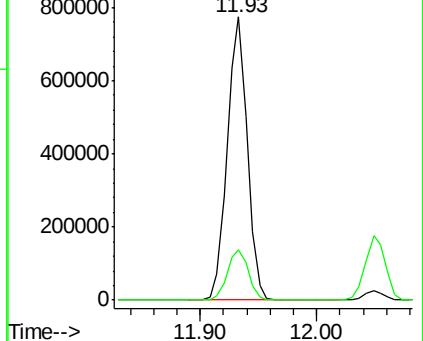
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 109.021 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

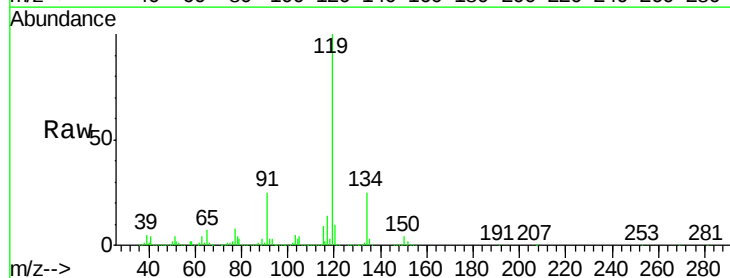
Tgt Ion:119 Resp: 831315

Ion Ratio Lower Upper

119 100

134 25.3 12.6 37.8

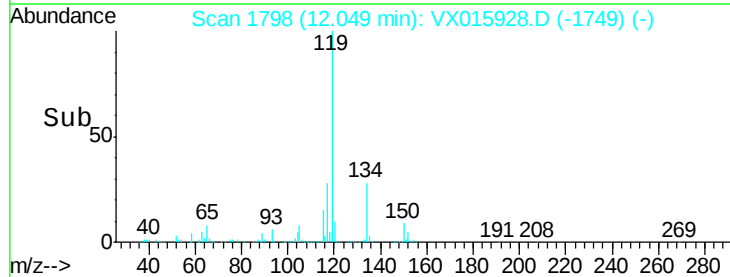
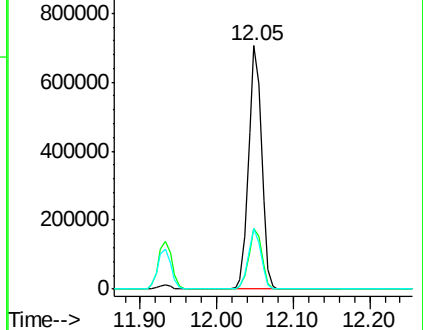
91 24.3 12.2 36.6

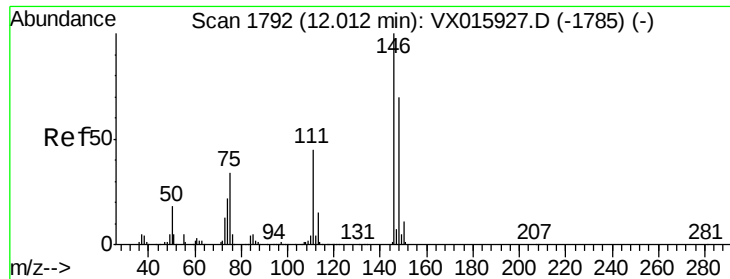


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





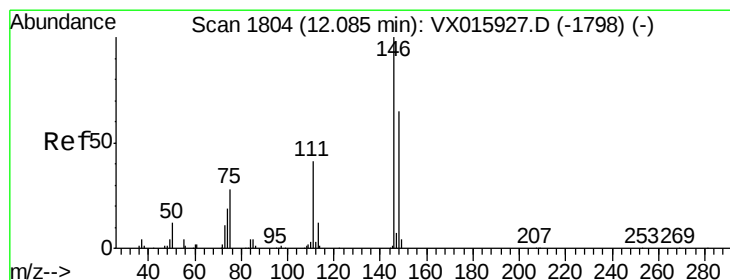
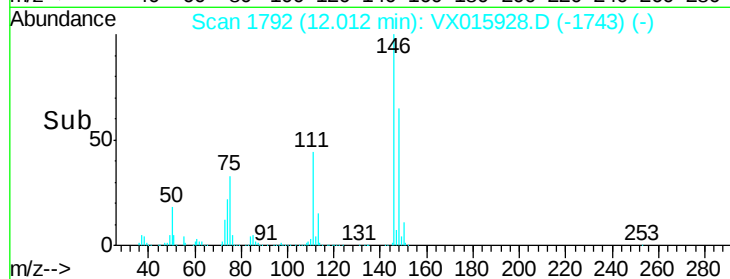
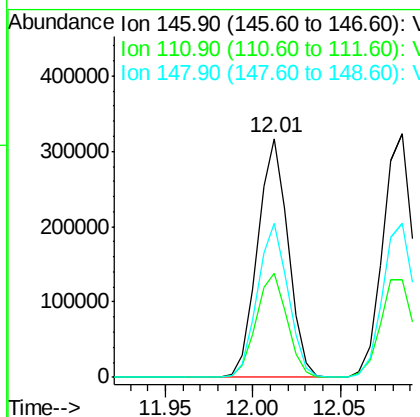
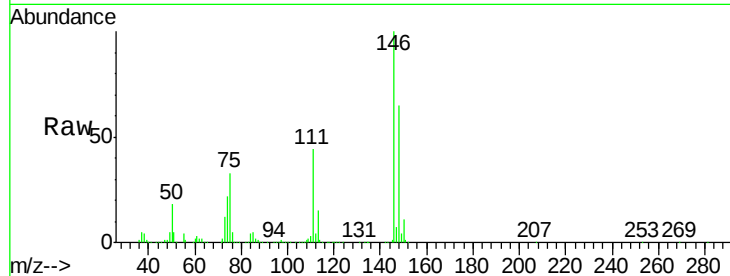
#87
 1,3-Dichlorobenzene
 Concen: 106.973 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX015928.D
 Acq: 24 Apr 2020 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.2	66.6
148	64.5	32.8	98.4

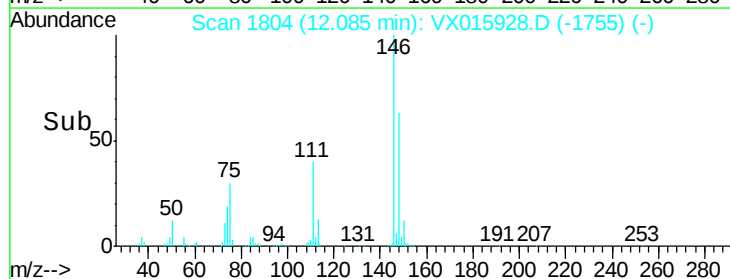
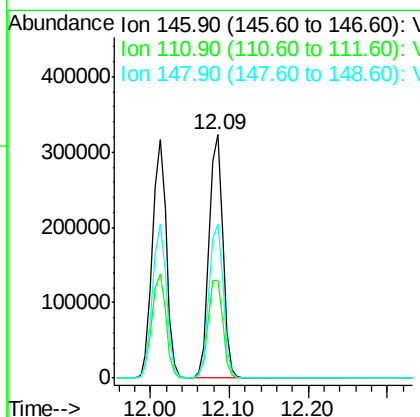
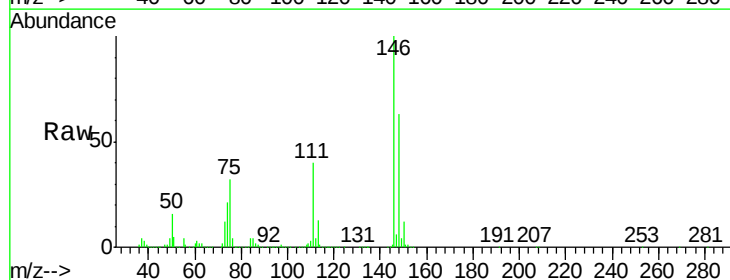
Manual Integrations
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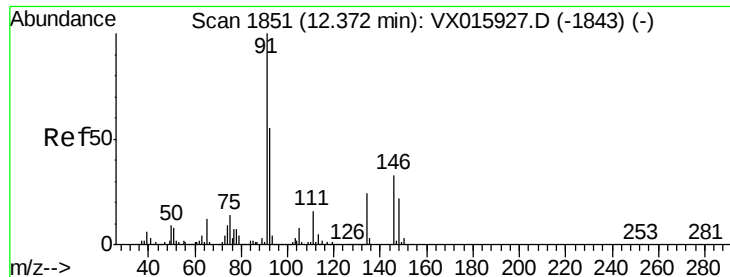
MMDadoda
 4/27/2020 12:39:55 PM



#88
 1,4-Dichlorobenzene
 Concen: 107.504 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VX015928.D
 Acq: 24 Apr 2020 12:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.6	64.6
148	64.6	32.3	96.8





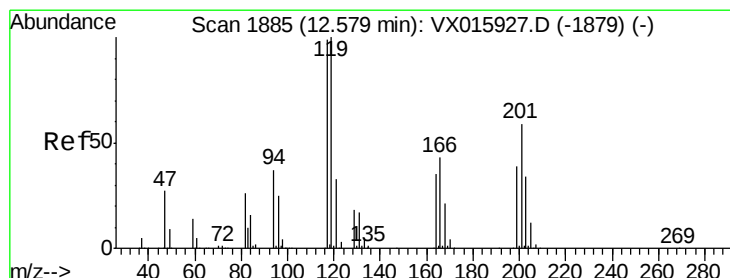
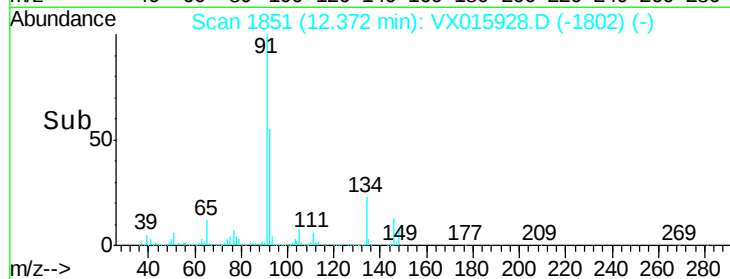
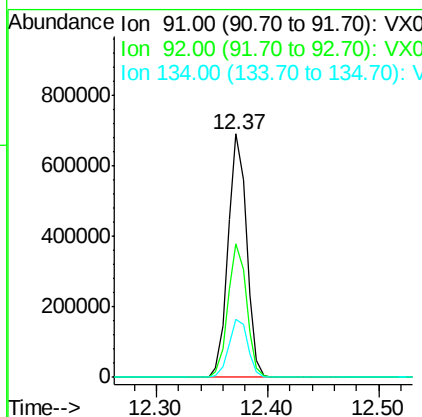
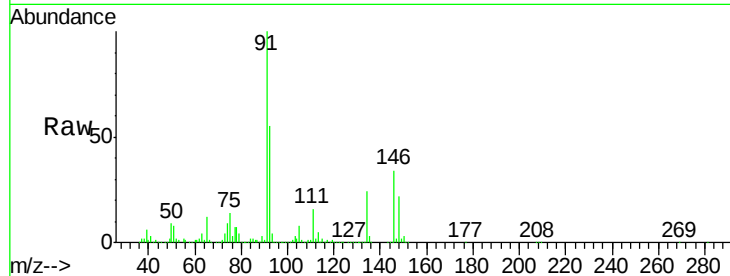
#89
n-Butylbenzene
Concen: 110.896 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.3	81.9
134	24.6	12.2	36.4

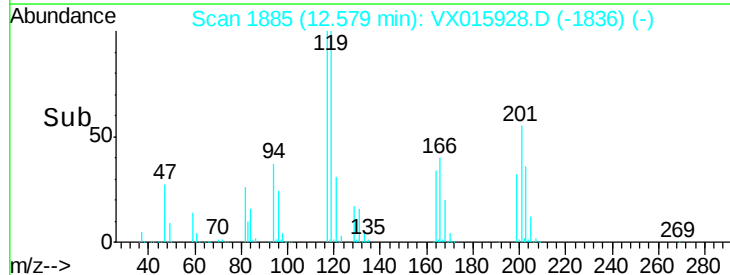
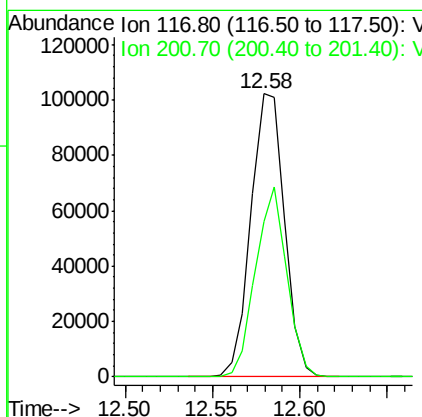
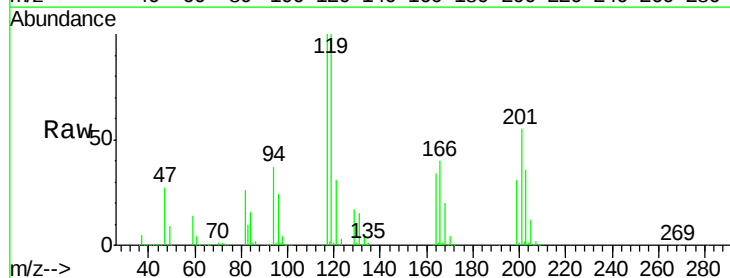
Manual Integrations
APPROVED

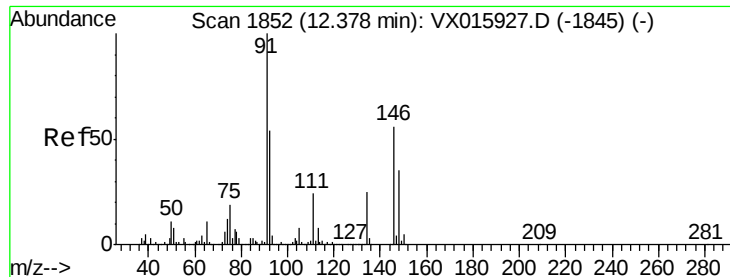
MMDadoda
4/27/2020 12:39:55 PM



#90
Hexachloroethane
Concen: 121.931 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	62.4	32.1	96.3





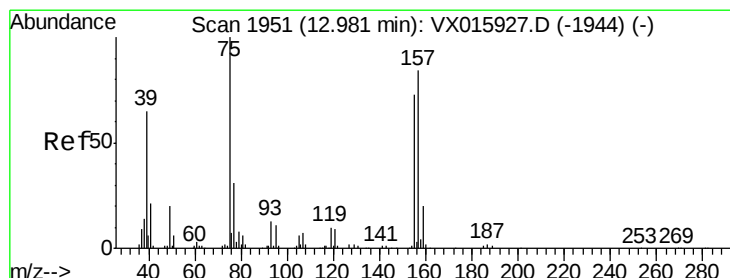
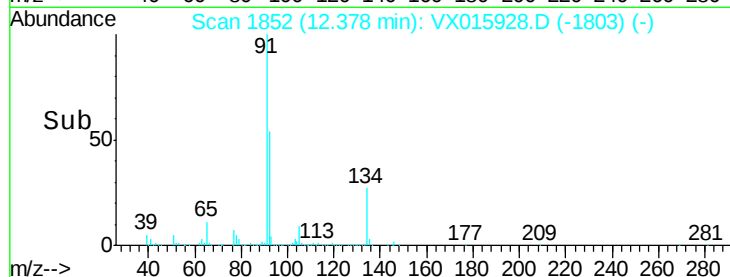
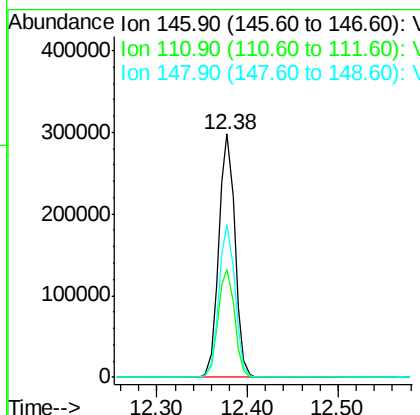
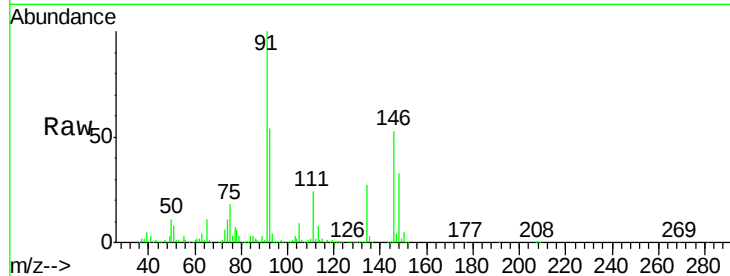
#91
 1,2-Dichlorobenzene
 Concen: 105.966 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX015928.D
 Acq: 24 Apr 2020 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	371309		
111	45.2	22.3	66.8	
148	62.8	31.4	94.2	

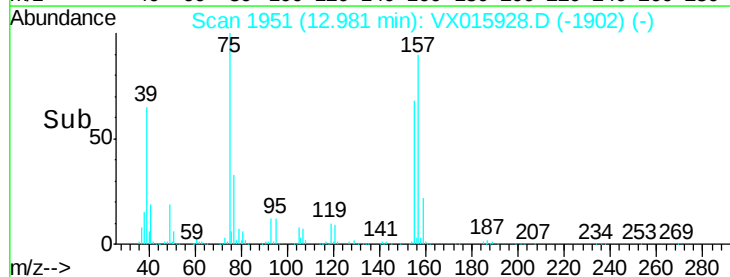
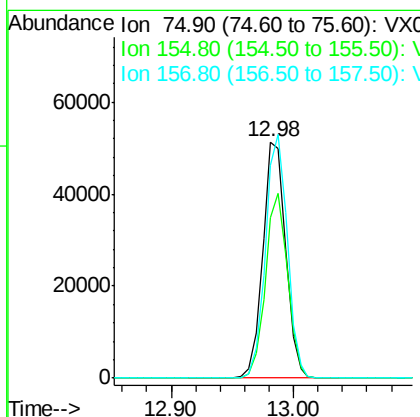
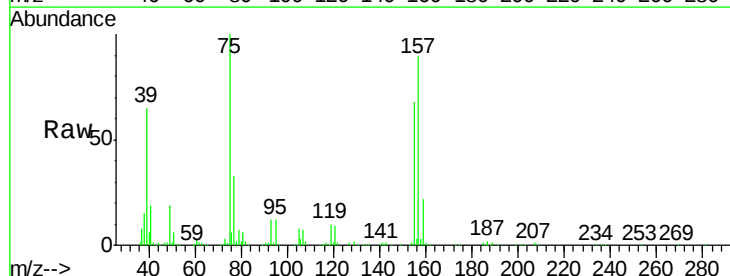
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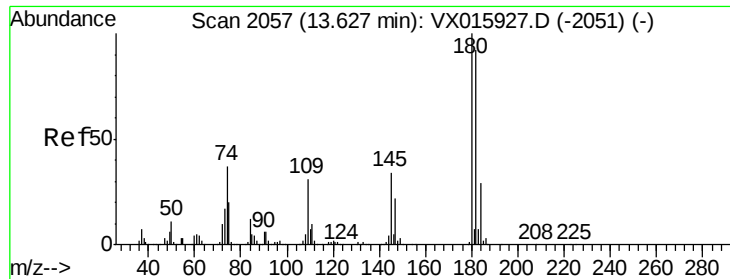
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 110.199 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX015928.D
 Acq: 24 Apr 2020 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	67315		
155	75.1	37.9	113.6	
157	97.8	47.9	143.8	





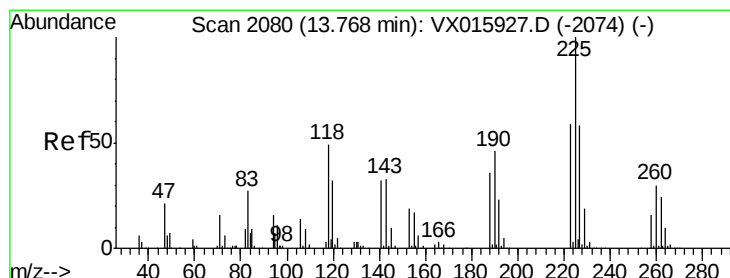
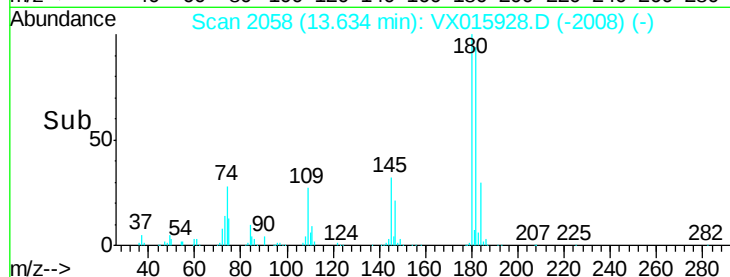
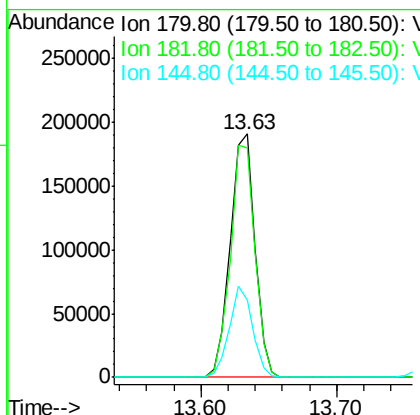
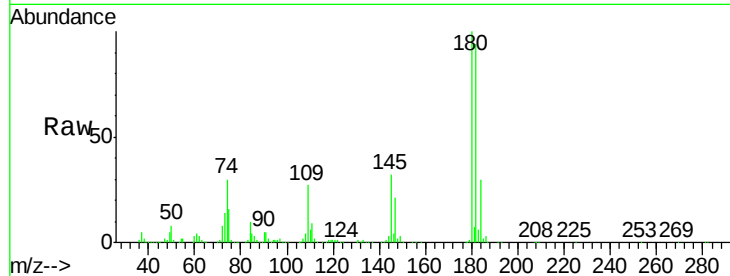
#93
 1,2,4-Trichlorobenzene
 Concen: 108.577 ug/l
 RT: 13.63 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: VX015928.D
 Acq: 24 Apr 2020 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	241368		
182	95.1	47.6	142.9	
145	35.2	17.3	52.0	

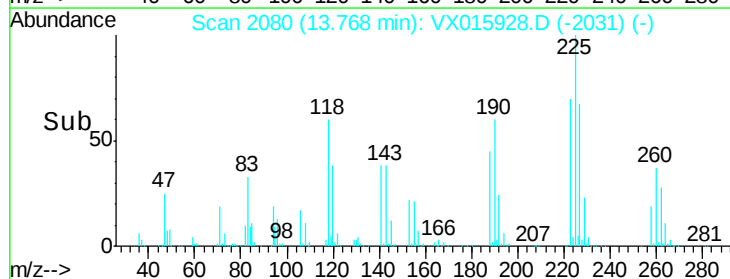
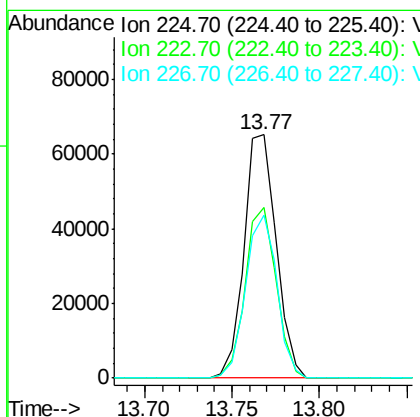
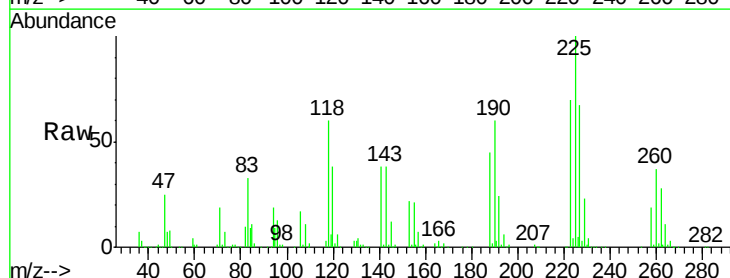
Manual Integrations
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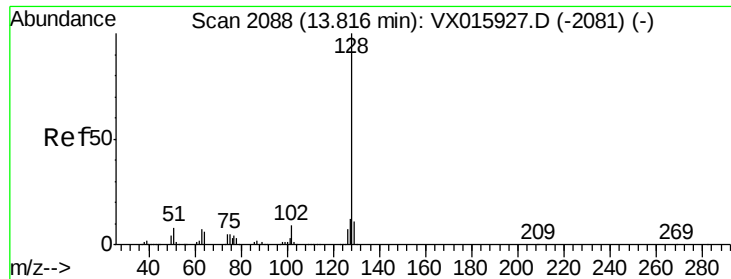
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#94
 Hexachlorobutadiene
 Concen: 105.047 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX015928.D
 Acq: 24 Apr 2020 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	83262		
223	67.7	30.6	91.6	
227	65.3	32.0	96.2	





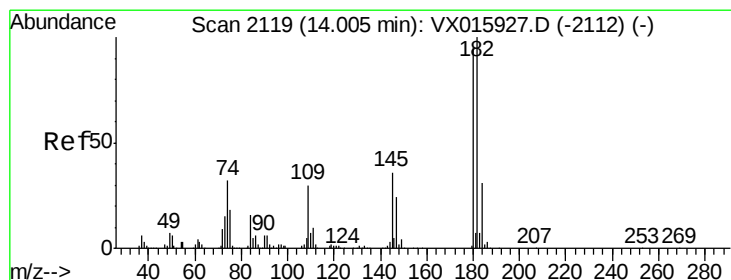
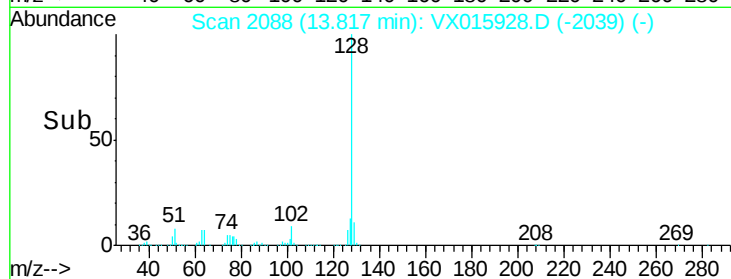
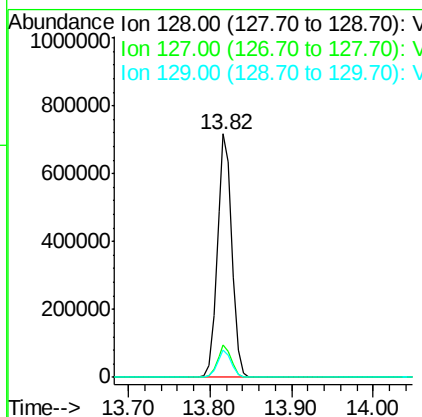
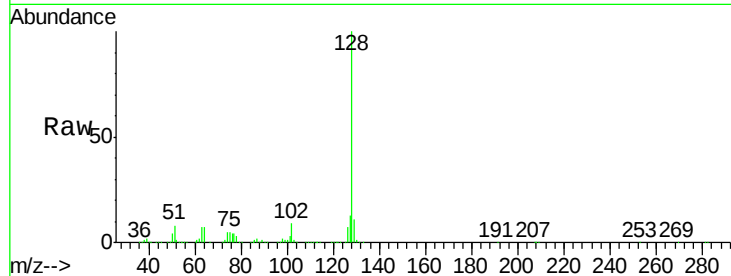
#95
Naphthalene
Concen: 112.228 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
128	100	899890		
127	12.6		10.1	15.1
129	10.9		8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 111.915 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	234921		
182	93.0		50.1	150.3
145	36.5		18.9	56.9

