

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042420\
 Data File : VX015926.D
 Acq On : 24 Apr 2020 11:50
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/27/2020 11:37:11 AM

Quant Time: Apr 24 12:48:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 24 12:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	148179	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	274439	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	258649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	122550	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	37852	18.32	ug/l	0.00
Spiked Amount						
			Recovery	=	36.64%	
35) Dibromofluoromethane	5.47	113	28114	18.41	ug/l	0.00
Spiked Amount						
			Recovery	=	36.82%	
50) Toluene-d8	8.70	98	116286	18.84	ug/l	0.00
Spiked Amount						
			Recovery	=	37.68%	
62) 4-Bromofluorobenzene	11.12	95	45469	17.36	ug/l	0.00
Spiked Amount						
			Recovery	=	34.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	32678	20.989	ug/l	99
3) Chloromethane	1.31	50	30799	19.215	ug/l	96
4) Vinyl Chloride	1.39	62	42286	20.399	ug/l	98
5) Bromomethane	1.63	94	19674	21.232	ug/l	93
6) Chloroethane	1.72	64	25113	19.717	ug/l	98
7) Trichlorofluoromethane	1.92	101	48861	19.673	ug/l	99
8) Diethyl Ether	2.17	74	22414	18.782	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	30750	19.687	ug/l	99
10) Methyl Iodide	2.49	142	29100	19.509	ug/l	99
11) Tert butyl alcohol	3.01	59	41723	97.547	ug/l	100
12) 1,1-Dichloroethene	2.36	96	31723	19.410	ug/l	95
13) Acrolein	2.28	56	26031	92.081	ug/l	98
14) Allyl chloride	2.71	41	56790	19.519	ug/l	100
15) Acrylonitrile	3.12	53	95863	101.550	ug/l	100
16) Acetone	2.42	43	74768	97.570	ug/l	97
17) Carbon Disulfide	2.55	76	90000	17.192	ug/l	98
18) Methyl Acetate	2.75	43	45105	19.650	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	117316	20.131	ug/l	100
20) Methylene Chloride	2.84	84	37001	19.512	ug/l	97
21) trans-1,2-Dichloroethene	3.14	96	36301	19.883	ug/l	96
22) Diisopropyl ether	3.82	45	111879	19.548	ug/l	98
23) Vinyl Acetate	3.79	43	469678	101.156	ug/l	99
24) 1,1-Dichloroethane	3.67	63	64969	19.951	ug/l	100
25) 2-Butanone	4.64	43	124043	101.064	ug/l	99
26) 2,2-Dichloropropane	4.55	77	57017	19.619	ug/l	100
27) cis-1,2-Dichloroethene	4.57	96	40281	19.390	ug/l	99
28) Bromochloromethane	4.98	49	28218	19.428	ug/l	99
29) Tetrahydrofuran	5.09	42	81483	99.897	ug/l	100
30) Chloroform	5.18	83	64705	20.101	ug/l	99
31) Cyclohexane	5.55	56	58763	19.847	ug/l	99
32) 1,1,1-Trichloroethane	5.47	97	57657	19.749	ug/l	100
36) 1,1-Dichloropropene	5.77	75	49321	18.996	ug/l	99
37) Ethyl Acetate	4.80	43	49809	19.164	ug/l	98
38) Carbon Tetrachloride	5.76	117	46018	19.660	ug/l	97

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Manual Integrations
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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	61256	19.596	ug/l	98
40) Benzene	6.12	78	149535	19.855	ug/l	99
41) Methacrylonitrile	5.01	41	28003	18.783	ug/l	100
42) 1,2-Dichloroethane	6.17	62	53462	20.250	ug/l	99
43) Isopropyl Acetate	6.42	43	84854	20.214	ug/l	100
44) Trichloroethene	7.19	130	46467	19.854	ug/l	100
45) 1,2-Dichloropropane	7.49	63	38408	19.969	ug/l	99
46) Dibromomethane	7.64	93	25852	20.066	ug/l	99
47) Bromodichloromethane	7.88	83	51352	19.884	ug/l	99
48) Methyl methacrylate	7.74	41	40277	19.473	ug/l	99
49) 1,4-Dioxane	7.71	88	17790	395.739	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	251214	103.551	ug/l	99
52) Toluene	8.77	92	94457	19.792	ug/l	97
53) t-1,3-Dichloropropene	9.02	75	62435	19.992	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	65253	19.988	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	37635	19.693	ug/l	99
56) Ethyl methacrylate	9.16	69	60360	20.264	ug/l	98
57) 1,3-Dichloropropane	9.35	76	66162	20.396	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	152609	103.046	ug/l	99
59) 2-Hexanone	9.48	43	189530	103.987	ug/l	100
60) Dibromochloromethane	9.57	129	37682	20.616	ug/l	99
61) 1,2-Dibromoethane	9.65	107	38993	19.914	ug/l	99
64) Tetrachloroethene	9.32	164	50132	19.518	ug/l	97
65) Chlorobenzene	10.12	112	100918	20.051	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	35064	19.871	ug/l	99
67) Ethyl Benzene	10.24	91	182958	19.642	ug/l	98
68) m/p-Xylenes	10.34	106	136456	40.256	ug/l	99
69) o-Xylene	10.68	106	65721	19.900	ug/l	99
70) Styrene	10.70	104	113619	20.405	ug/l	99
71) Bromoform	10.84	173	22709	20.215	ug/l #	97
73) Isopropylbenzene	11.01	105	175609	19.583	ug/l	100
74) N-amyl acetate	10.88	43	77259	20.305	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	39731	20.349	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	52537m	16.395	ug/l	
77) Bromobenzene	11.24	156	39756	19.754	ug/l	99
78) n-propylbenzene	11.35	91	206890	19.620	ug/l	100
79) 2-Chlorotoluene	11.40	91	122021	19.851	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	149910	19.956	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	21028	20.125	ug/l	97
82) 4-Chlorotoluene	11.49	91	145601	19.830	ug/l	99
83) tert-Butylbenzene	11.76	119	125387	19.735	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	151910	19.702	ug/l	100
85) sec-Butylbenzene	11.93	105	169224	19.616	ug/l	98
86) p-Isopropyltoluene	12.05	119	156435	19.897	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	73471	19.842	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	73544	19.570	ug/l	98
89) n-Butylbenzene	12.37	91	145932	19.808	ug/l	100
90) Hexachloroethane	12.58	117	22983	19.681	ug/l	95
91) 1,2-Dichlorobenzene	12.38	146	72390	20.036	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	12142	19.278	ug/l	97

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ClientSampleId :
VSTDICC020

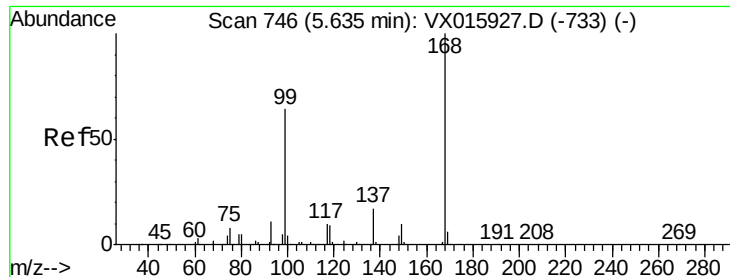
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Apr 24 12:30:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	43299	18.890	ug/l	98
94) Hexachlorobutadiene	13.77	225	15593	19.079	ug/l	98
95) Naphthalene	13.82	128	167173	20.220	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	43008	19.871	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX015926.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 148179

Ion Ratio Lower Upper

168 100

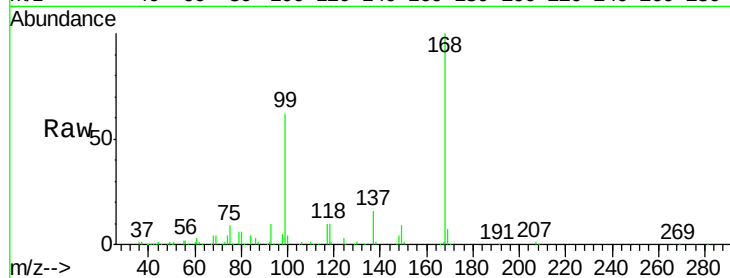
99 62.0 51.2 76.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

60000

50000

40000

30000

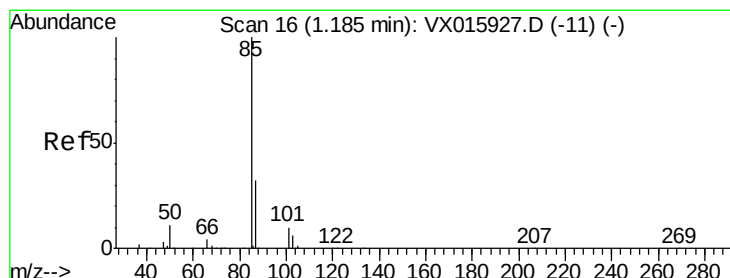
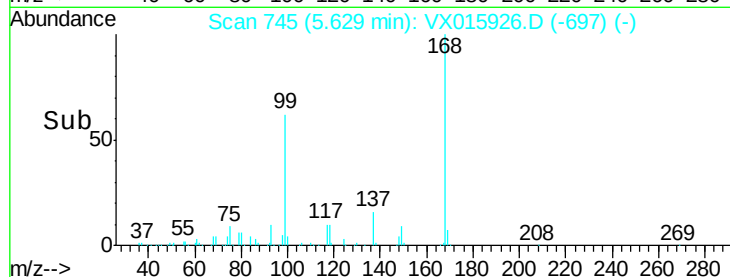
20000

10000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.989 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX015926.D

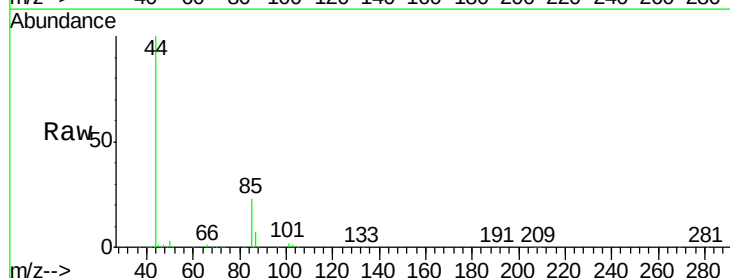
Acq: 24 Apr 2020 11:50

Tgt Ion: 85 Resp: 32678

Ion Ratio Lower Upper

85 100

87 31.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

40000

30000

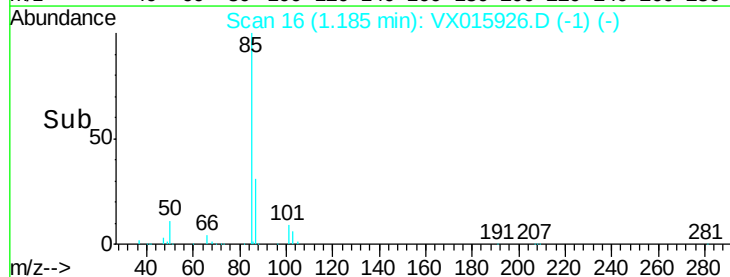
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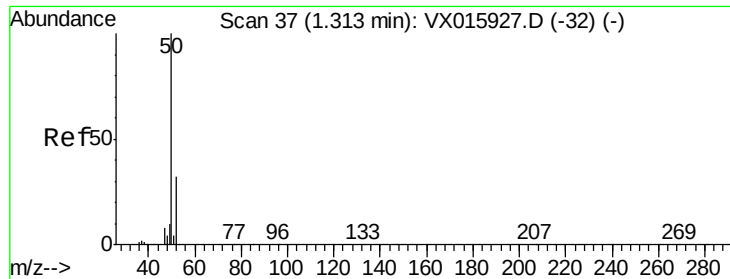
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.215 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX015926.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 30799

Ion Ratio Lower Upper

50 100

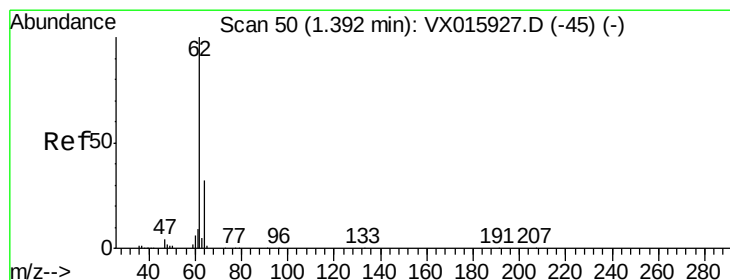
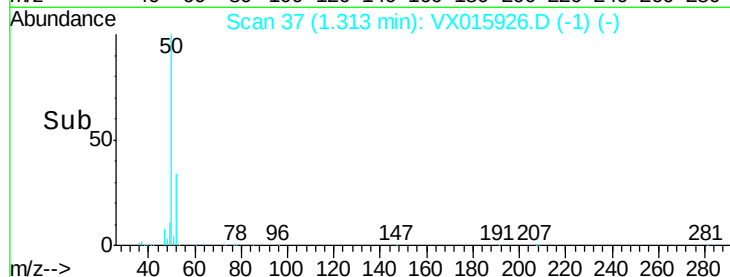
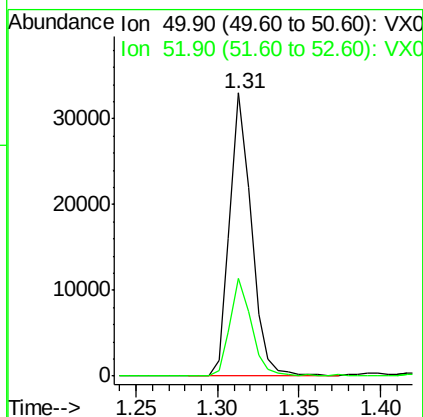
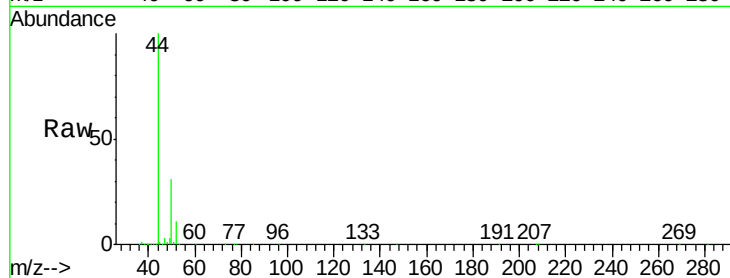
52 34.5 25.9 38.9

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#4

Vinyl Chloride

Concen: 20.399 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX015926.D

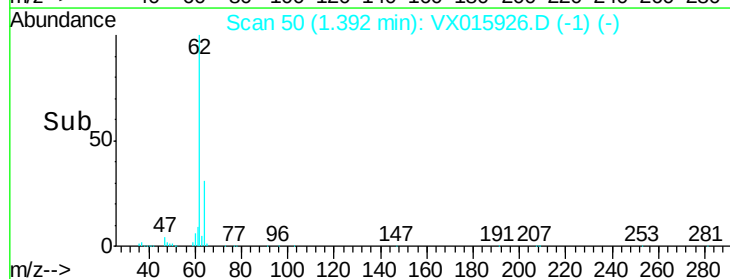
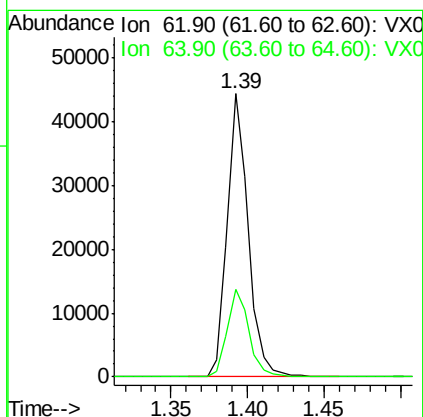
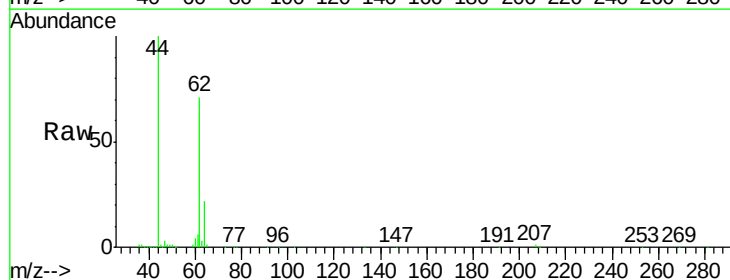
Acq: 24 Apr 2020 11:50

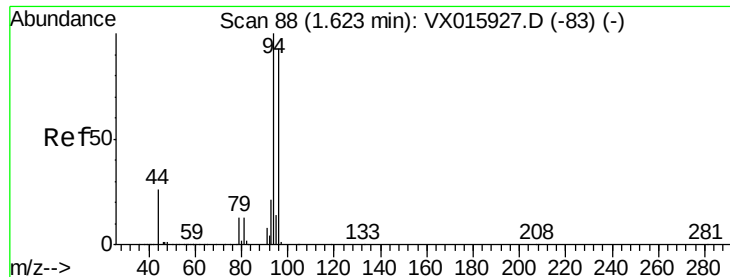
Tgt Ion: 62 Resp: 42286

Ion Ratio Lower Upper

62 100

64 30.8 25.5 38.3





#5

Bromomethane

Concen: 21.232 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX015926.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 19674

Ion Ratio Lower Upper

94 100

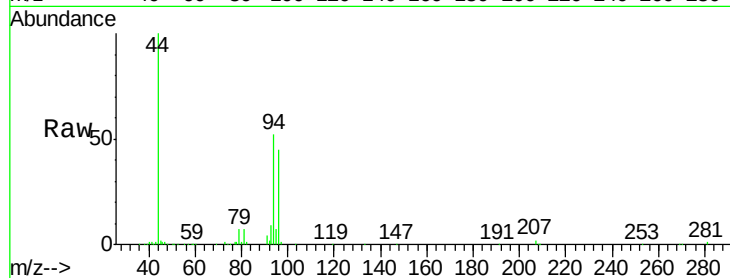
96 86.7 74.8 112.2

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

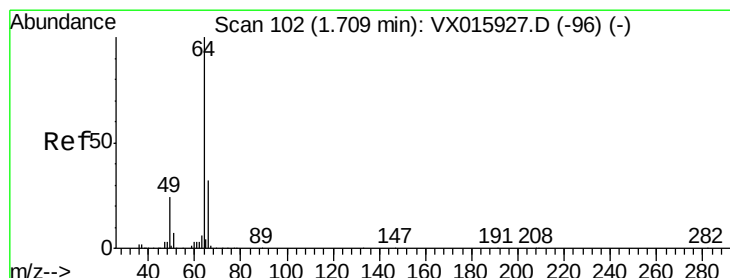
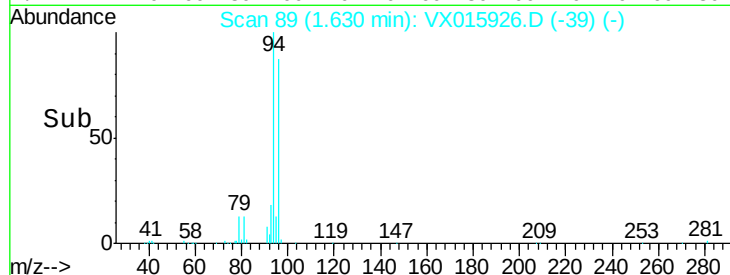
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 19.717 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX015926.D

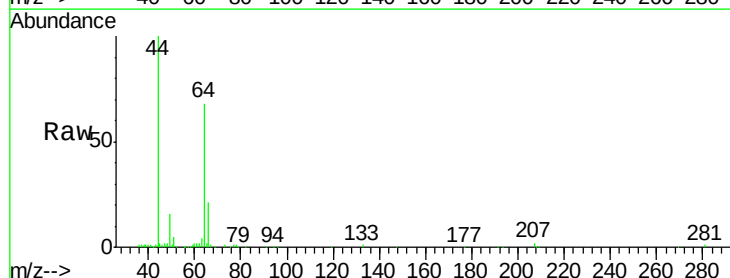
Acq: 24 Apr 2020 11:50

Tgt Ion: 64 Resp: 25113

Ion Ratio Lower Upper

64 100

66 31.3 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

20000

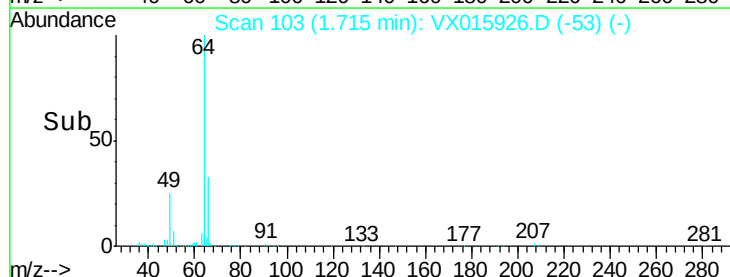
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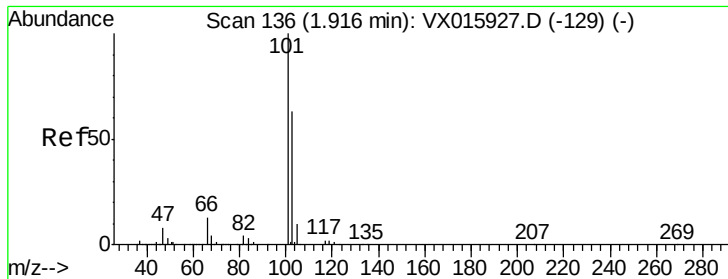
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5000

0

Time-->





#7

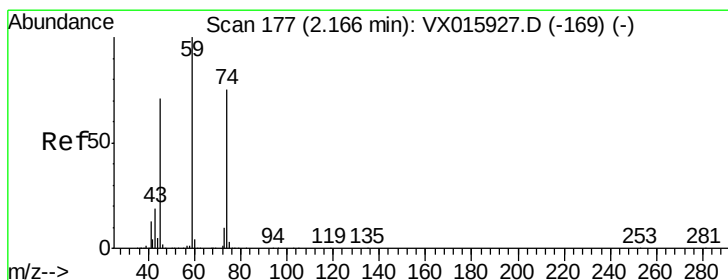
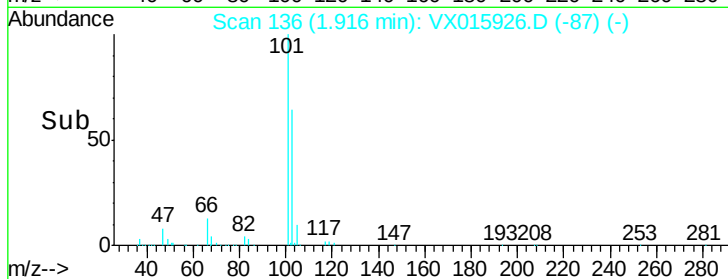
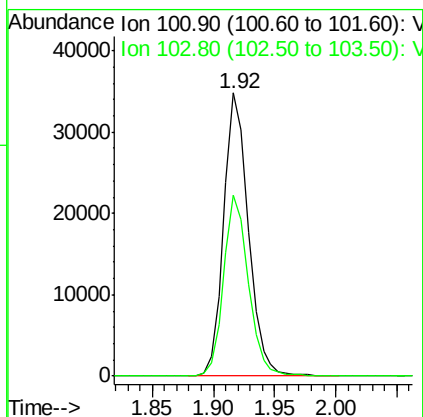
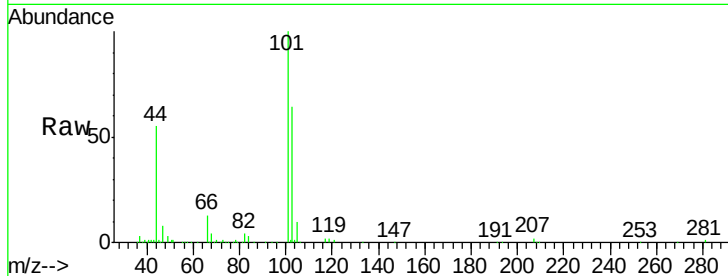
Trichlorofluoromethane
Concen: 19.673 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX015926.D
Acq: 24 Apr 2020 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	50.8	76.2

Manual Integrations
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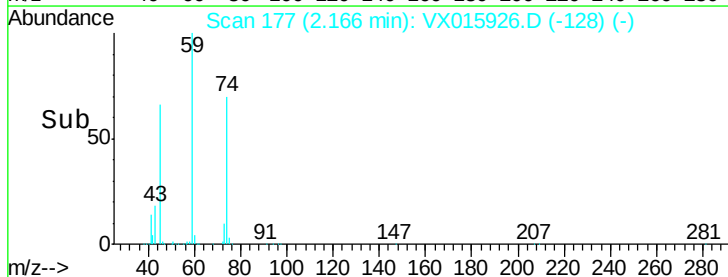
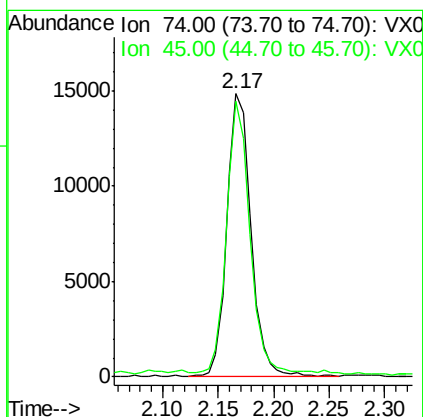
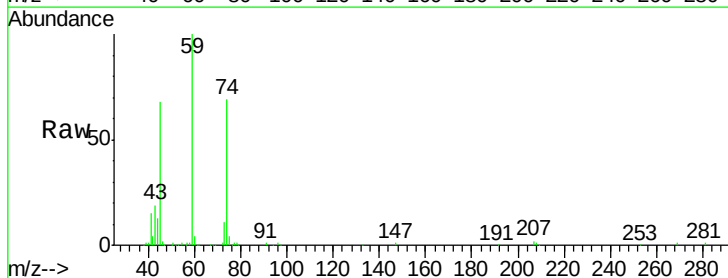
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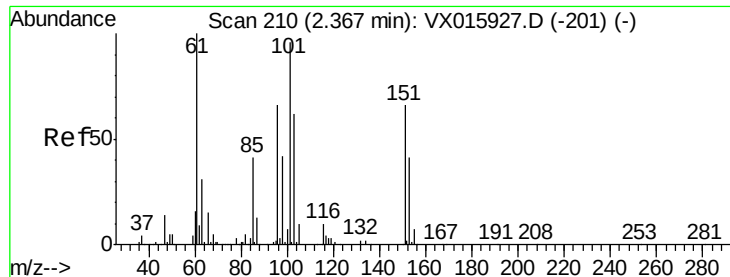


#8

Diethyl Ether
Concen: 18.782 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX015926.D
Acq: 24 Apr 2020 11:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.8	46.9	140.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.687 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX015926.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_X

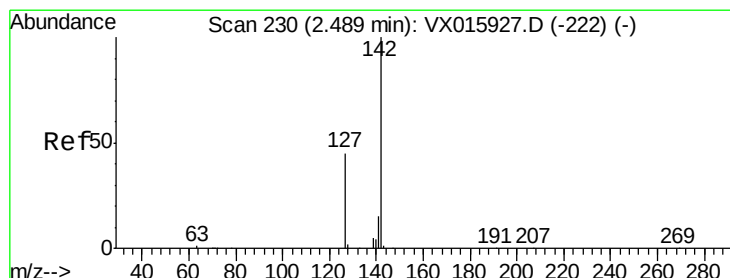
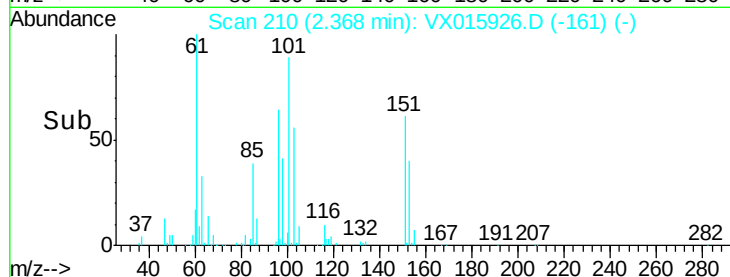
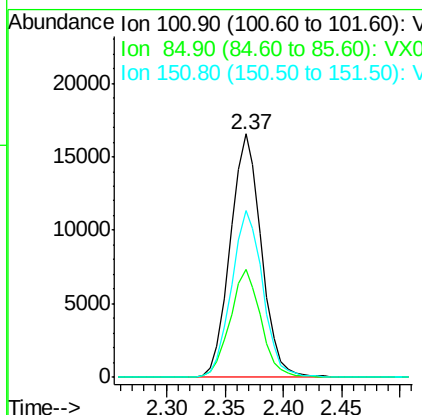
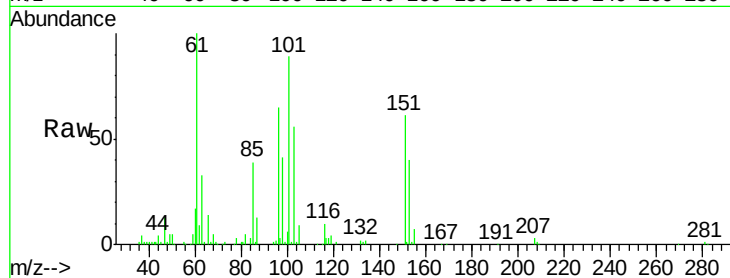
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	30750
Ion Ratio	Lower	Upper	
101	100		
85	44.0	34.9	52.3
151	69.2	55.8	83.6

Manual Integrations
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#10

Methyl Iodide

Concen: 19.509 ug/l

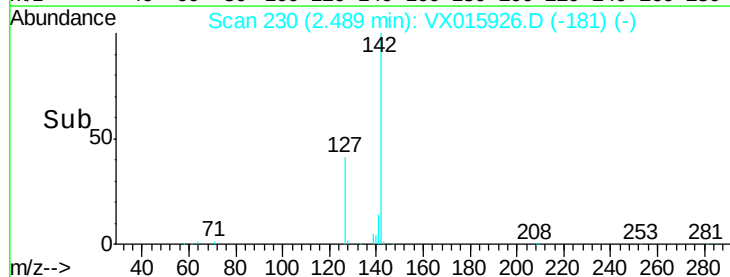
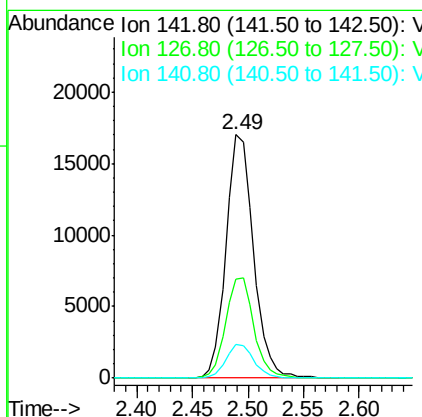
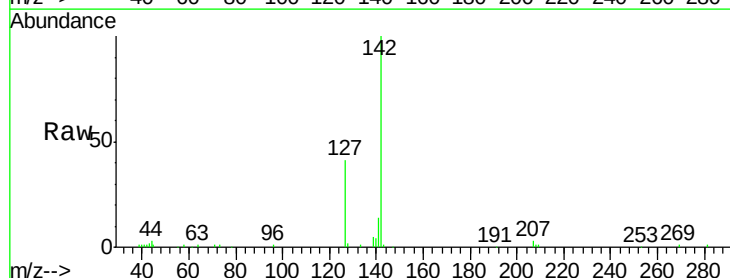
RT: 2.49 min Scan# 230

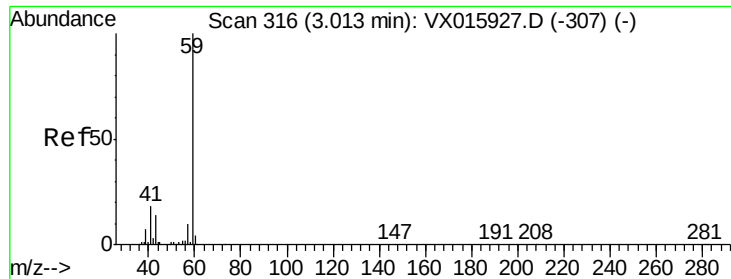
Delta R.T. 0.00 min

Lab File: VX015926.D

Acq: 24 Apr 2020 11:50

Tgt Ion:	142	Resp:	29100
Ion Ratio	Lower	Upper	
142	100		
127	42.1	34.4	51.6
141	14.1	11.5	17.3





#11

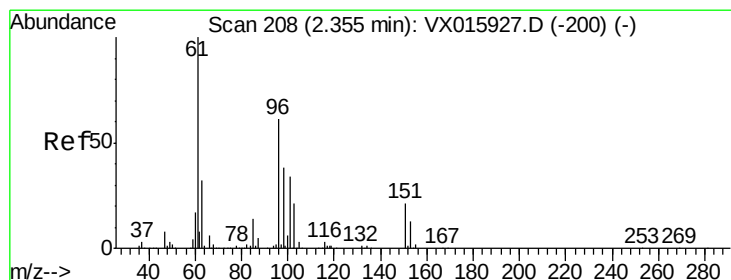
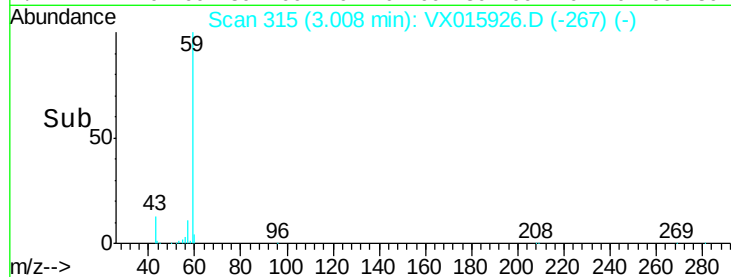
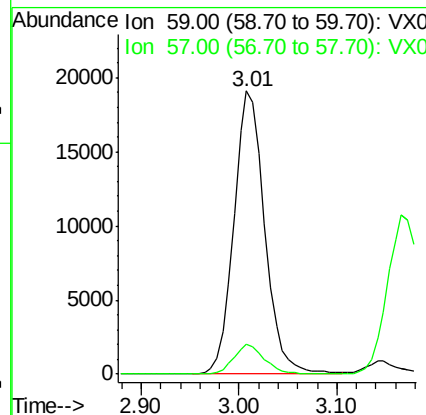
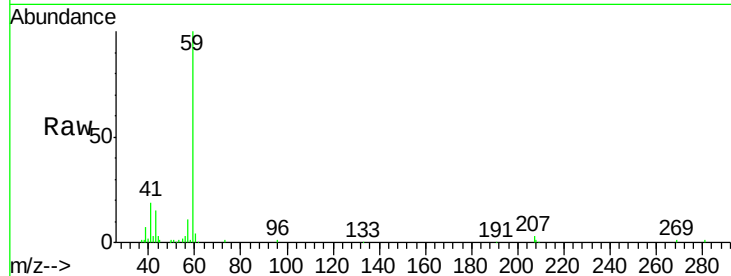
Tert butyl alcohol
Concen: 97.547 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX015926.D
Acq: 24 Apr 2020 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 59 Resp: 41723
Ion Ratio Lower Upper
59 100
57 10.3 8.4 12.6

Manual Integrations
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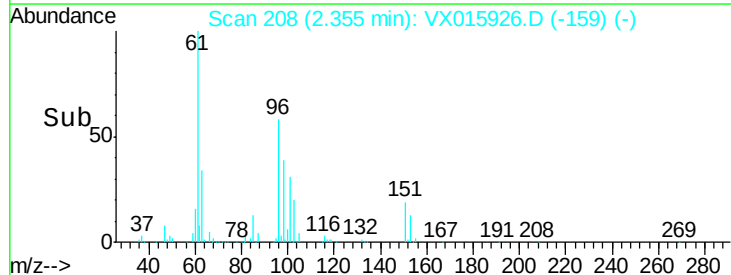
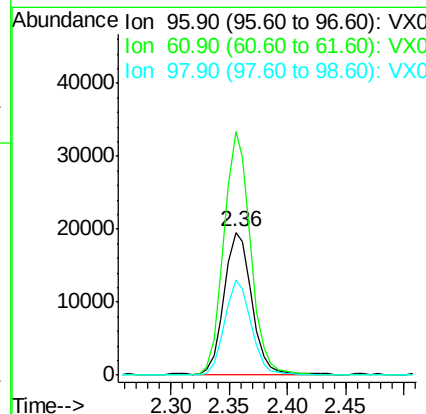
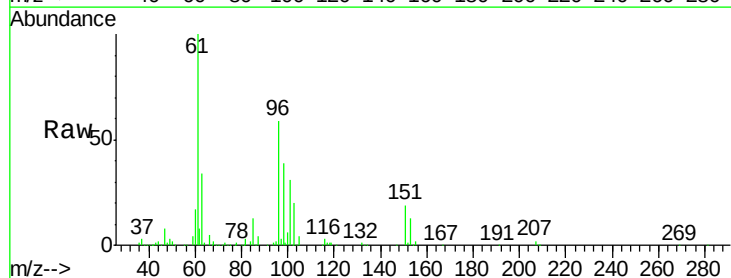
MMDadoda
4/27/2020 11:37:11 AM

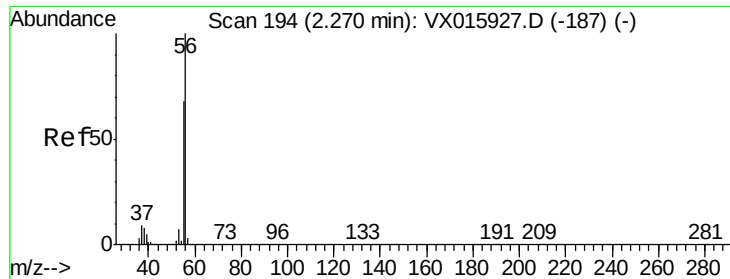


#12

1,1-Dichloroethene
Concen: 19.410 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX015926.D
Acq: 24 Apr 2020 11:50

Tgt Ion: 96 Resp: 31723
Ion Ratio Lower Upper
96 100
61 171.1 131.2 196.8
98 67.0 50.2 75.4





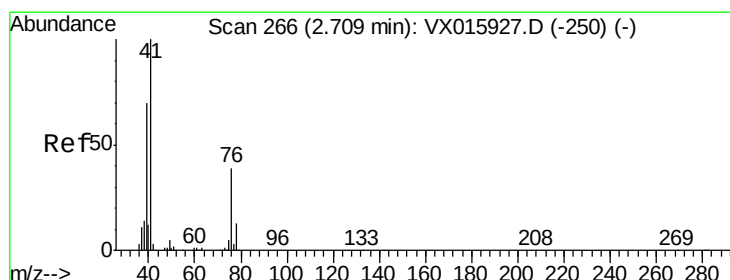
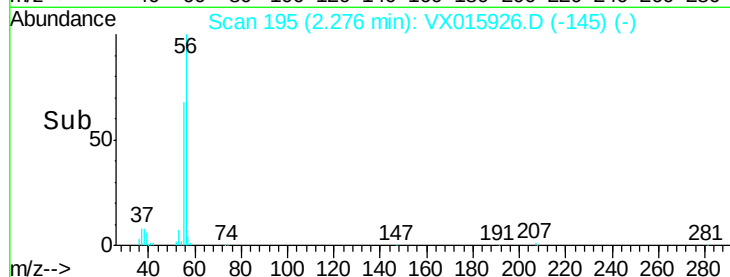
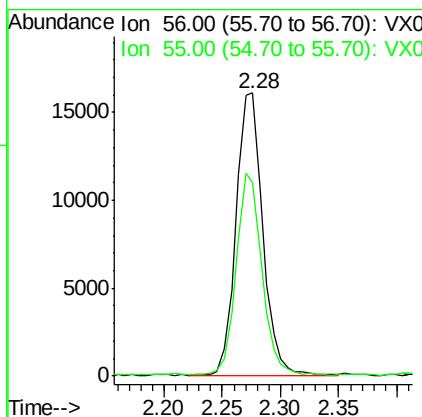
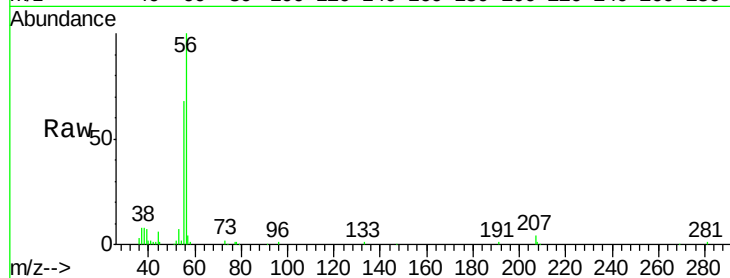
#13
Acrolein
Concen: 92.081 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX015926.D
Acq: 24 Apr 2020 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.3	56.0	84.0

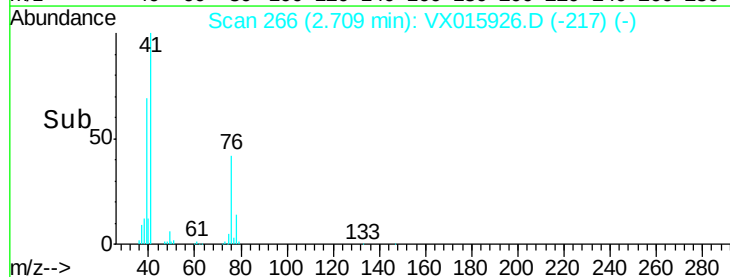
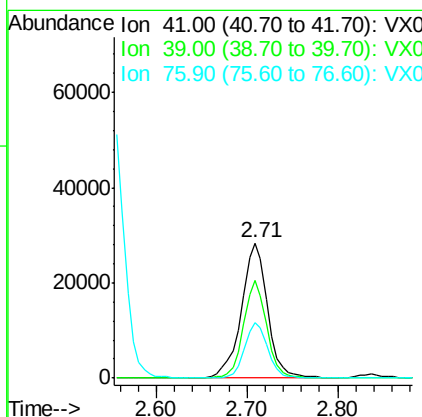
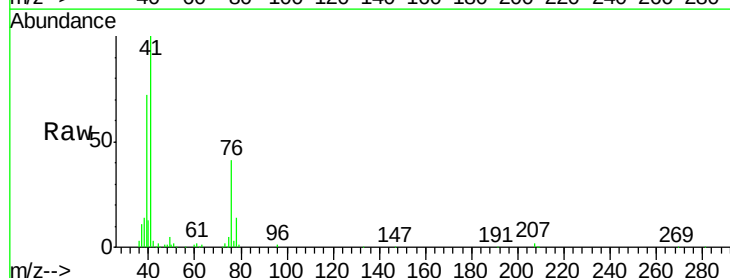
Manual Integrations
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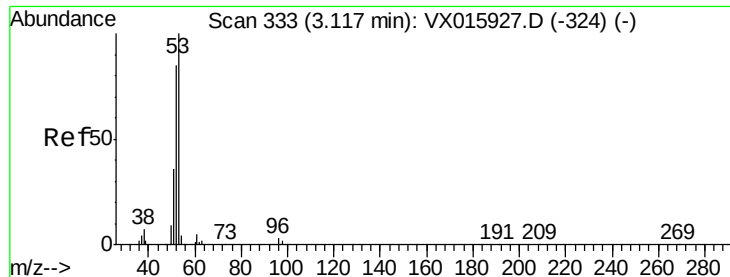
MMDadoda
4/27/2020 11:37:11 AM



#14
Allyl chloride
Concen: 19.519 ug/l
RT: 2.71 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX015926.D
Acq: 24 Apr 2020 11:50

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.5	51.6	77.4
76	36.6	29.3	43.9





#15

Acrylonitrile

Concen: 101.550 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX015926.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_X

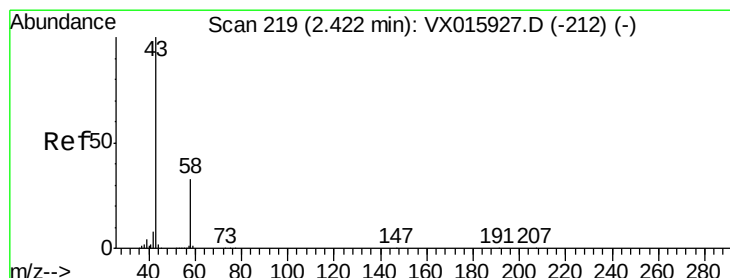
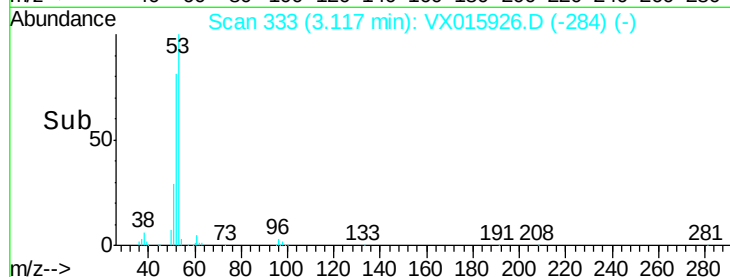
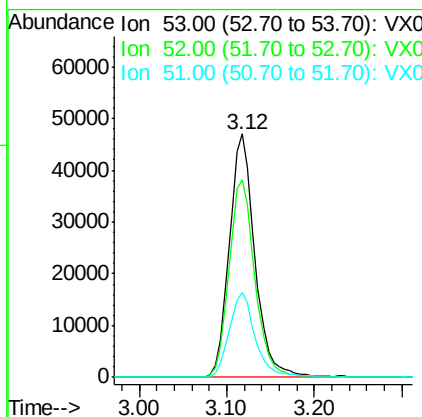
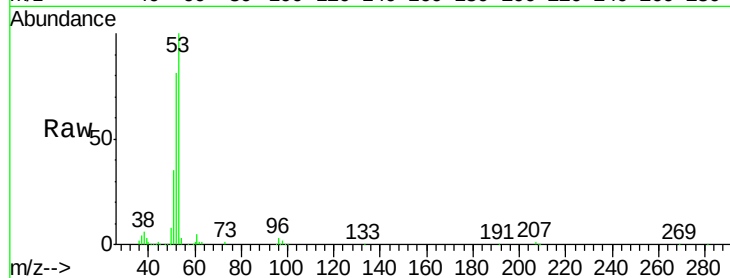
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	95863
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.5	98.3
51	35.6	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 97.570 ug/l

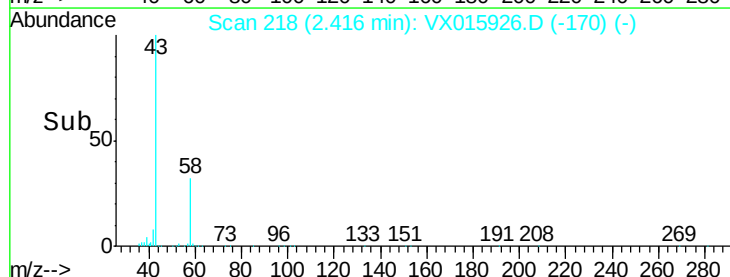
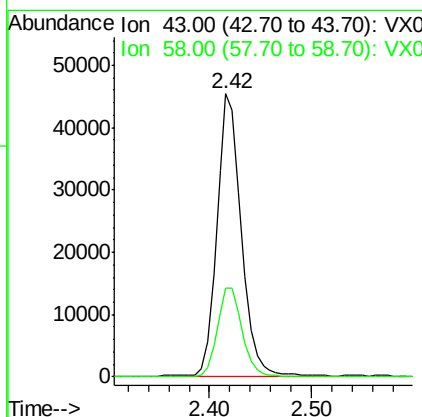
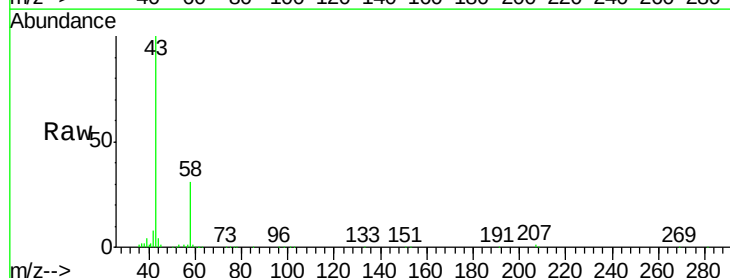
RT: 2.42 min Scan# 218

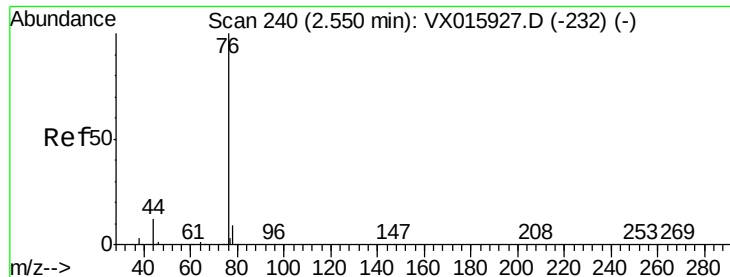
Delta R.T. -0.01 min

Lab File: VX015926.D

Acq: 24 Apr 2020 11:50

Tgt Ion:	43	Resp:	74768
Ion	Ratio	Lower	Upper
43	100		
58	31.5	26.4	39.6





#17

Carbon Disulfide

Concen: 17.192 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX015926.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 90000

Ion Ratio Lower Upper

76 100

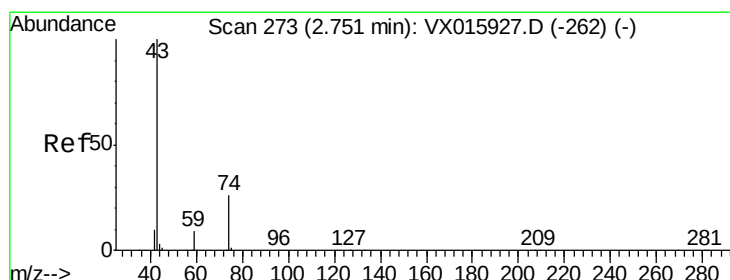
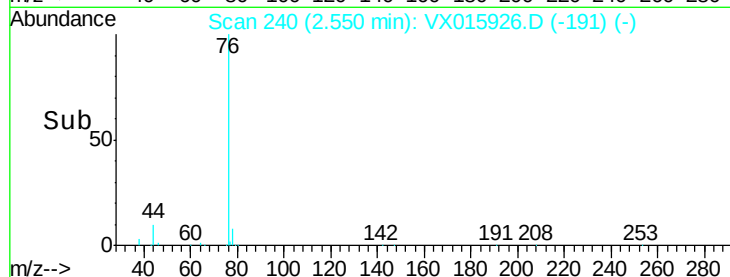
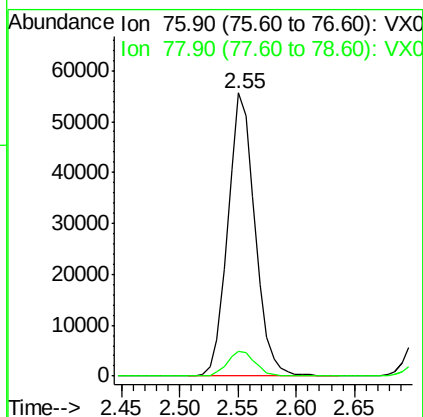
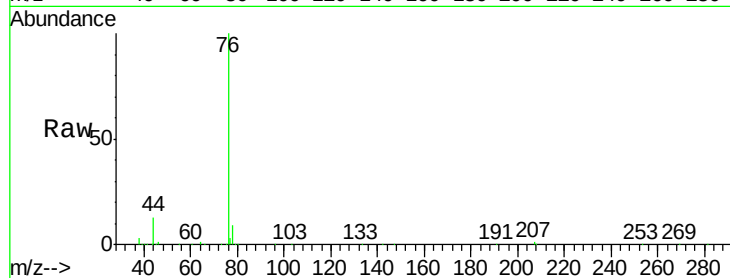
78 8.7 7.4 11.2

Manual Integrations

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#18

Methyl Acetate

Concen: 19.650 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX015926.D

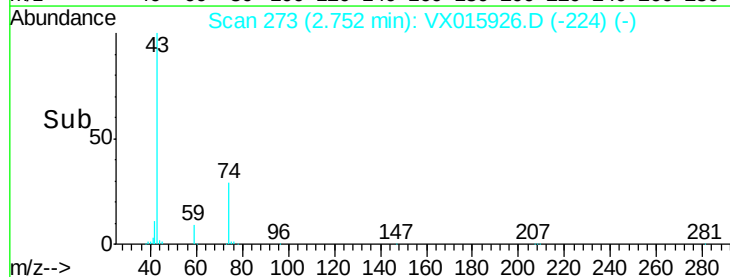
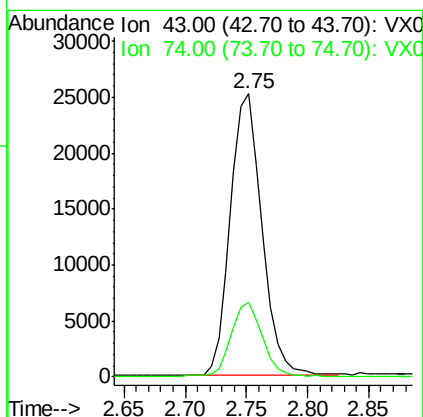
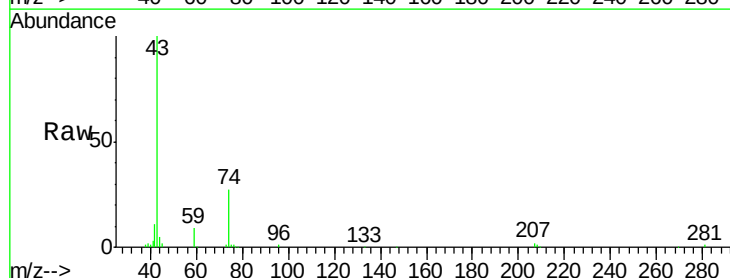
Acq: 24 Apr 2020 11:50

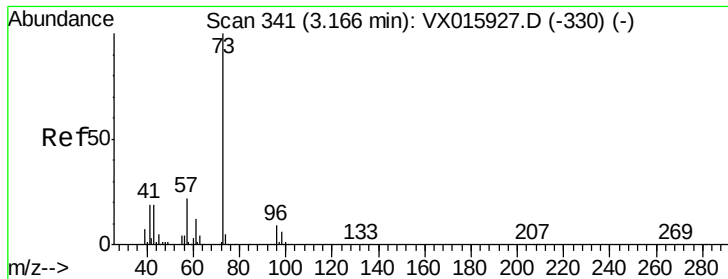
Tgt Ion: 43 Resp: 45105

Ion Ratio Lower Upper

43 100

74 26.6 21.0 31.4





#19

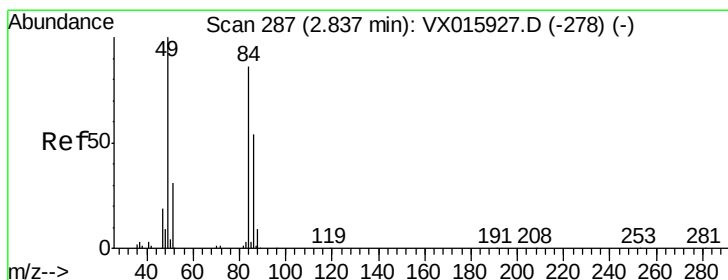
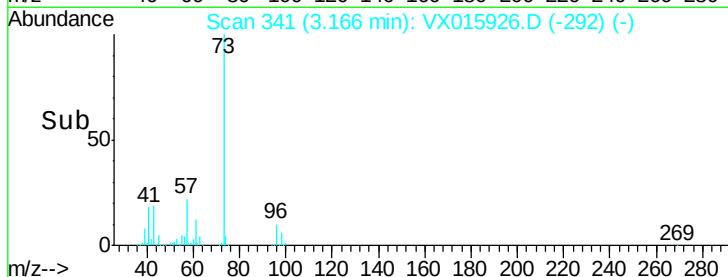
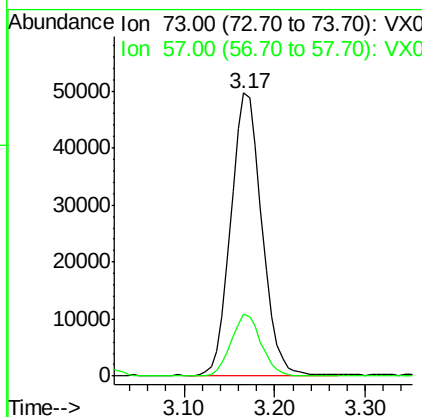
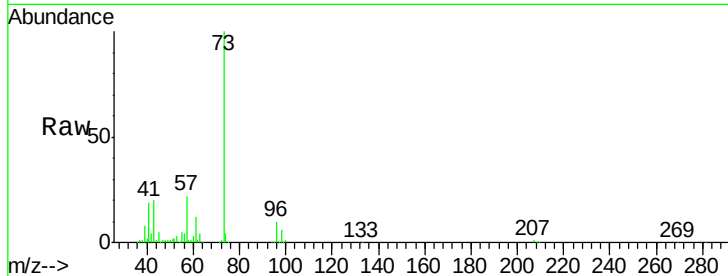
Methyl tert-butyl Ether
 Concen: 20.131 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VX015926.D
 Acq: 24 Apr 2020 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.3	25.9

Manual Integrations
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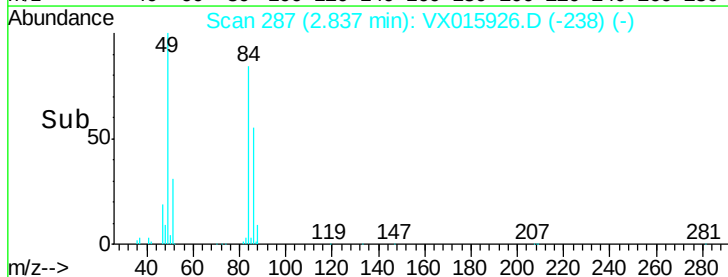
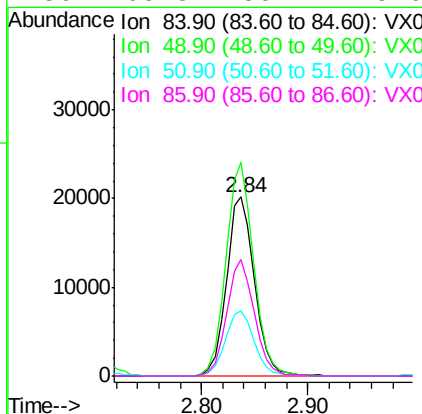
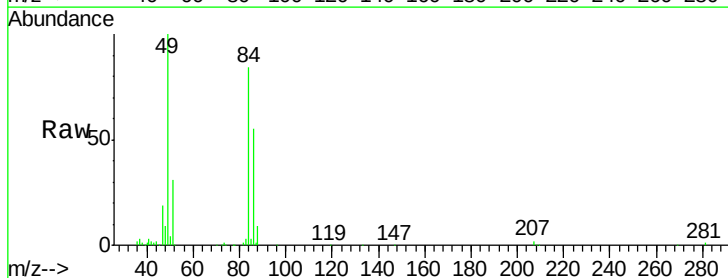
MMDadoda
 4/27/2020 11:37:11 AM

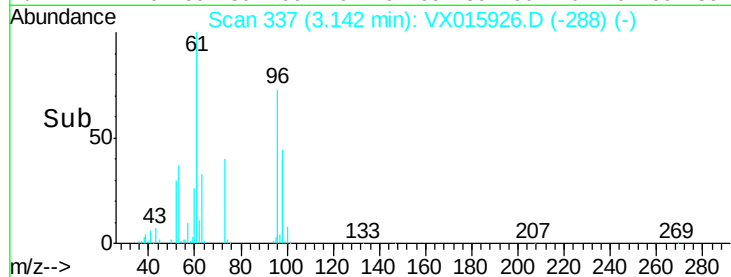
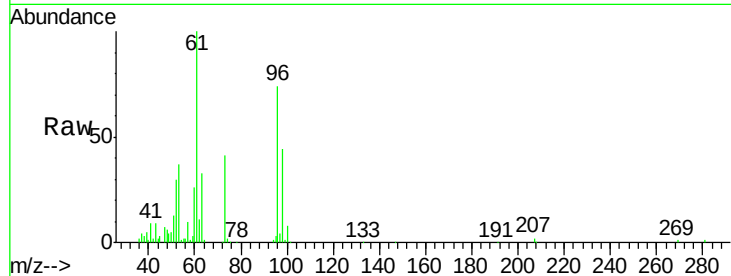
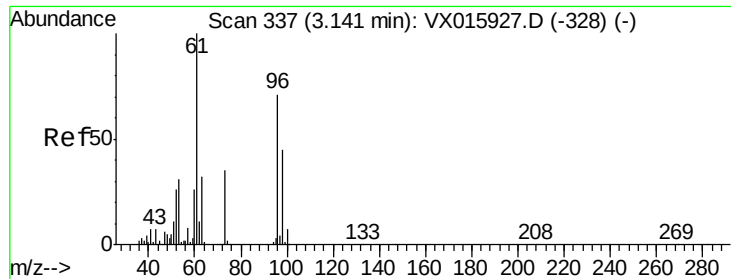


#20

Methylene Chloride
 Concen: 19.512 ug/l
 RT: 2.84 min Scan# 287
 Delta R.T. 0.00 min
 Lab File: VX015926.D
 Acq: 24 Apr 2020 11:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.4	93.0	139.6
51	36.5	28.6	43.0
86	65.3	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 19.883 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX015926.D

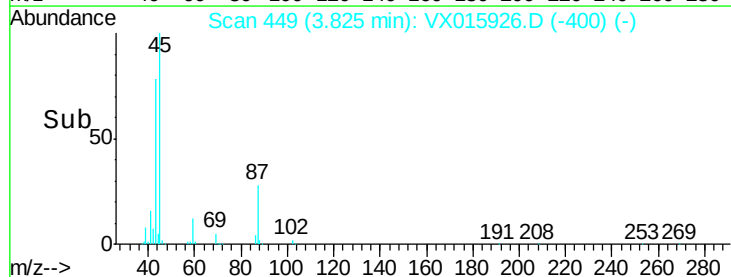
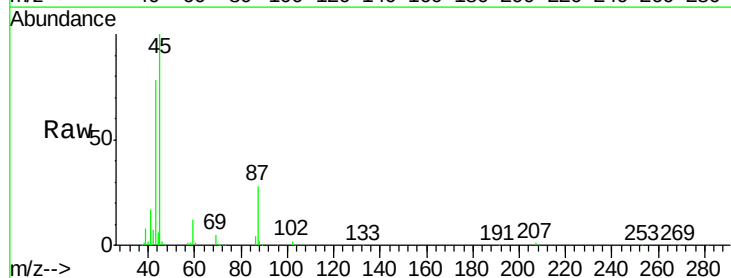
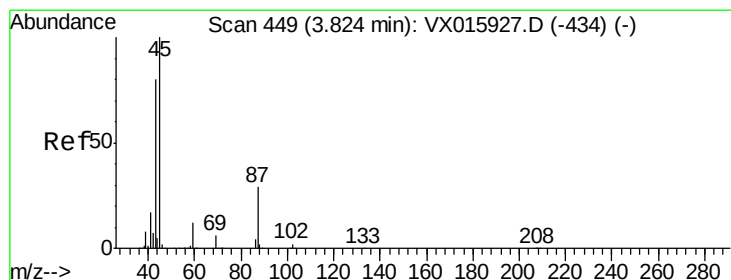
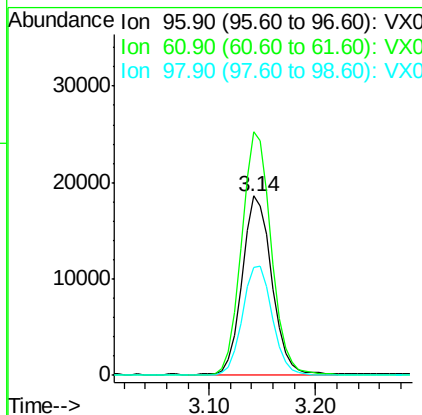
Acq: 24 Apr 2020 11:50

Tot Ion:	96	Resp:	36301
Ion	Ratio	Lower	Upper
96	100		
61	136.3	112.7	169.1
98	60.5	51.0	76.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.548 ug/l

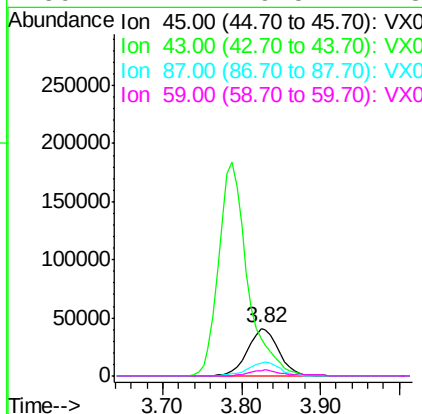
RT: 3.82 min Scan# 449

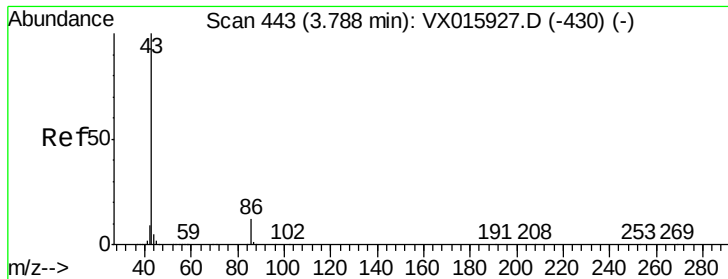
Delta R.T. 0.00 min

Lab File: VX015926.D

Acq: 24 Apr 2020 11:50

Tgt Ion:	45	Resp:	111879
Ion	Ratio	Lower	Upper
45	100		
43	77.2	63.8	95.6
87	27.9	22.9	34.3
59	12.1	9.5	14.3





#23

Vinyl Acetate

Concen: 101.156 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX015926.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 469678

Ion Ratio Lower Upper

43 100

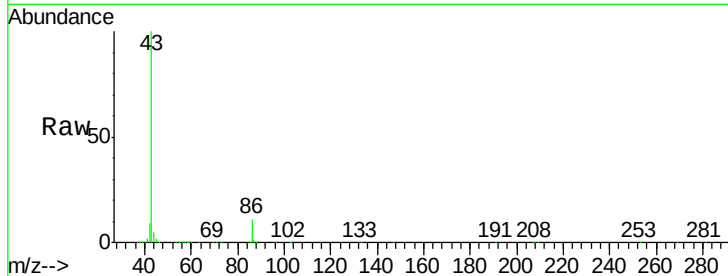
86 11.5 9.4 14.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.79

200000

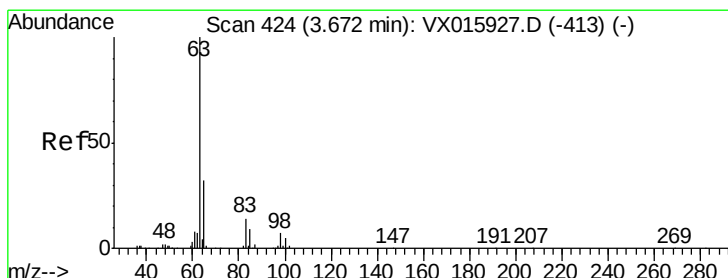
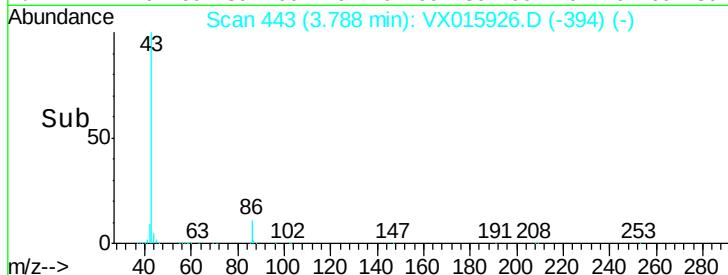
150000

100000

50000

0

Time--> 3.60 3.70 3.80 3.90 4.00



#24

1,1-Dichloroethane

Concen: 19.951 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX015926.D

Acq: 24 Apr 2020 11:50

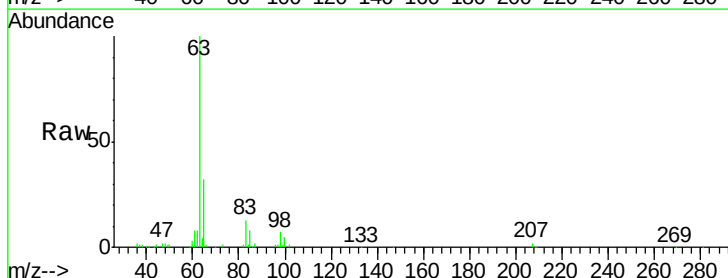
Tgt Ion: 63 Resp: 64969

Ion Ratio Lower Upper

63 100

98 7.4 3.7 11.1

100 4.7 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.67

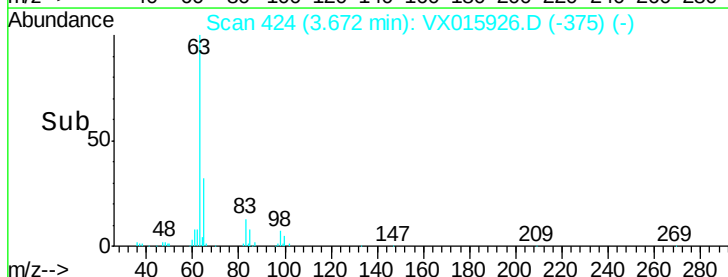
30000

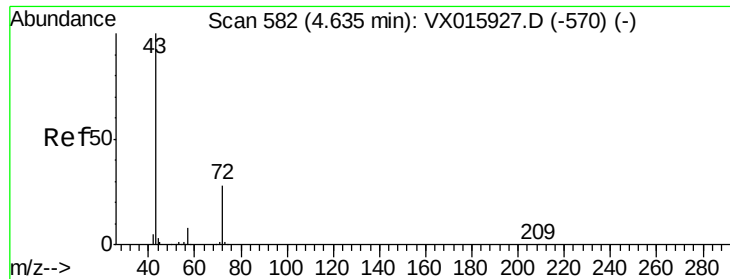
20000

10000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 101.064 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX015926.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 124043

Ion Ratio Lower Upper

43 100

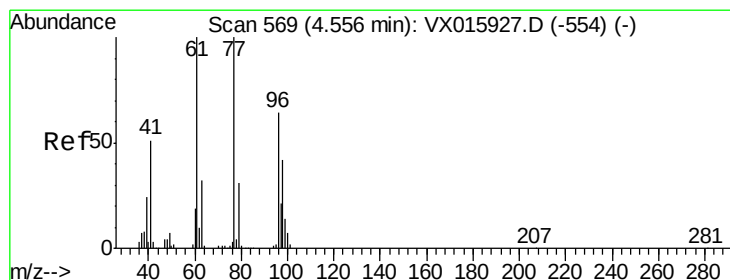
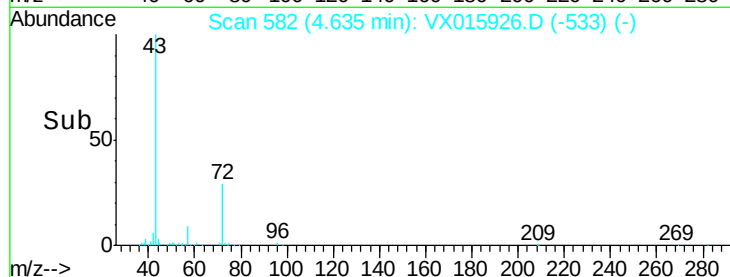
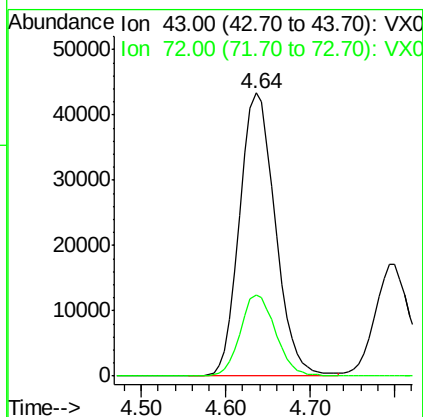
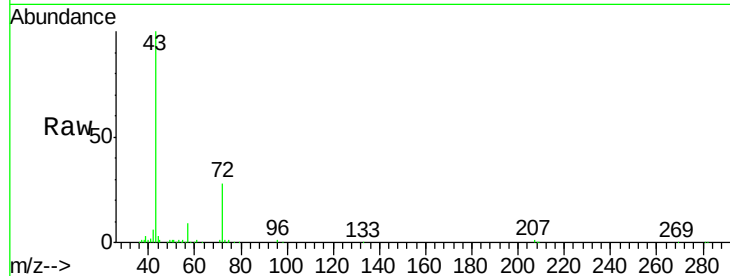
72 28.3 22.4 33.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.619 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VX015926.D

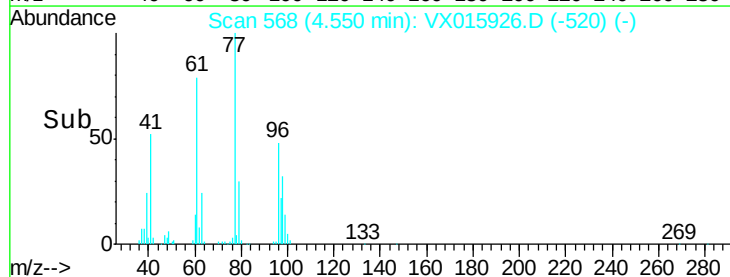
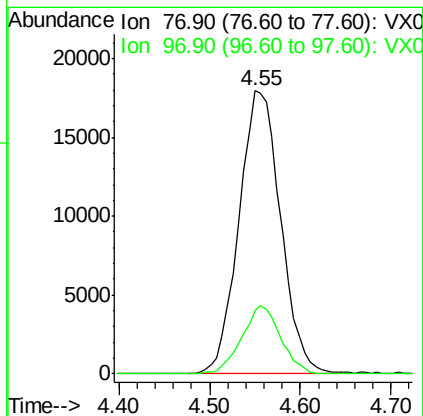
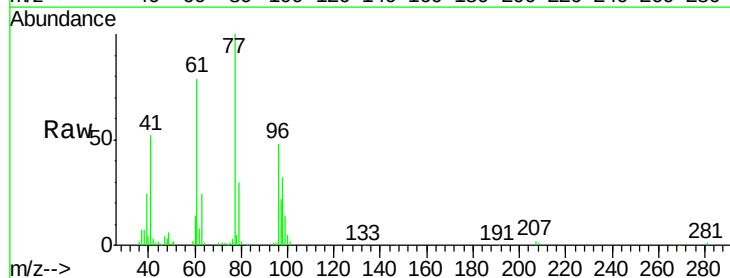
Acq: 24 Apr 2020 11:50

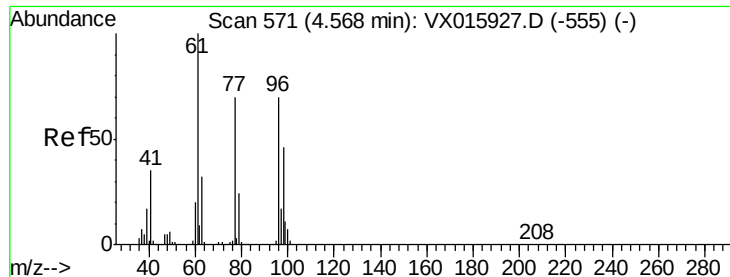
Tgt Ion: 77 Resp: 57017

Ion Ratio Lower Upper

77 100

97 22.5 11.3 33.9





#27

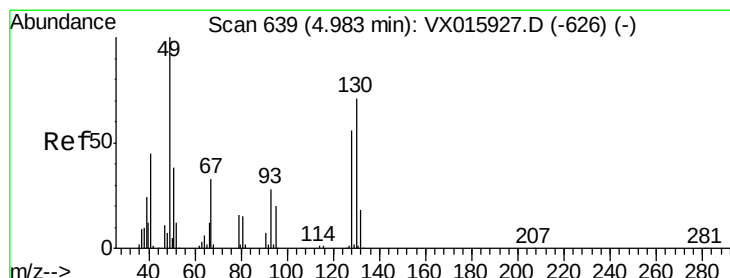
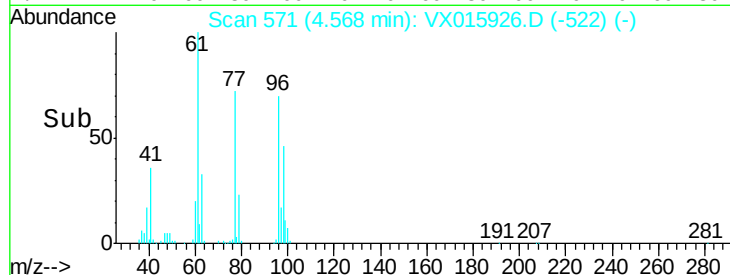
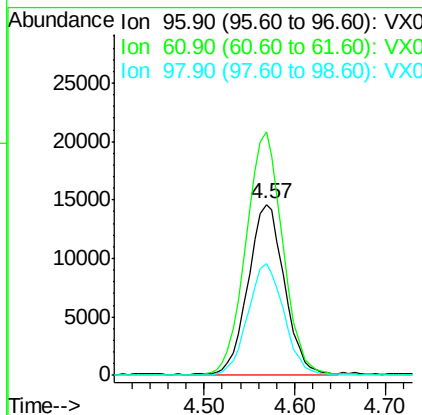
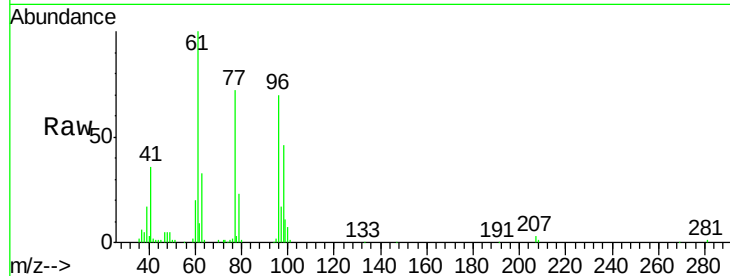
cis-1,2-Dichloroethene
Concen: 19.390 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.00 min
Lab File: VX015926.D
Acq: 24 Apr 2020 11:50

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.9	0.0	293.4
98	65.1	0.0	129.0

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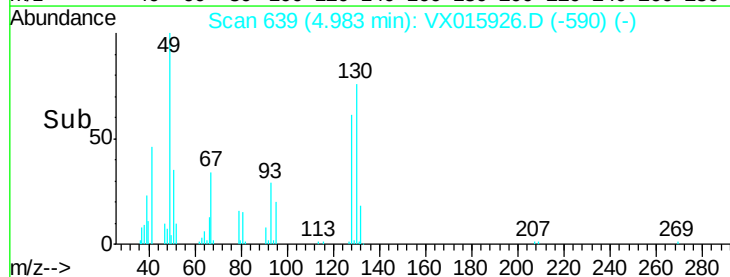
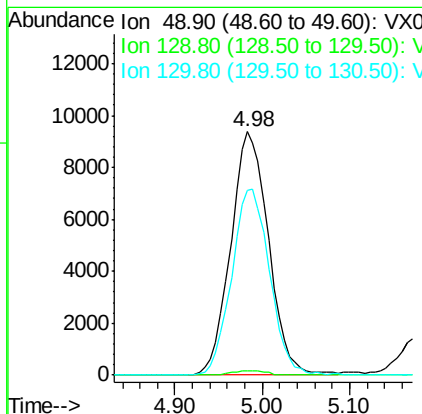
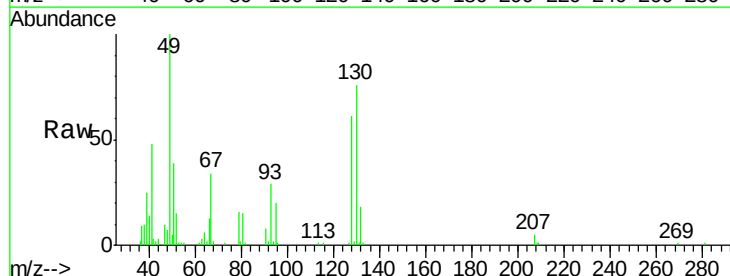
MMDadoda
4/27/2020 11:37:11 AM

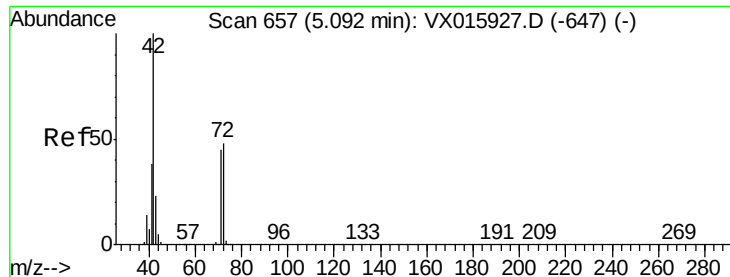


#28

Bromochloromethane
Concen: 19.428 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX015926.D
Acq: 24 Apr 2020 11:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	76.4	60.7	91.1





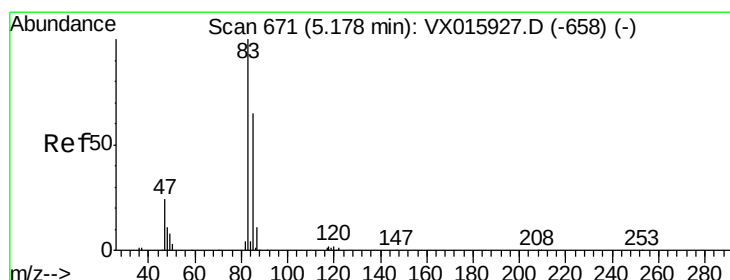
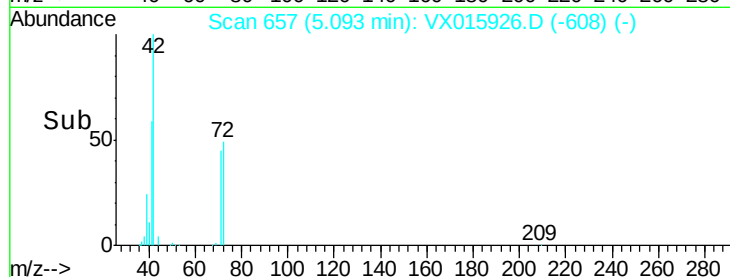
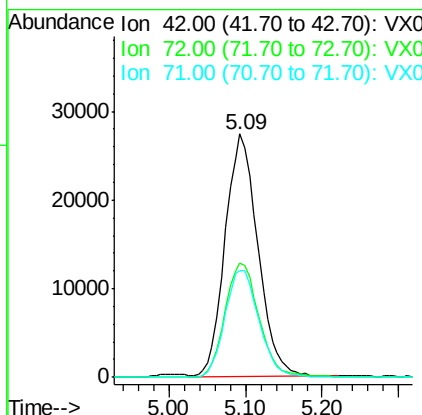
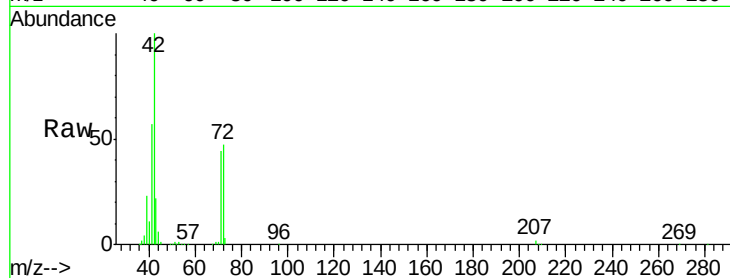
#29
Tetrahydrofuran
Concen: 99.897 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX015926.D
Acq: 24 Apr 2020 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:	42	Resp:	81483
Ion Ratio	Lower	Upper	
42	100		
72	49.4	39.5	59.3
71	45.9	36.4	54.6

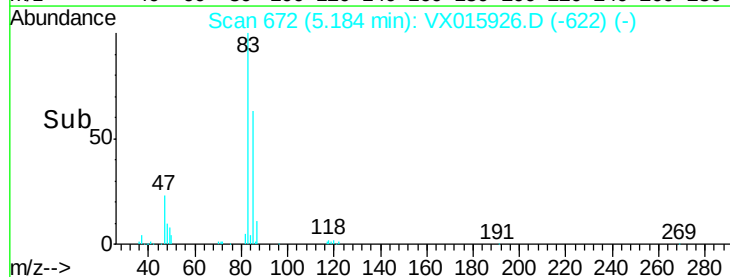
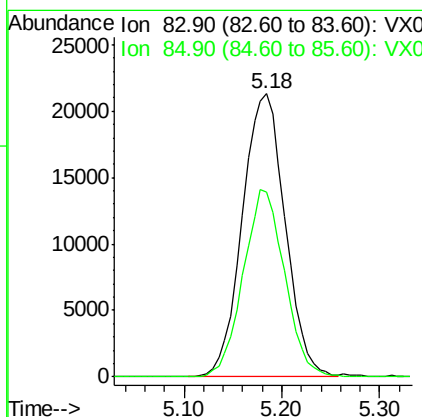
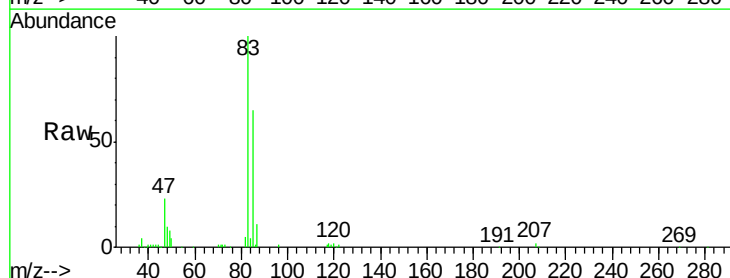
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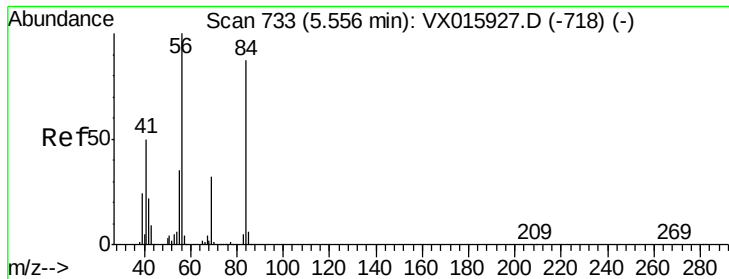
MMDadoda
4/27/2020 11:37:11 AM



#30
Chloroform
Concen: 20.101 ug/l
RT: 5.18 min Scan# 672
Delta R.T. 0.01 min
Lab File: VX015926.D
Acq: 24 Apr 2020 11:50

Tgt Ion:	83	Resp:	64705
Ion Ratio	Lower	Upper	
83	100		
85	65.1	51.7	77.5





#31

Cvclohexane

Concen: 19.847 ug/l

RT: 5.55 min Scan# 732

Delta R.T. -0.01 min

Lab File: VX015926.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_X

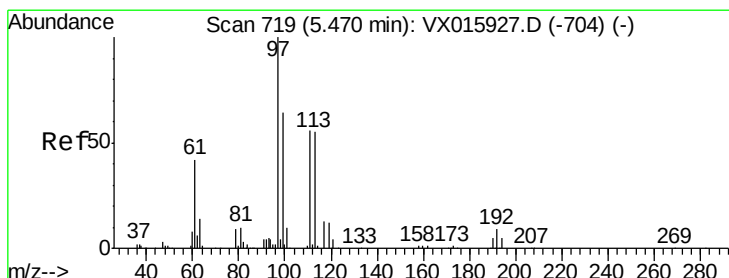
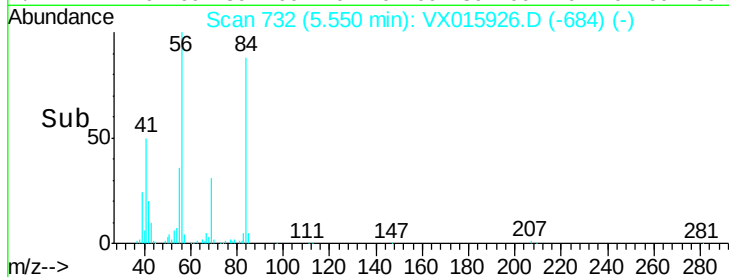
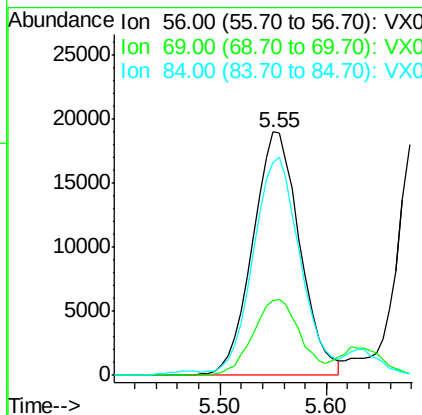
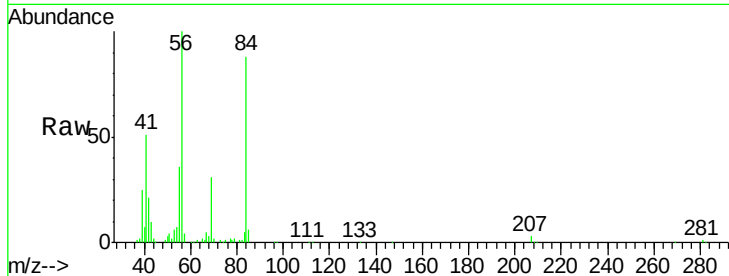
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	58763
Ion Ratio	Lower	Upper	
56	100		
69	30.9	25.4	38.0
84	85.8	69.5	104.3

Manual Integrations
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4/27/2020 11:37:11 AM



#32

1,1,1-Trichloroethane

Concen: 19.749 ug/l

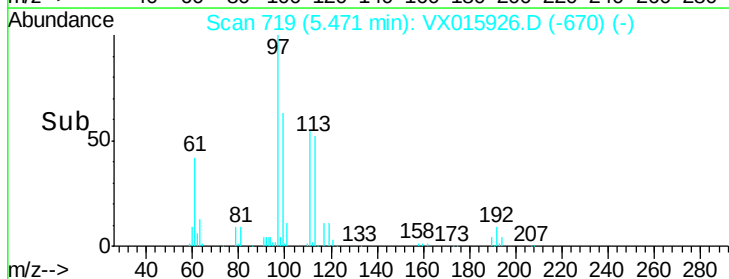
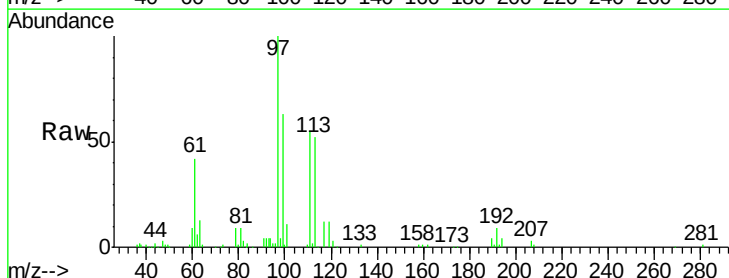
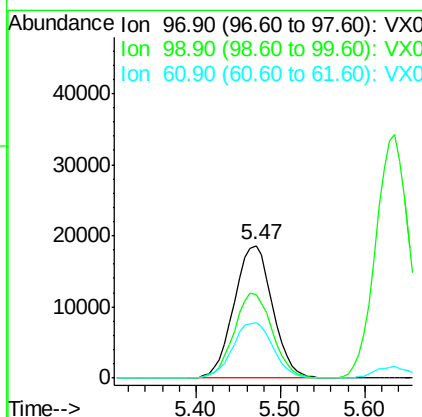
RT: 5.47 min Scan# 719

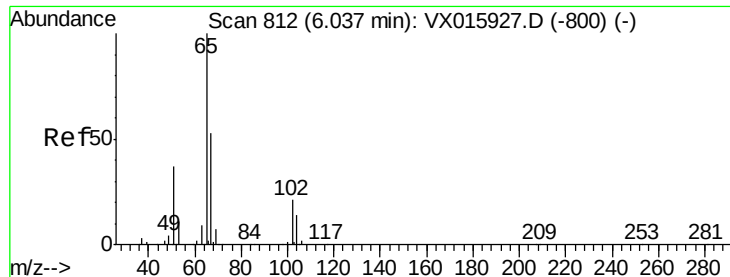
Delta R.T. 0.00 min

Lab File: VX015926.D

Acq: 24 Apr 2020 11:50

Tgt Ion:	97	Resp:	57657
Ion Ratio	Lower	Upper	
97	100		
99	63.5	51.1	76.7
61	43.6	35.0	52.4





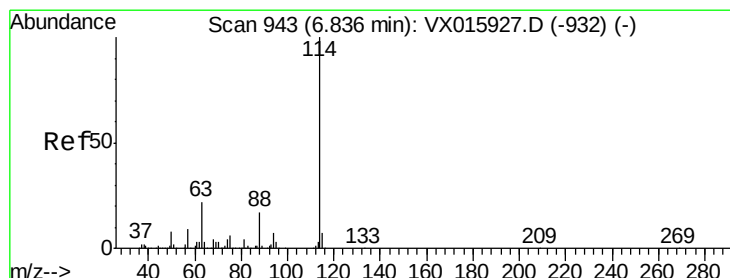
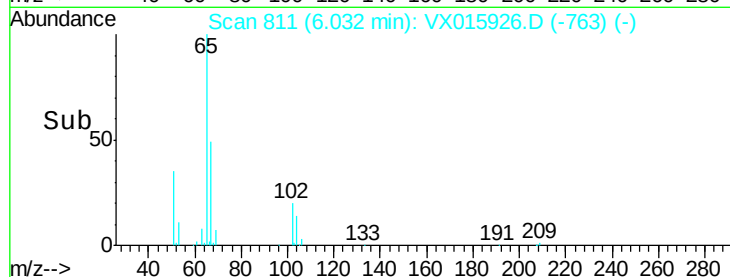
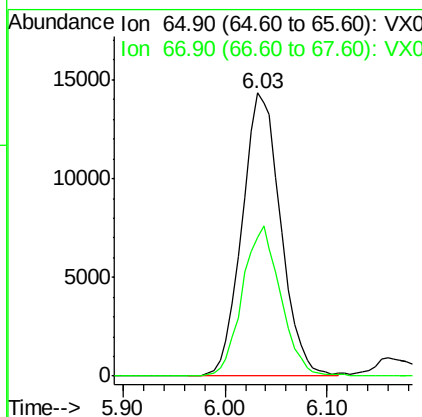
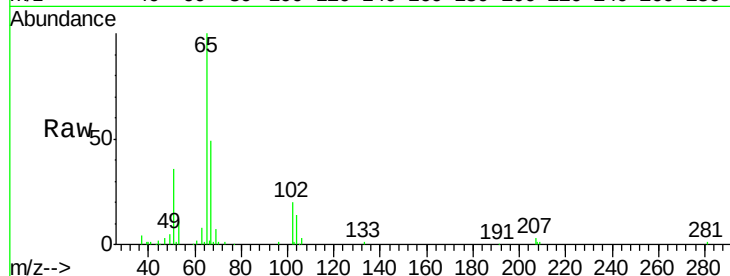
#33
 1,2-Dichloroethane-d4
 Concen: 18.321 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: VX015926.D
 Acq: 24 Apr 2020 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.6

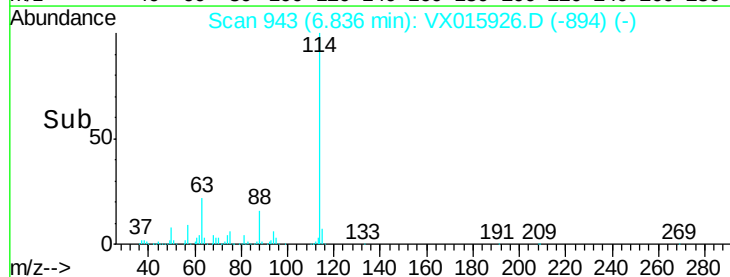
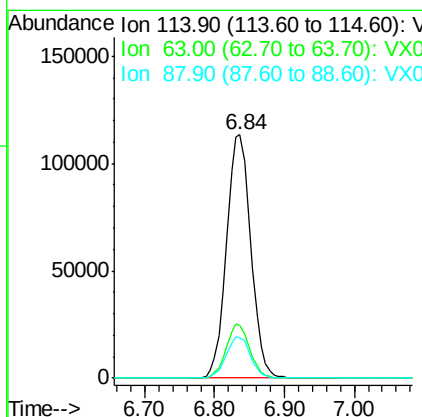
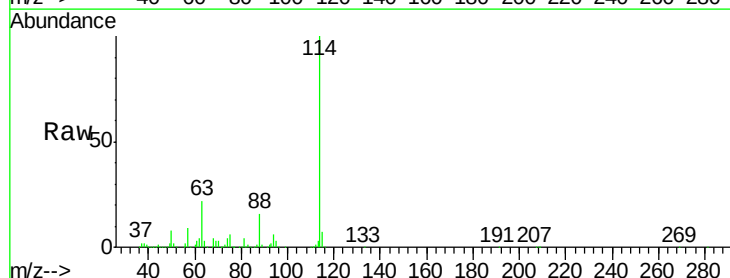
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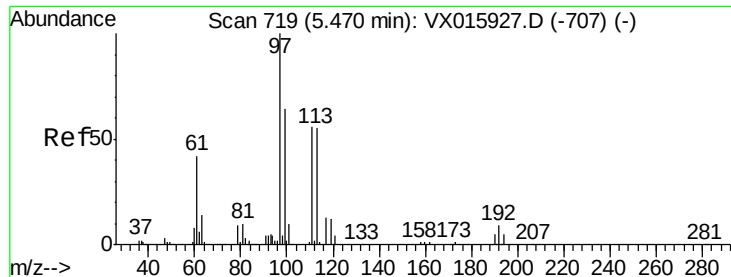
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.00 min
 Lab File: VX015926.D
 Acq: 24 Apr 2020 11:50

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	44.4
88	16.4	0.0	34.2





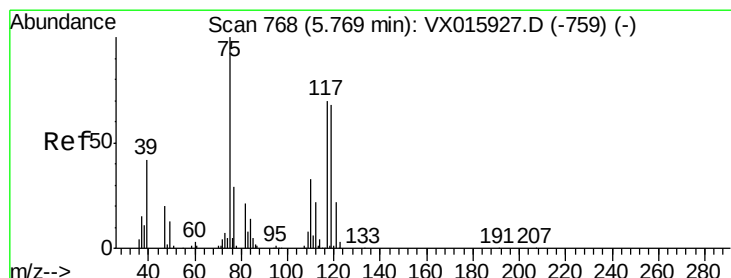
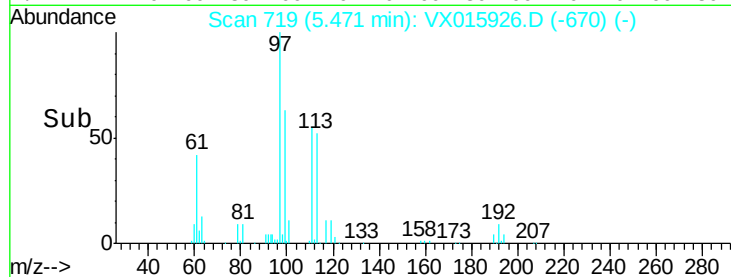
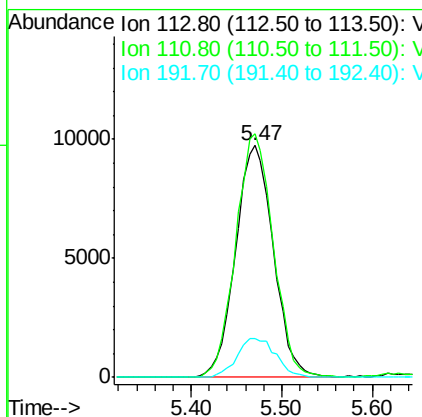
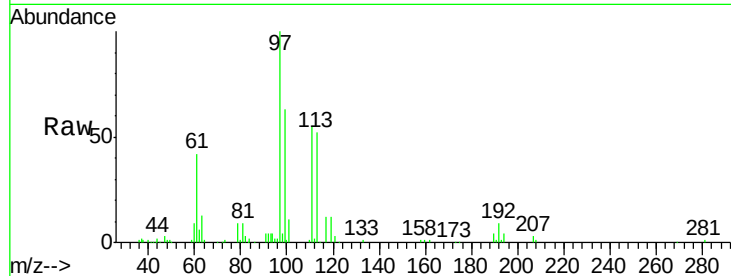
#35
 Dibromofluoromethane
 Concen: 18.411 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.00 min
 Lab File: VX015926.D
 Acq: 24 Apr 2020 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	81.2	121.8
192	17.0	13.6	20.4

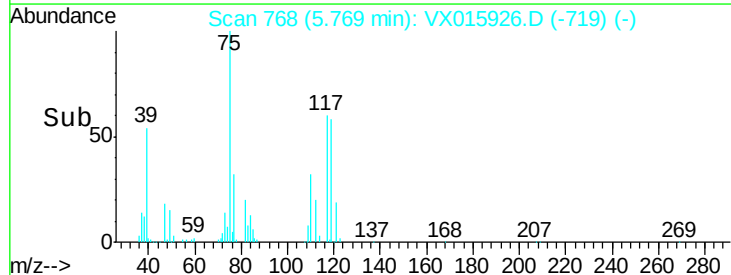
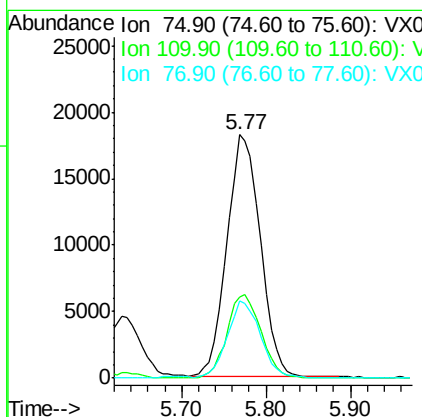
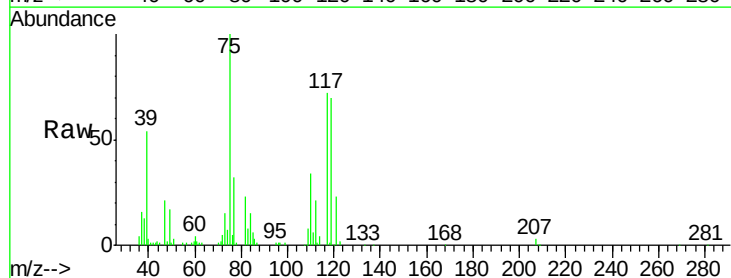
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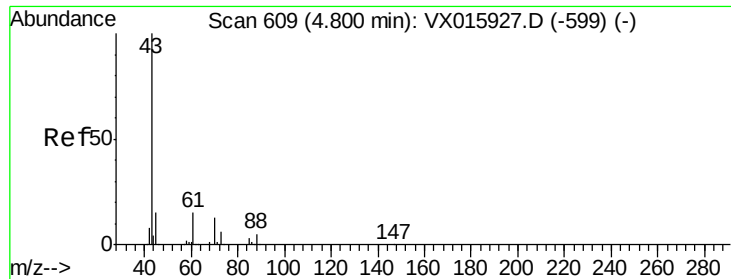
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 4/27/2020 11:37:11 AM



#36
 1,1-Dichloropropene
 Concen: 18.996 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VX015926.D
 Acq: 24 Apr 2020 11:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.1	51.3
77	31.6	25.0	37.4





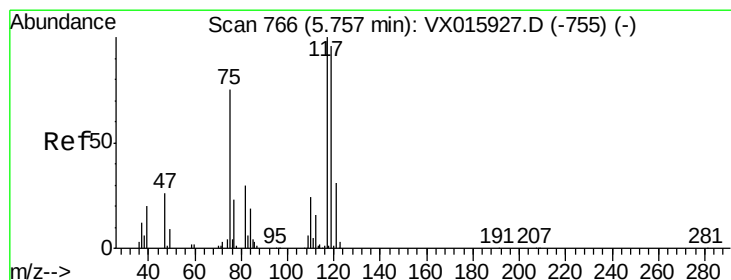
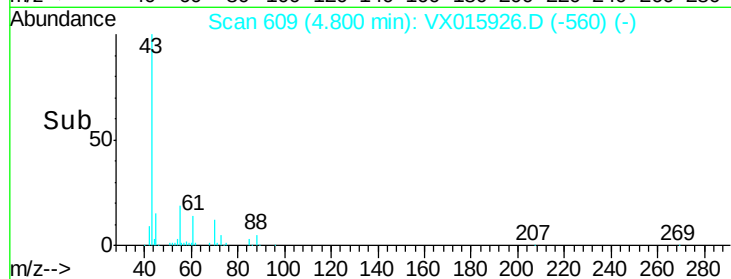
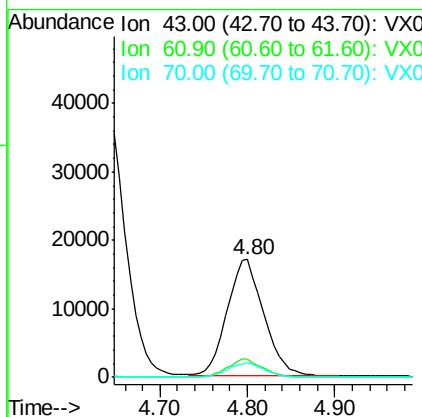
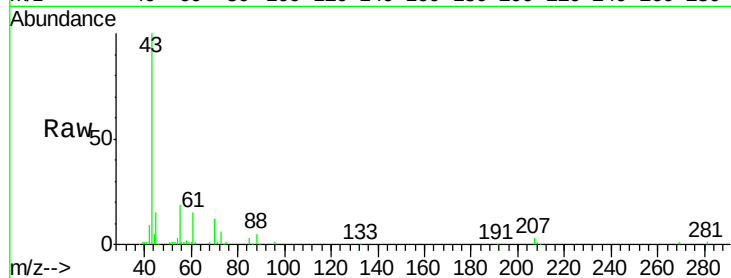
#37
Ethyl Acetate
Concen: 19.164 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.00 min
Lab File: VX015926.D
Acq: 24 Apr 2020 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.6	17.4
70	12.0	9.8	14.6

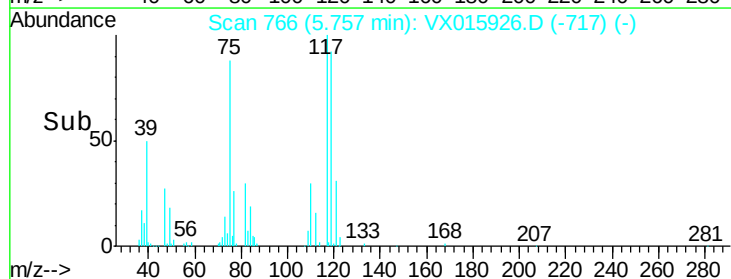
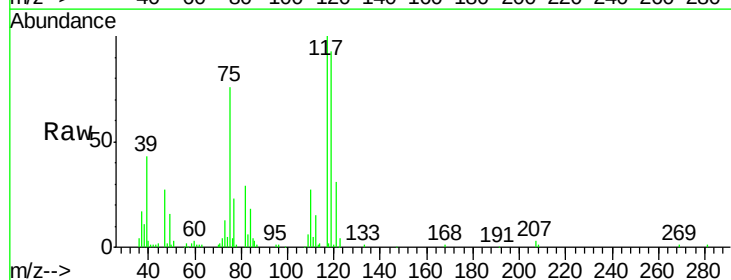
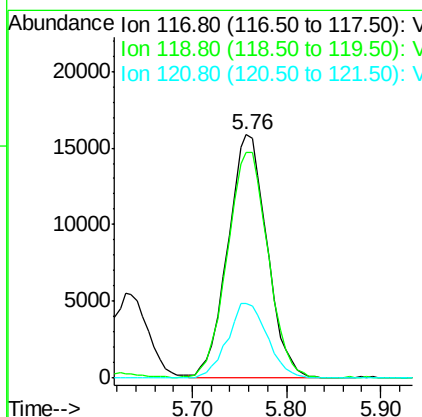
Manual Integrations
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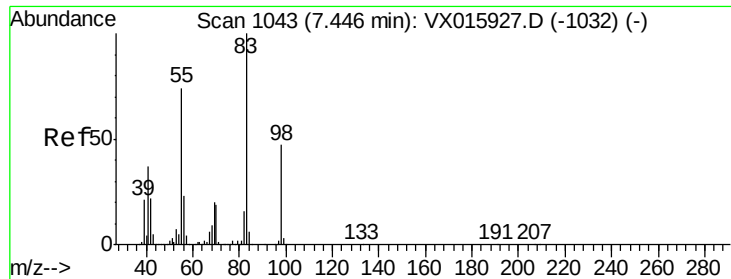
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.660 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX015926.D
Acq: 24 Apr 2020 11:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.4	77.0	115.6
121	30.8	25.0	37.4





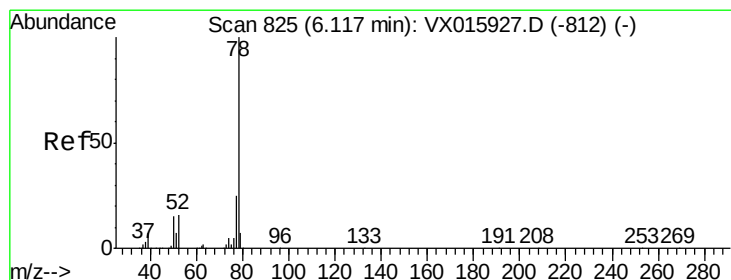
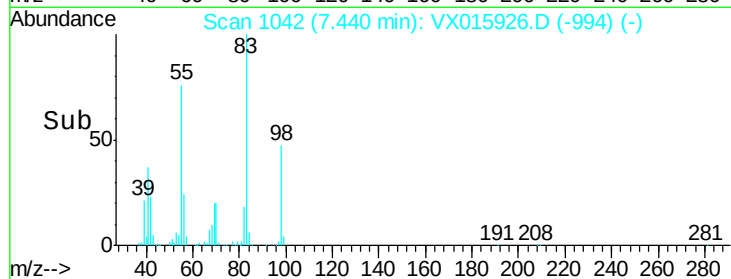
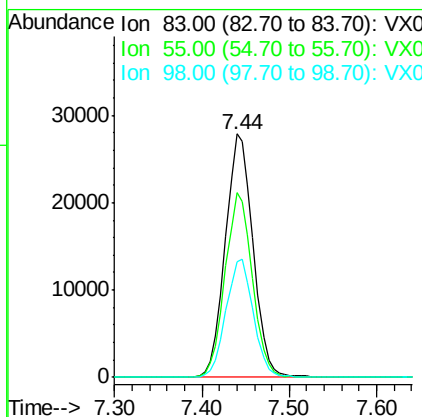
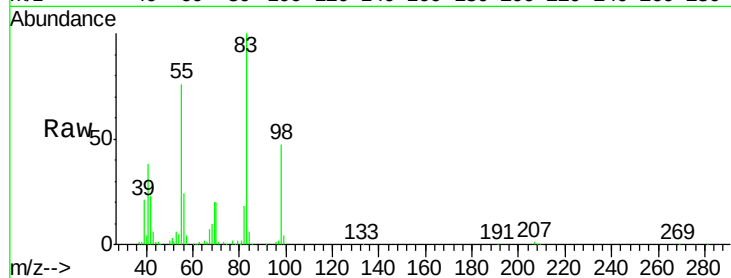
#39
Methylvlcyclohexane
Concen: 19.596 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VX015926.D
Acq: 24 Apr 2020 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.6	59.0	88.4
98	47.3	37.4	56.0

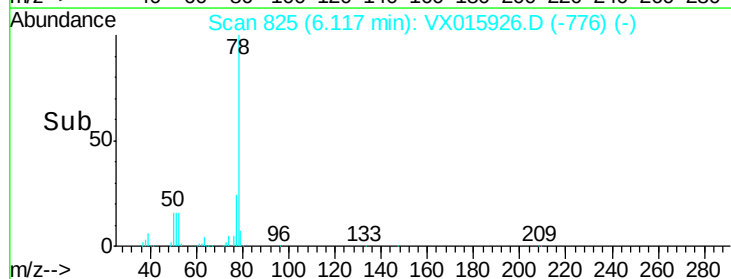
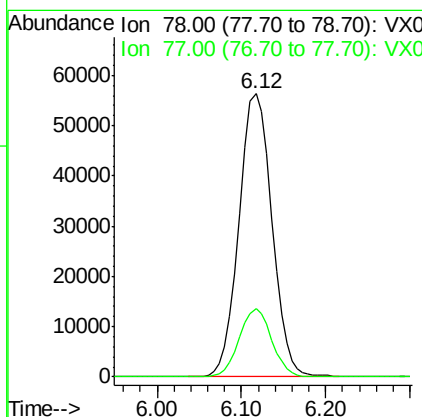
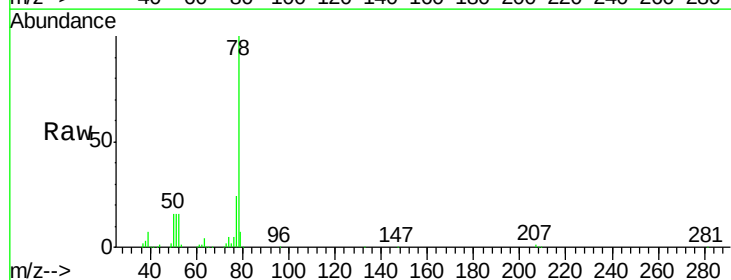
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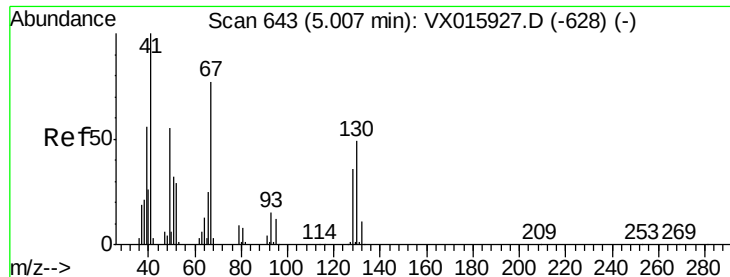
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#40
Benzene
Concen: 19.855 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX015926.D
Acq: 24 Apr 2020 11:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.8	29.8





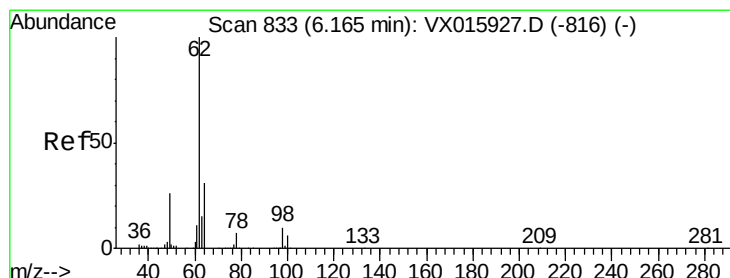
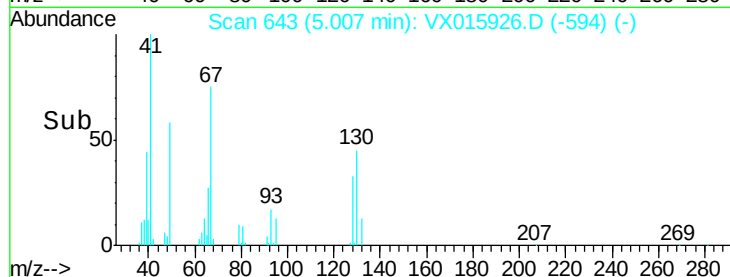
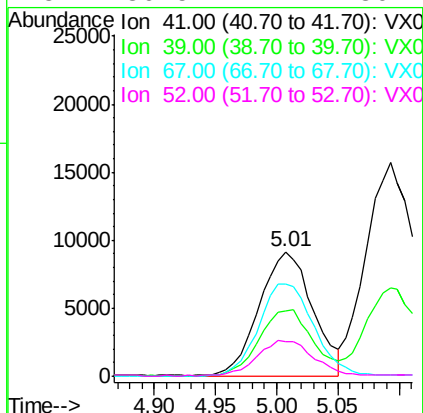
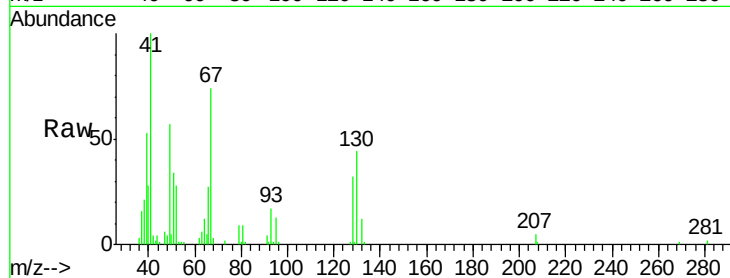
#41
Methacrylonitrile
Concen: 18.783 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.00 min
Lab File: VX015926.D
Acq: 24 Apr 2020 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:	41	Resp:	28003
Ion Ratio	Lower	Upper	
41	100		
39	53.8	42.8	64.2
67	77.2	62.0	93.0
52	30.5	24.2	36.4

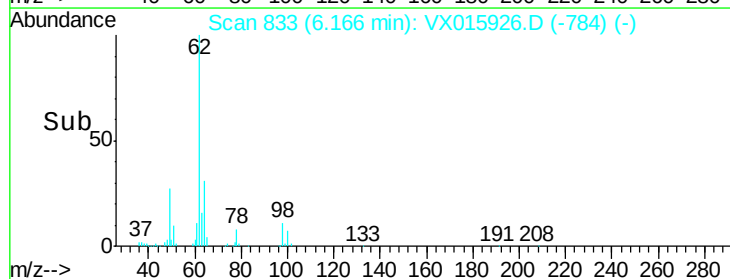
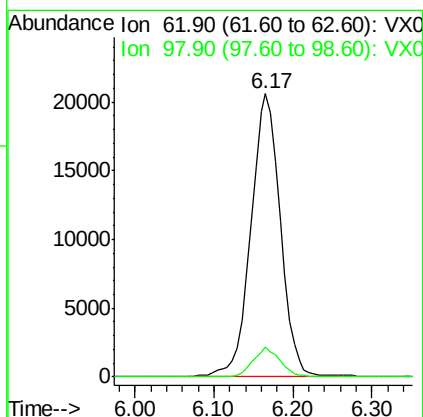
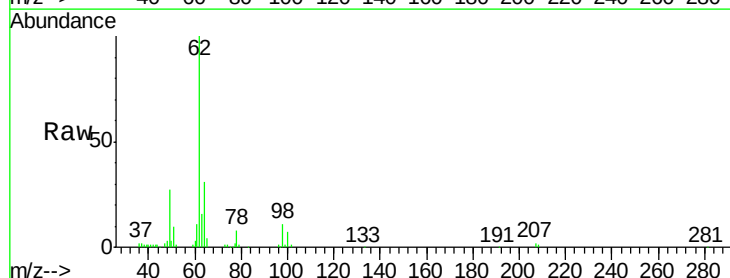
Manual Integrations
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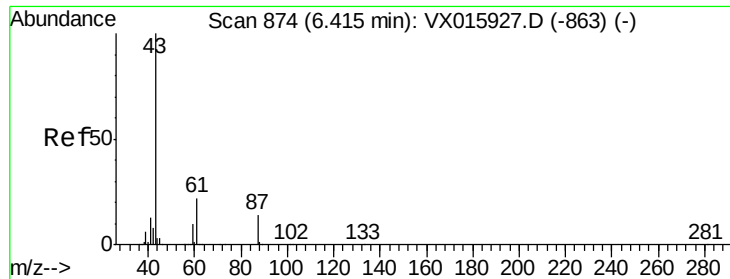
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.250 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX015926.D
Acq: 24 Apr 2020 11:50

Tgt Ion:	62	Resp:	53462
Ion Ratio	Lower	Upper	
62	100		
98	9.6	0.0	20.0





#43

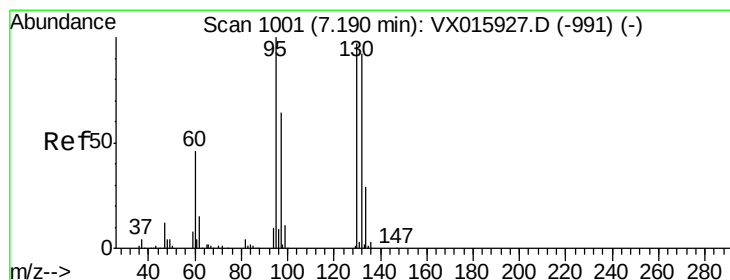
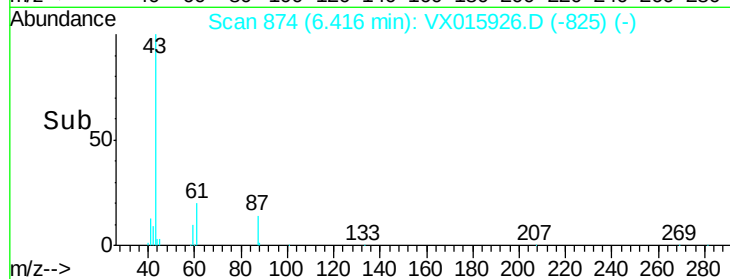
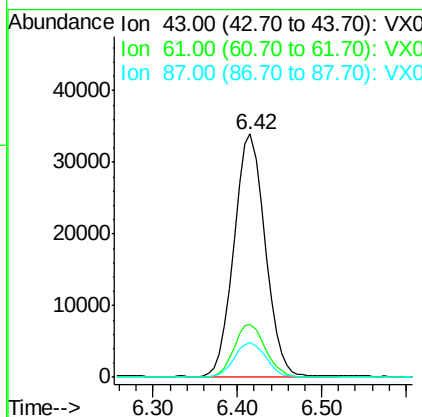
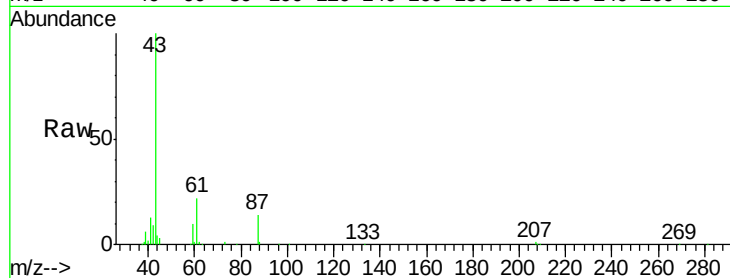
Isopropyl Acetate
 Concen: 20.214 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VX015926.D
 Acq: 24 Apr 2020 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.0	17.6	26.4
87	14.5	11.6	17.4

Manual Integrations
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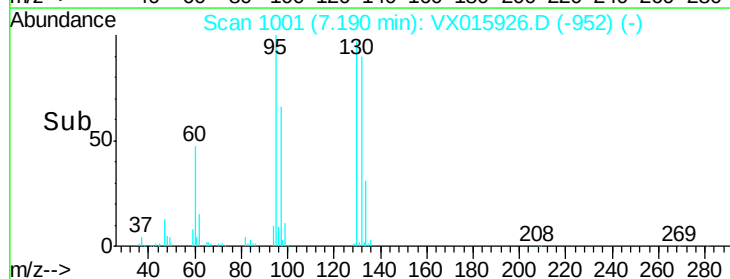
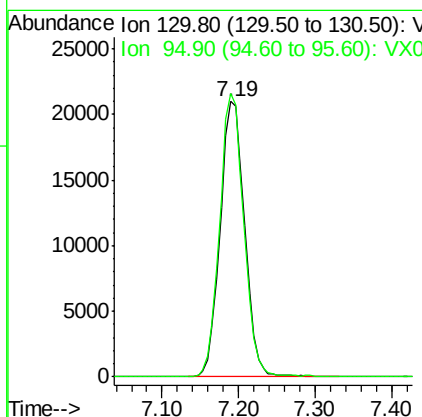
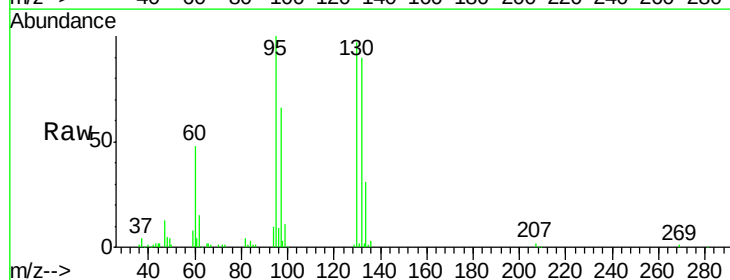
MMDadoda
 4/27/2020 11:37:11 AM

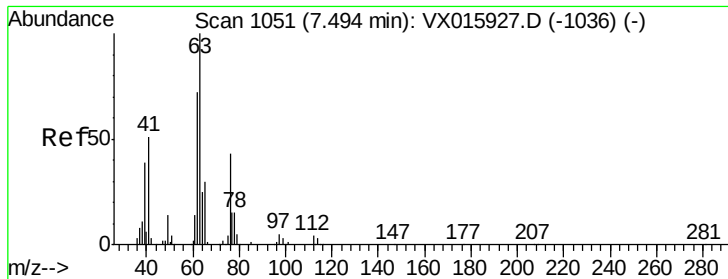


#44

Trichloroethene
 Concen: 19.854 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX015926.D
 Acq: 24 Apr 2020 11:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	205.2





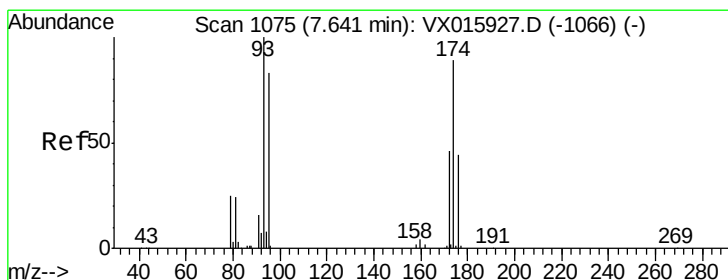
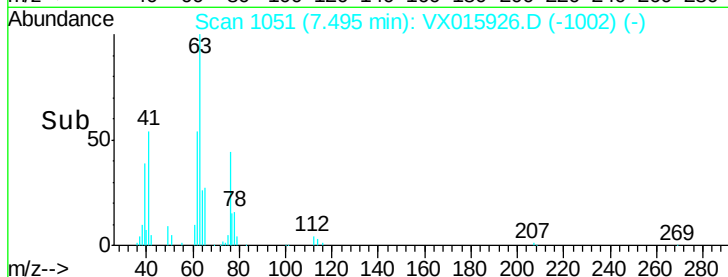
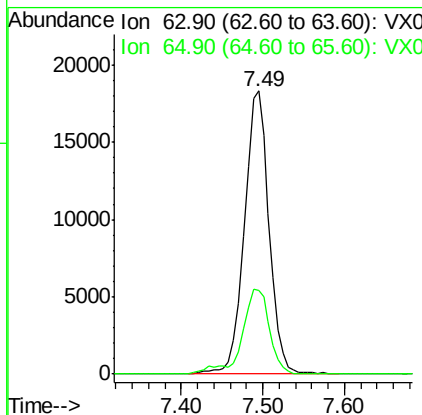
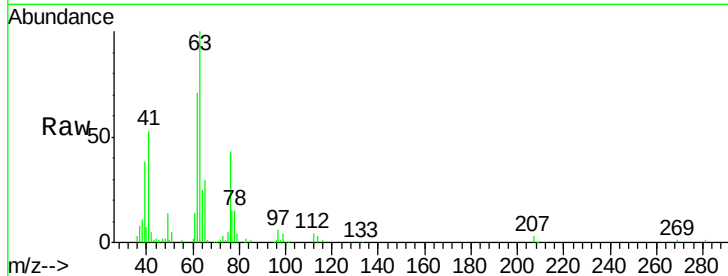
#45
 1,2-Dichloropropane
 Concen: 19.969 ug/l
 RT: 7.49 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VX015926.D
 Acq: 24 Apr 2020 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.8	24.3	36.5

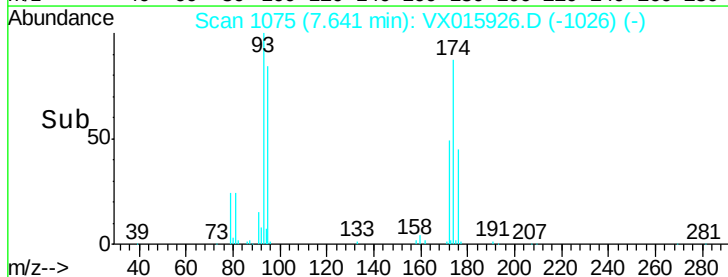
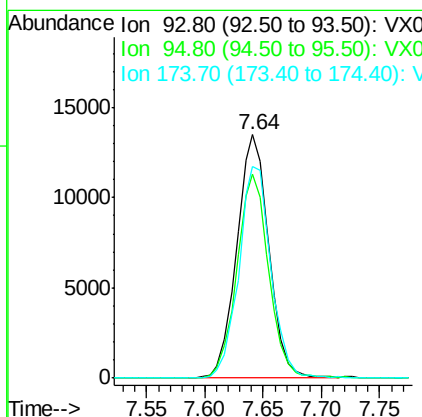
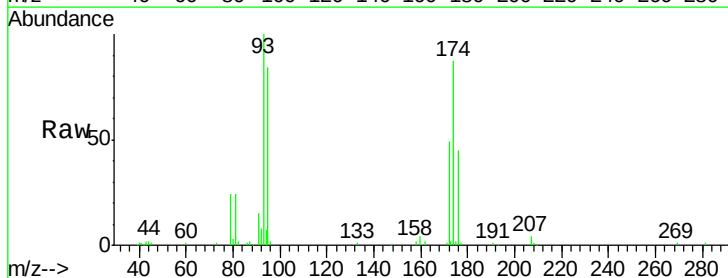
Manual Integrations
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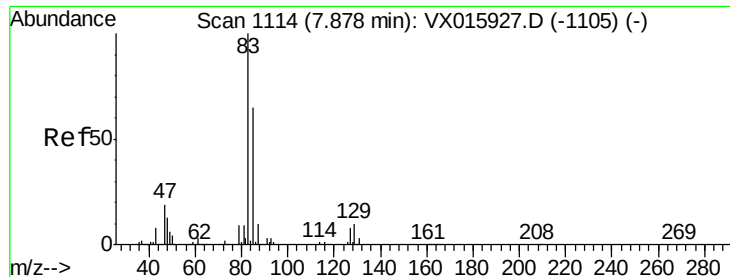
MMDadoda
 4/27/2020 11:37:11 AM



#46
 Dibromomethane
 Concen: 20.066 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VX015926.D
 Acq: 24 Apr 2020 11:50

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.7	98.5
174	87.1	70.6	105.8





#47

Bromodichloromethane

Concen: 19.884 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX015926.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_X

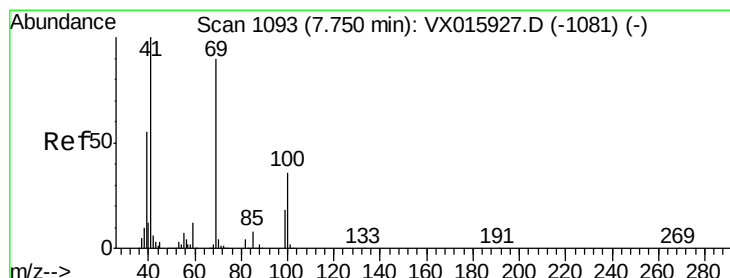
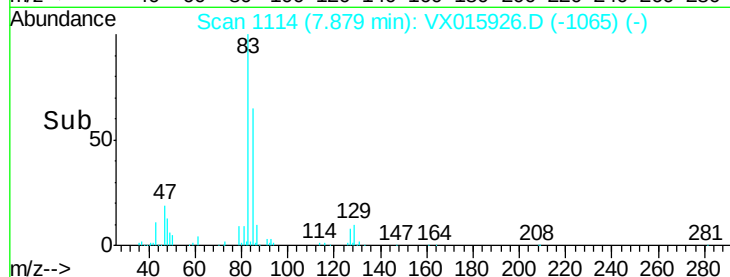
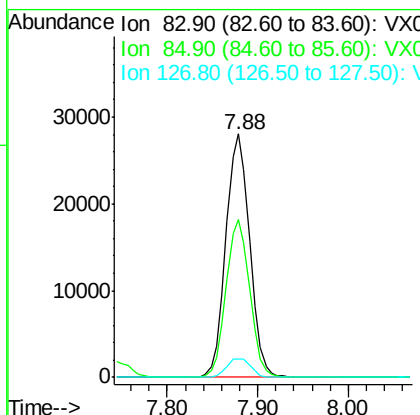
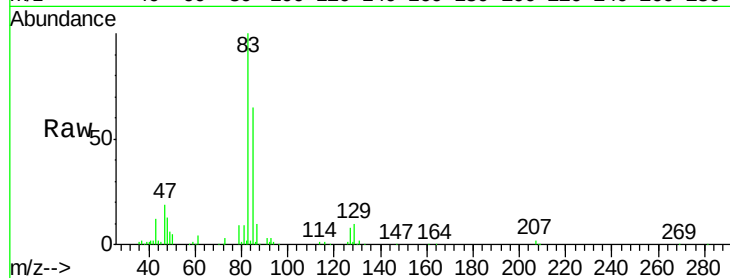
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	51352
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.6	77.4
127	7.6	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.473 ug/l

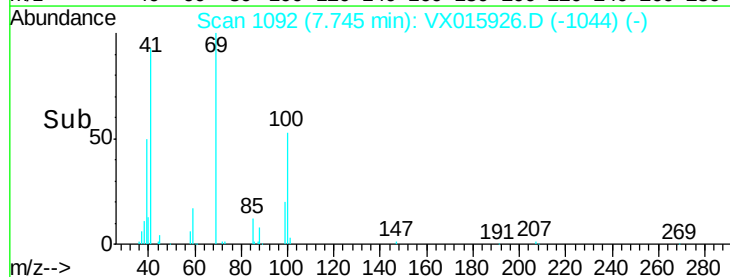
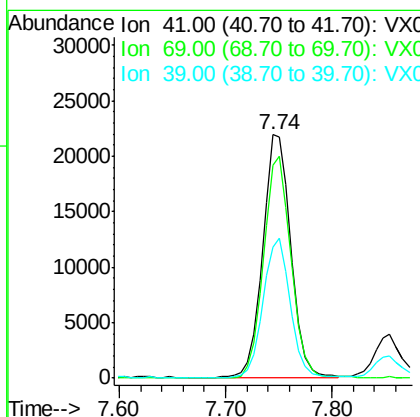
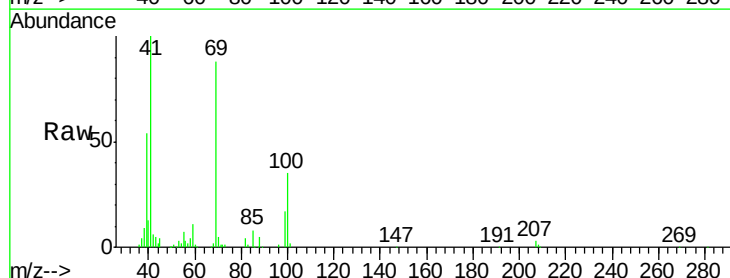
RT: 7.74 min Scan# 1092

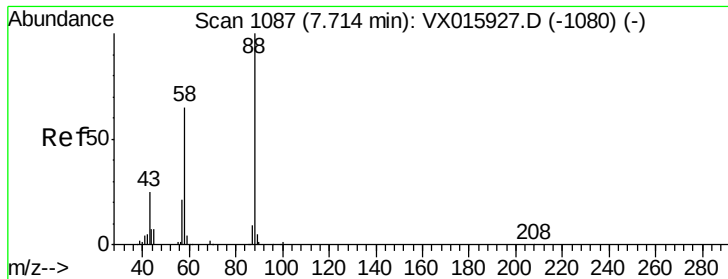
Delta R.T. -0.01 min

Lab File: VX015926.D

Acq: 24 Apr 2020 11:50

Tgt Ion:	41	Resp:	40277
Ion	Ratio	Lower	Upper
41	100		
69	90.1	72.0	108.0
39	56.3	44.1	66.1





#49

1,4-Dioxane

Concen: 395.739 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX015926.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_X

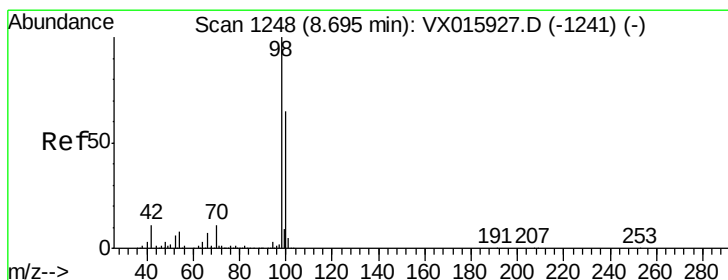
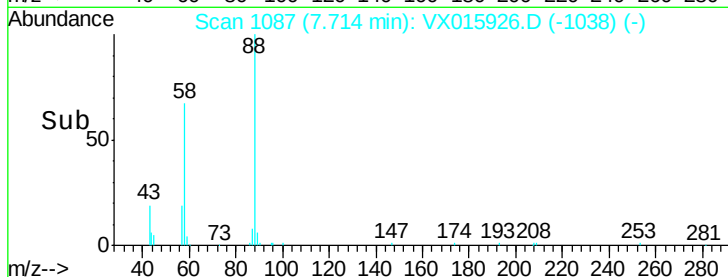
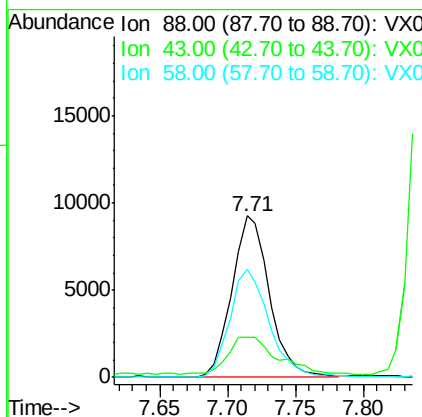
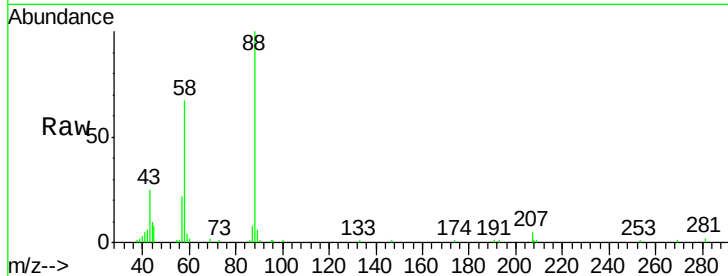
ClientSampleId :

VSTDIC020

Tot Ion:	88	Resp:	17790
Ion	Ratio	Lower	Upper
88	100		
43	30.4	23.8	35.8
58	70.0	55.7	83.5

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#50

Toluene-d8

Concen: 18.841 ug/l

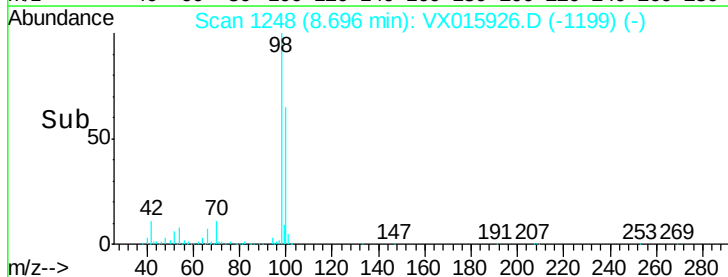
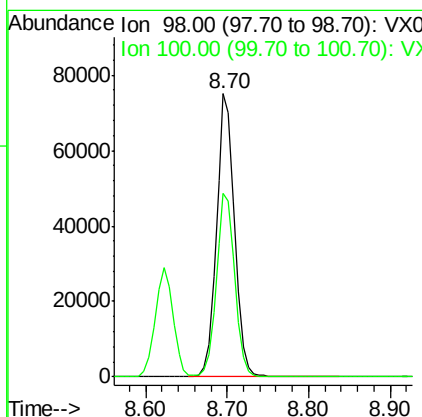
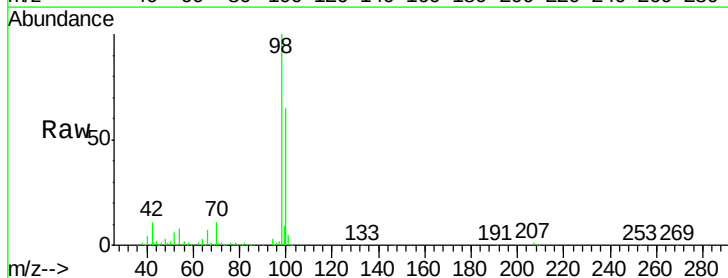
RT: 8.70 min Scan# 1248

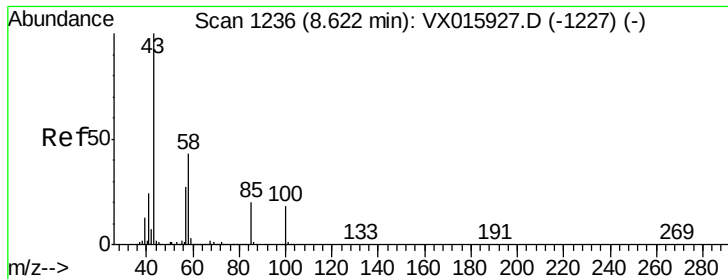
Delta R.T. 0.00 min

Lab File: VX015926.D

Acq: 24 Apr 2020 11:50

Tgt Ion:	98	Resp:	116286
Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.0	79.4





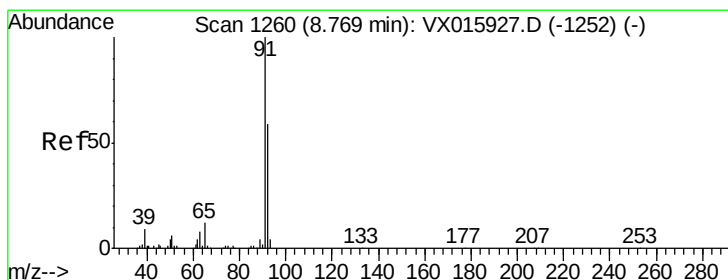
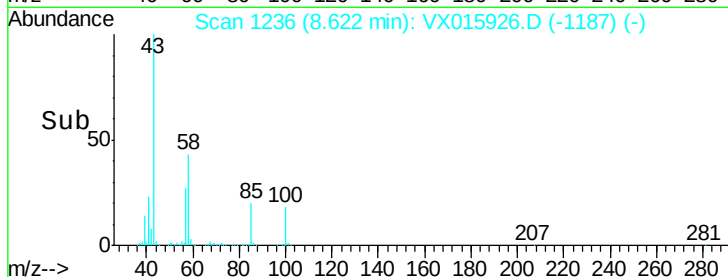
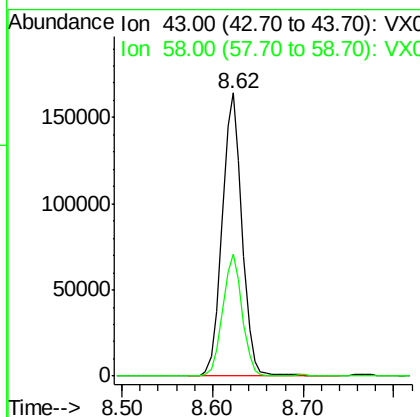
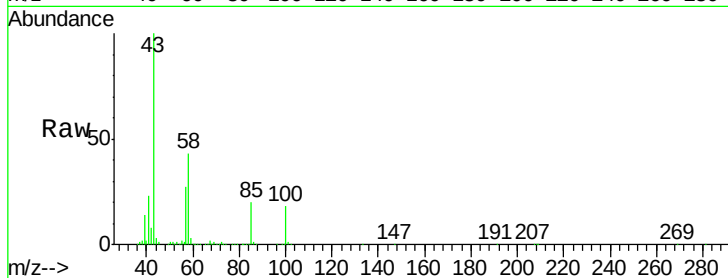
#51
 4-Methyl-2-Pentanone
 Concen: 103.551 ug/l
 RT: 8.62 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VX015926.D
 Acq: 24 Apr 2020 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.4	34.2	51.4

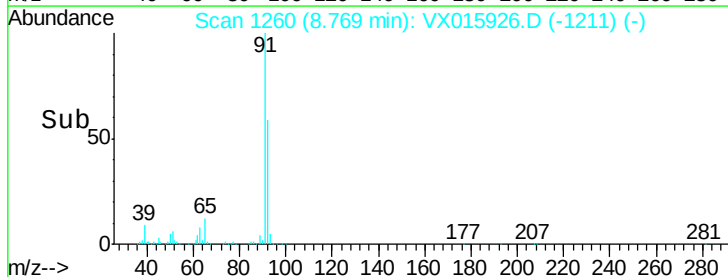
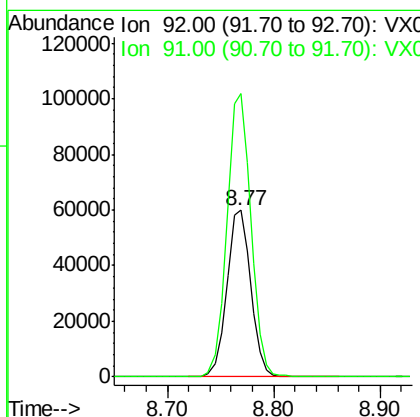
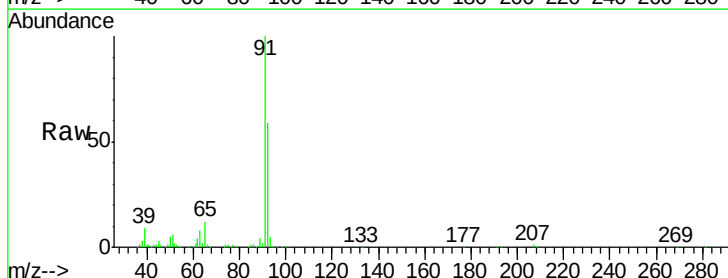
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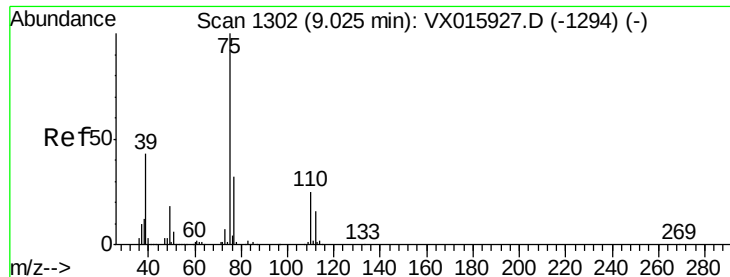
MMDadoda
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#52
 Toluene
 Concen: 19.792 ug/l
 RT: 8.77 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VX015926.D
 Acq: 24 Apr 2020 11:50

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.0	134.0	201.0





#53

t-1,3-Dichloropropene

Concen: 19.992 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX015926.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 62435

Ion Ratio Lower Upper

75 100

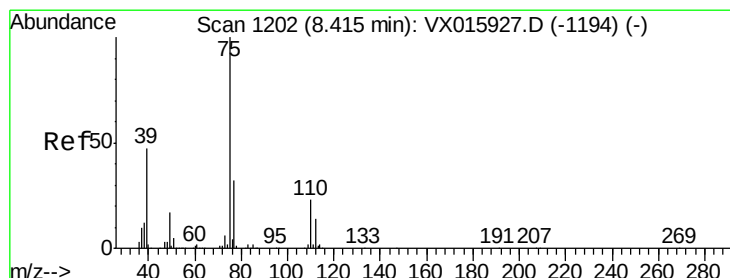
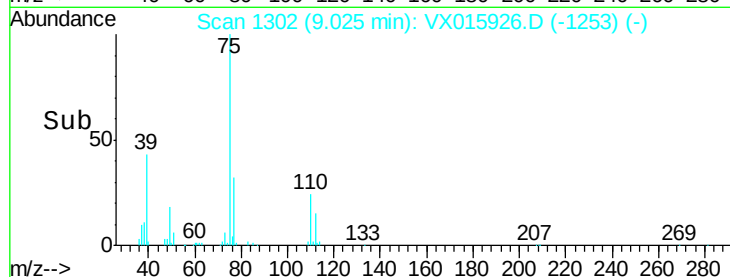
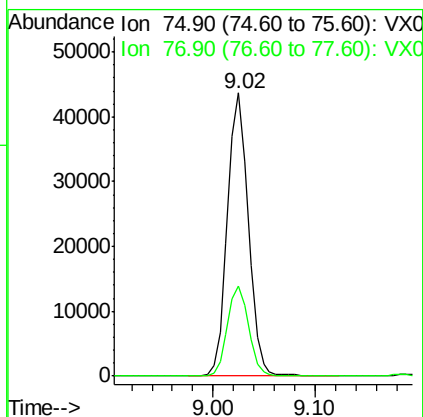
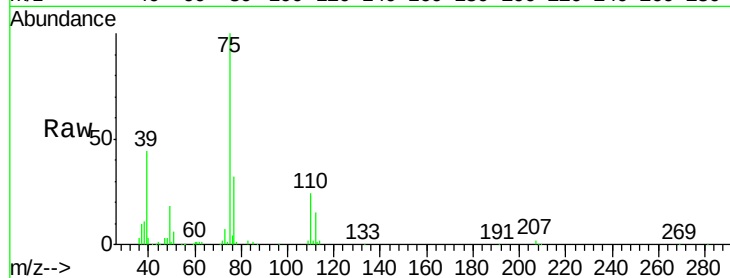
77 31.8 25.9 38.9

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#54

cis-1,3-Dichloropropene

Concen: 19.988 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX015926.D

Acq: 24 Apr 2020 11:50

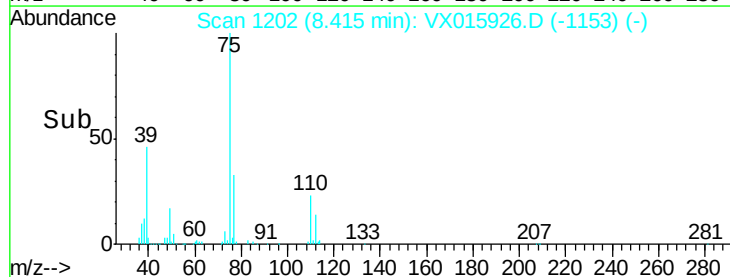
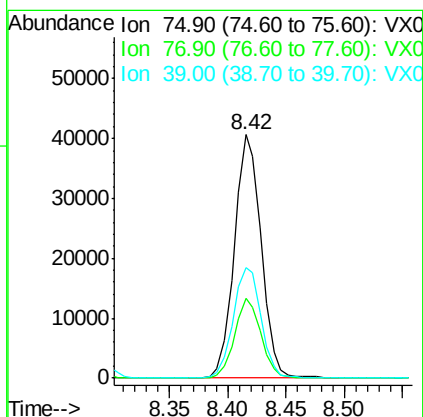
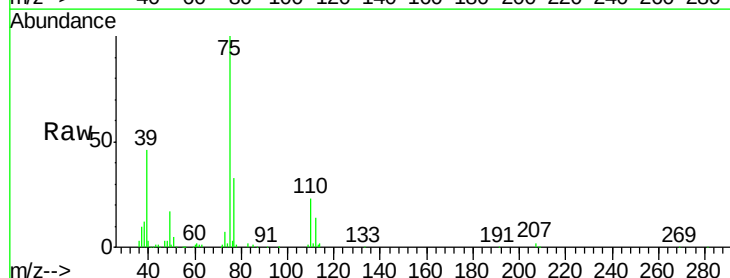
Tgt Ion: 75 Resp: 65253

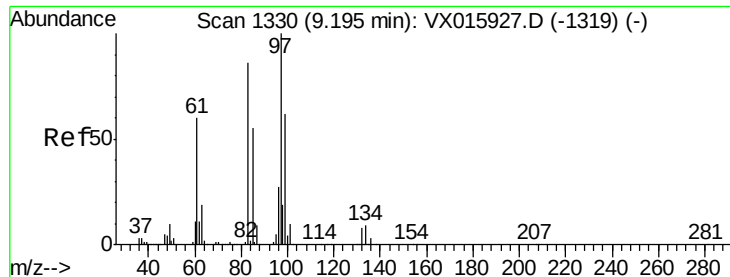
Ion Ratio Lower Upper

75 100

77 32.7 25.8 38.8

39 45.4 37.2 55.8





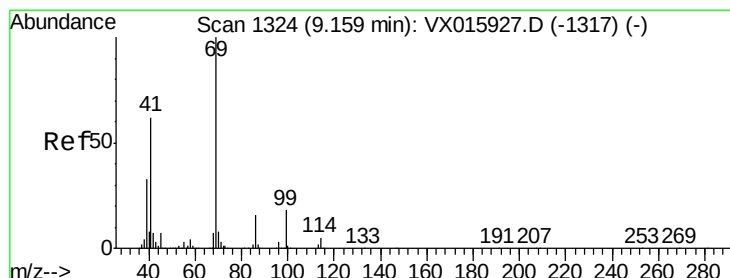
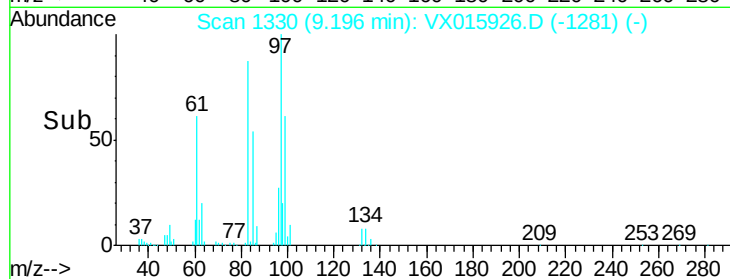
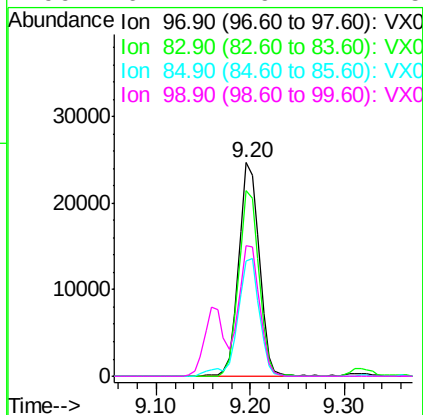
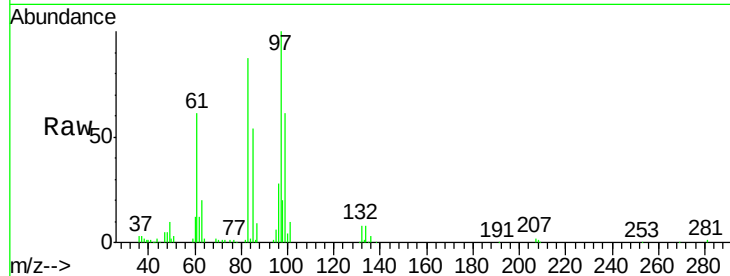
#55
 1,1,2-Trichloroethane
 Concen: 19.693 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX015926.D
 Acq: 24 Apr 2020 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	37635
Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.6	103.0
85	54.0	44.0	66.0
99	61.4	49.7	74.5

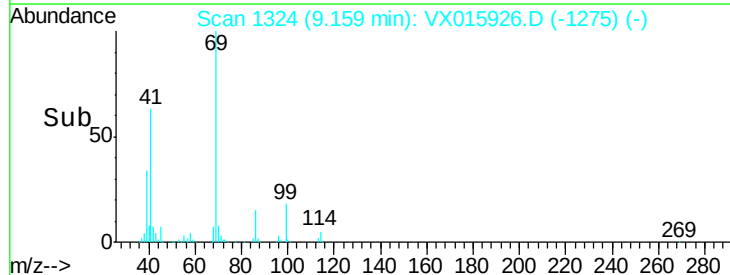
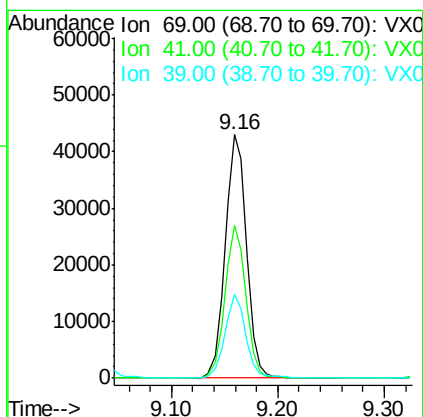
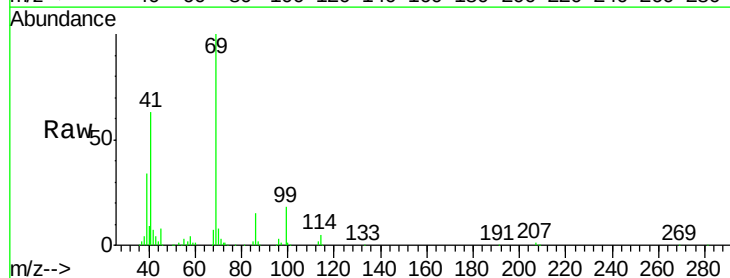
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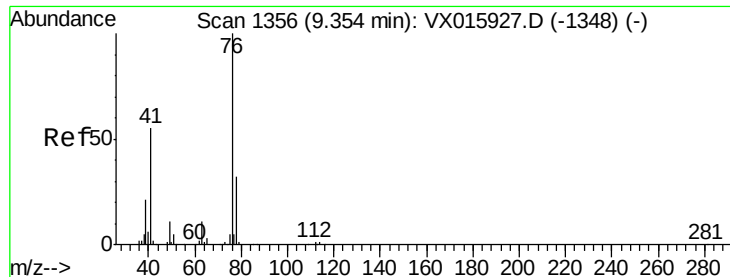
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#56
 Ethyl methacrylate
 Concen: 20.264 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX015926.D
 Acq: 24 Apr 2020 11:50

Tgt Ion:	69	Resp:	60360
Ion	Ratio	Lower	Upper
69	100		
41	62.1	49.2	73.8
39	34.2	26.0	39.0





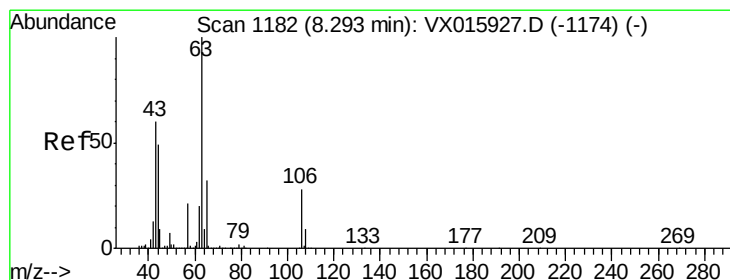
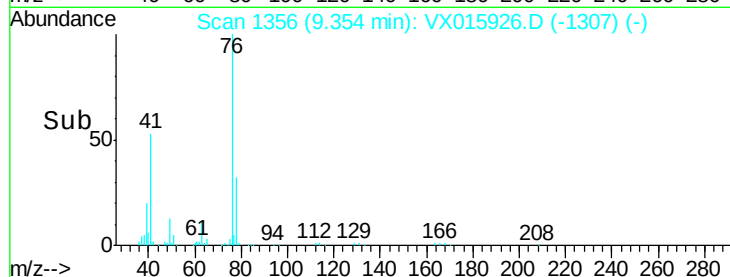
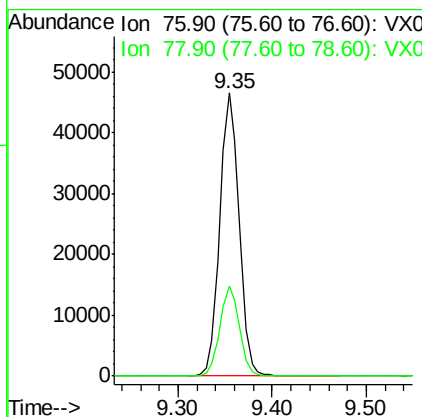
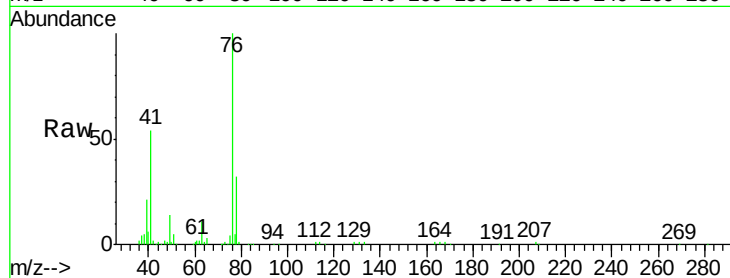
#57
 1,3-Dichloropropane
 Concen: 20.396 ug/l
 RT: 9.35 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VX015926.D
 Acq: 24 Apr 2020 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.6	38.4

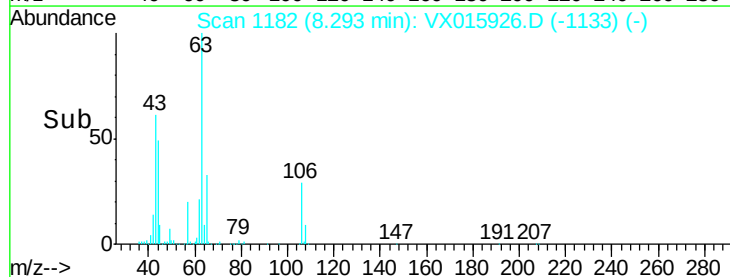
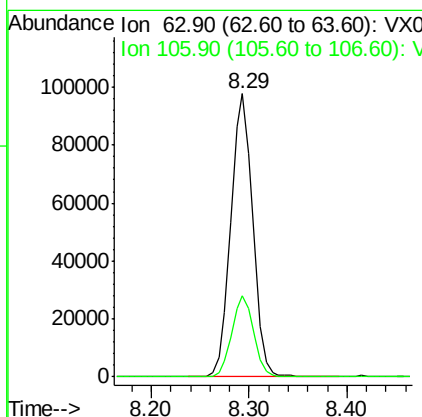
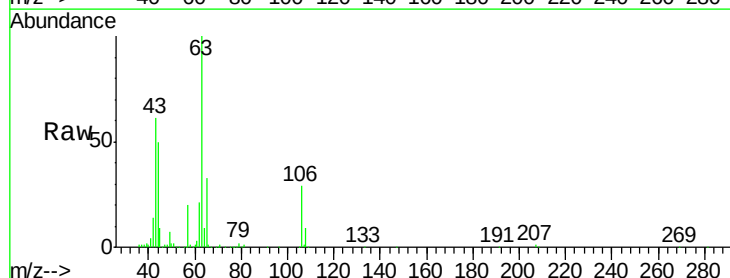
Manual Integrations
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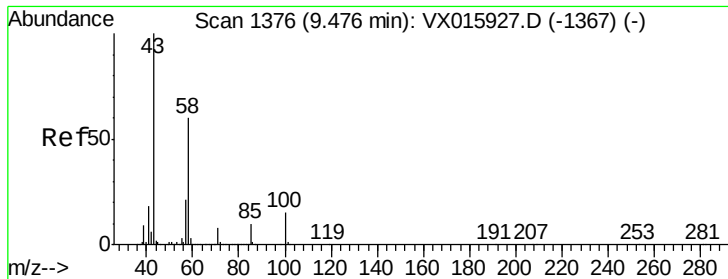
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 103.046 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VX015926.D
 Acq: 24 Apr 2020 11:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.5	23.0	34.6





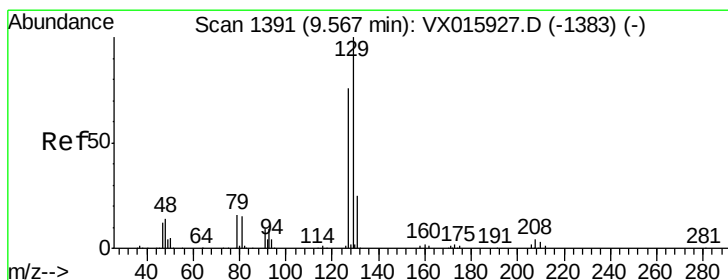
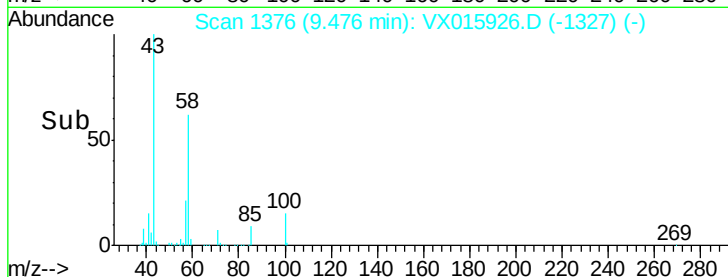
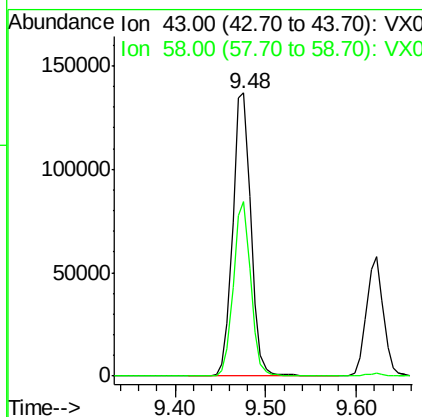
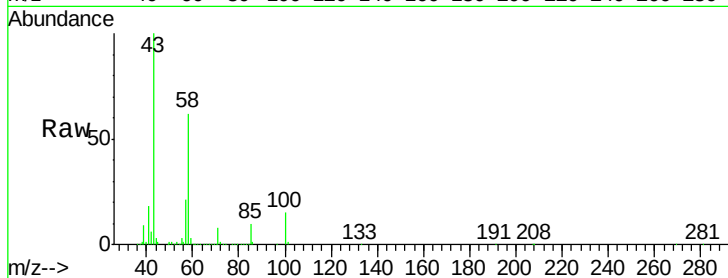
#59
2-Hexanone
Concen: 103.987 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX015926.D
Acq: 24 Apr 2020 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 189530
Ion Ratio Lower Upper
43 100
58 59.2 29.7 89.1

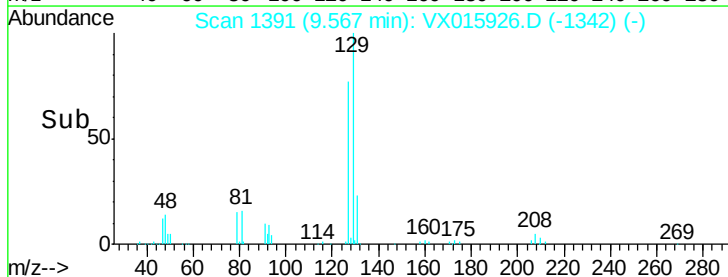
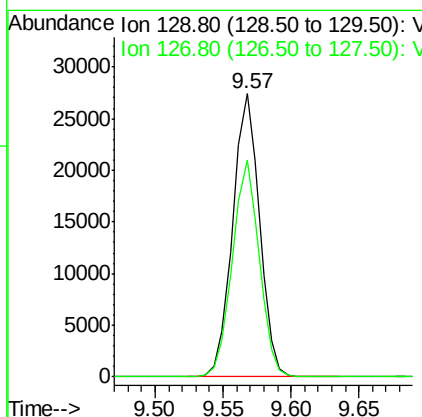
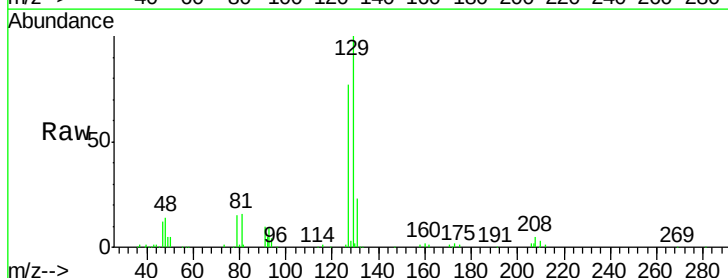
Manual Integrations
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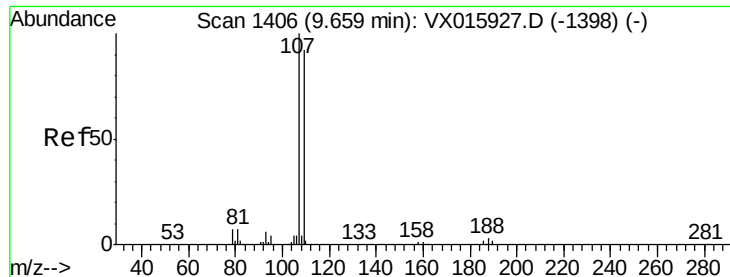
MMDadoda
4/27/2020 11:37:11 AM



#60
Dibromochloromethane
Concen: 20.616 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX015926.D
Acq: 24 Apr 2020 11:50

Tgt Ion: 129 Resp: 37682
Ion Ratio Lower Upper
129 100
127 76.8 38.8 116.3





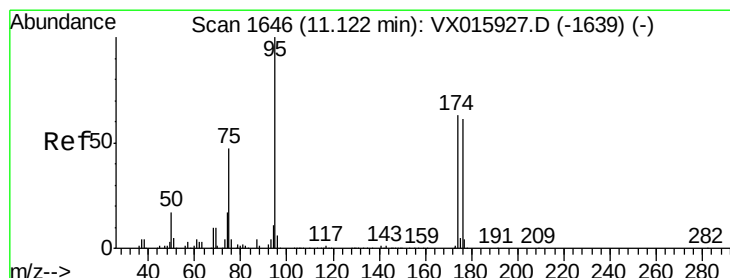
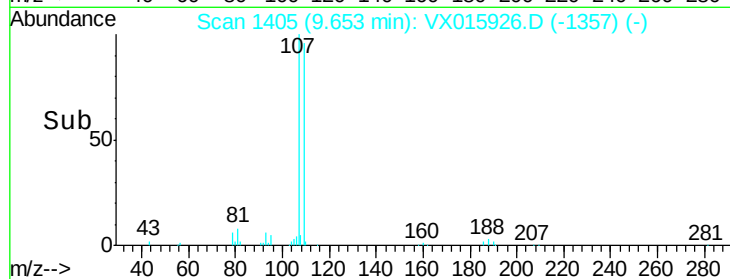
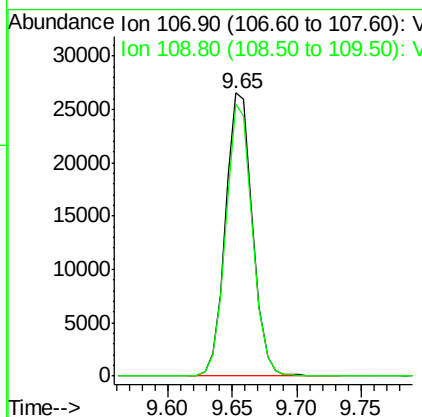
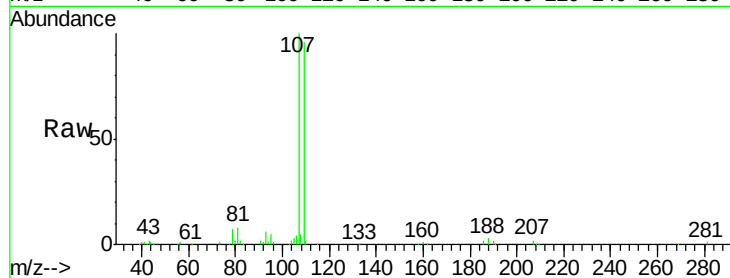
#61
 1,2-Dibromoethane
 Concen: 19.914 ug/l
 RT: 9.65 min Scan# 1405
 Delta R.T. -0.01 min
 Lab File: VX015926.D
 Acq: 24 Apr 2020 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.1	112.7

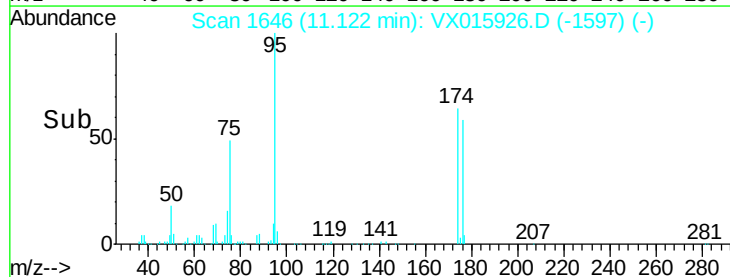
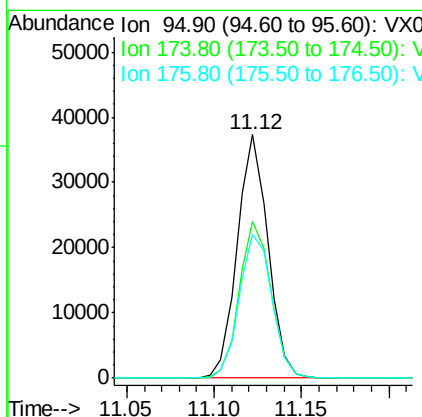
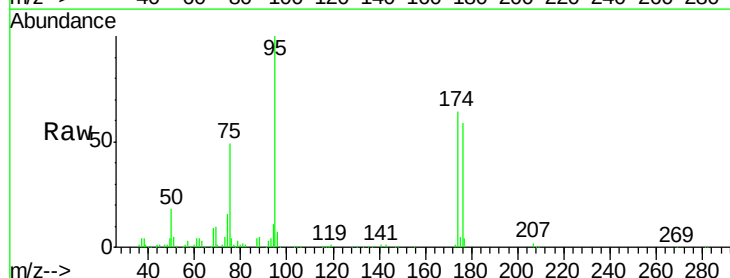
Manual Integrations
 APPROVED

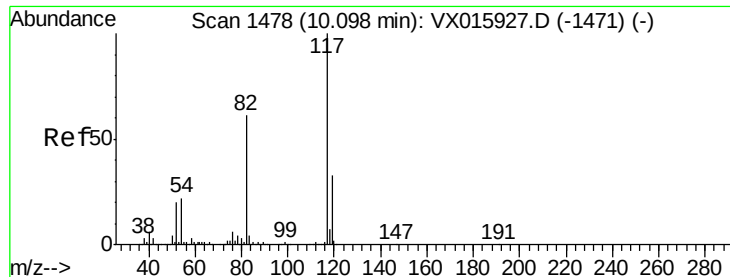
MMDadoda
 4/27/2020 11:37:11 AM



#62
 4-Bromofluorobenzene
 Concen: 17.356 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VX015926.D
 Acq: 24 Apr 2020 11:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.4	0.0	133.6
176	63.0	0.0	126.0





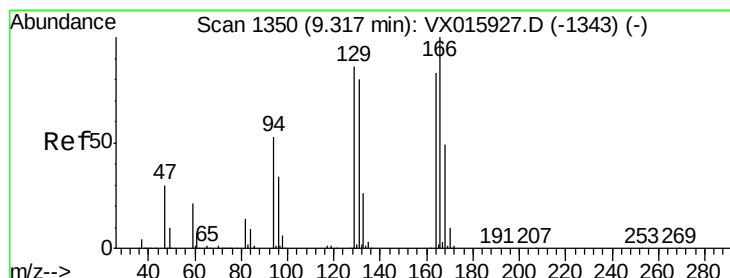
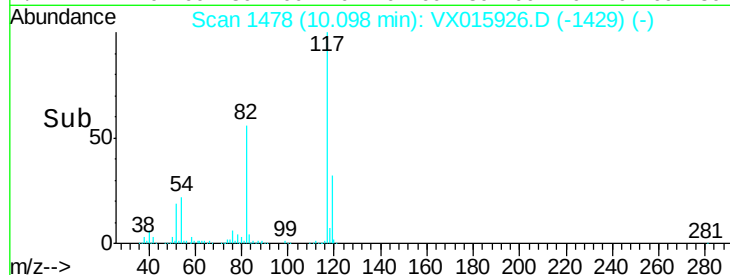
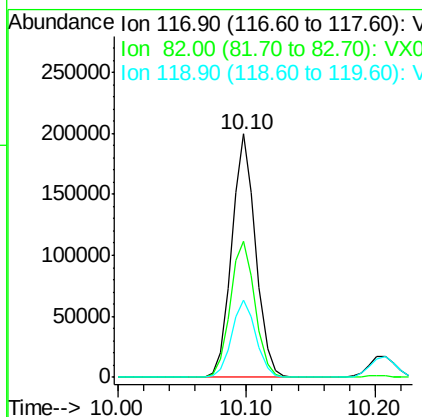
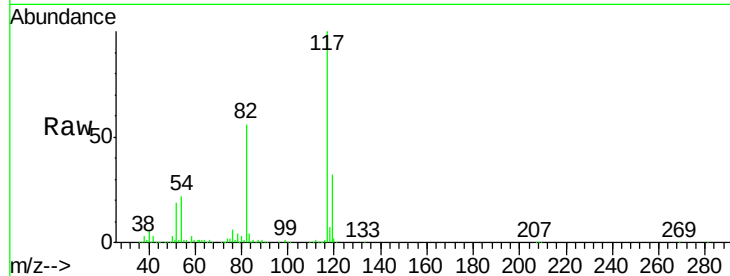
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX015926.D
Acq: 24 Apr 2020 11:50

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	48.5	72.7
119	31.6	26.2	39.4

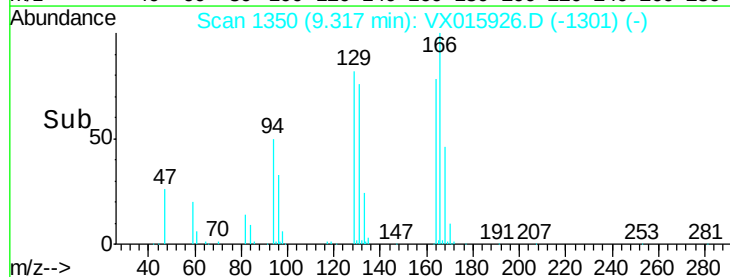
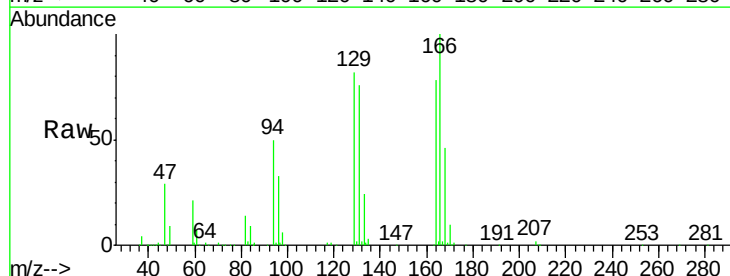
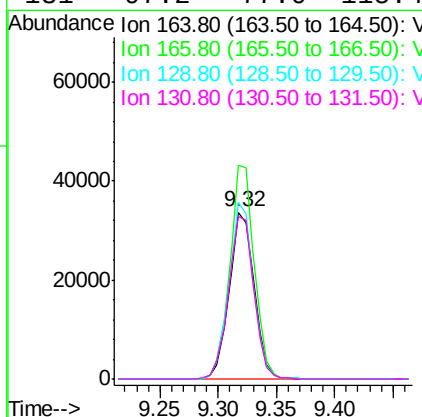
Manual Integrations
APPROVED

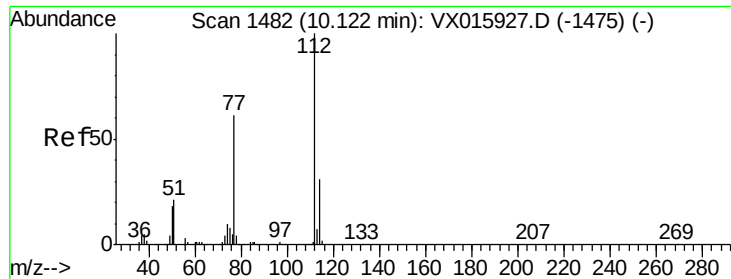
MMDadoda
4/27/2020 11:37:11 AM



#64
Tetrachloroethene
Concen: 19.518 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX015926.D
Acq: 24 Apr 2020 11:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	96.7	145.1
129	105.5	82.8	124.2
131	97.2	77.0	115.4





#65

Chlorobenzene

Concen: 20.051 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX015926.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 100918

Ion Ratio Lower Upper

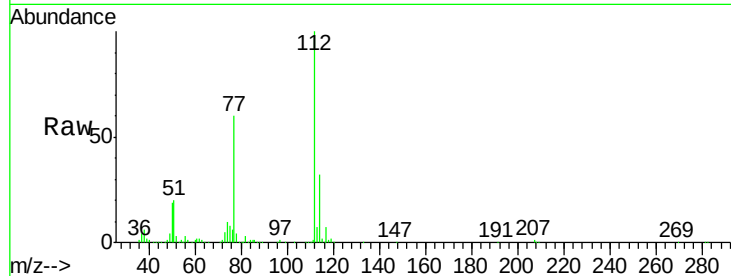
112 100

114 32.3 25.2 37.8

Manual Integrations
APPROVED

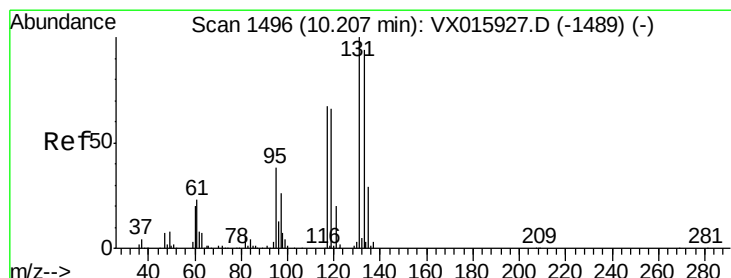
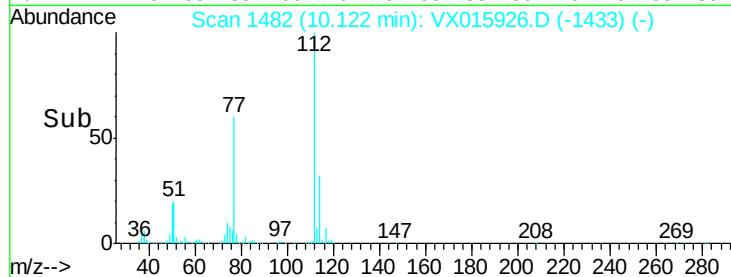
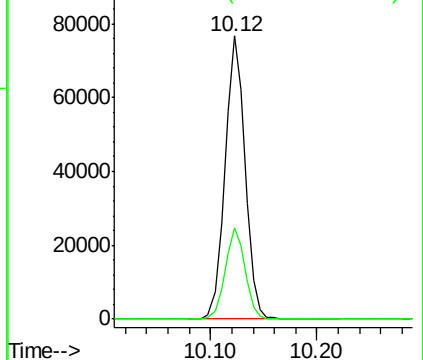
MMDadoda

4/27/2020 11:37:11 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.871 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VX015926.D

Acq: 24 Apr 2020 11:50

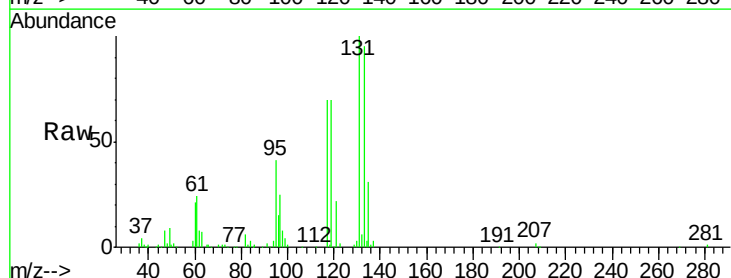
Tgt Ion:131 Resp: 35064

Ion Ratio Lower Upper

131 100

133 92.9 46.7 140.0

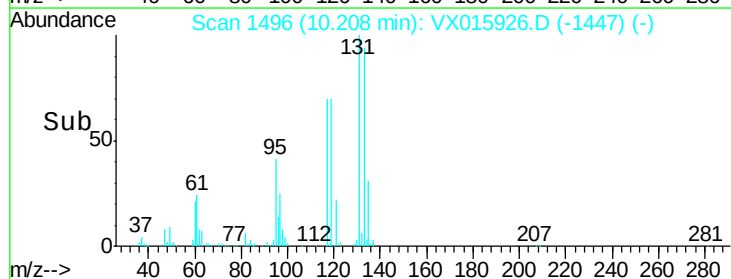
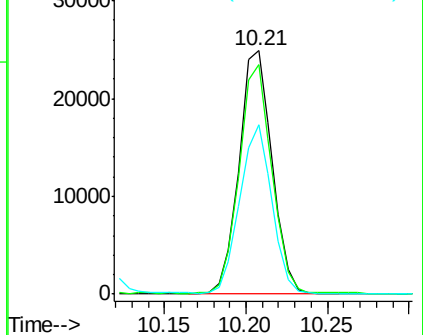
119 68.6 33.7 101.0

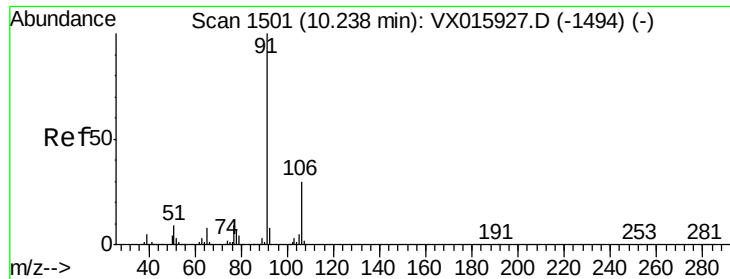


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





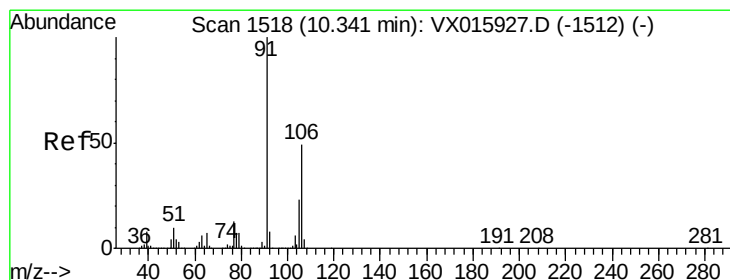
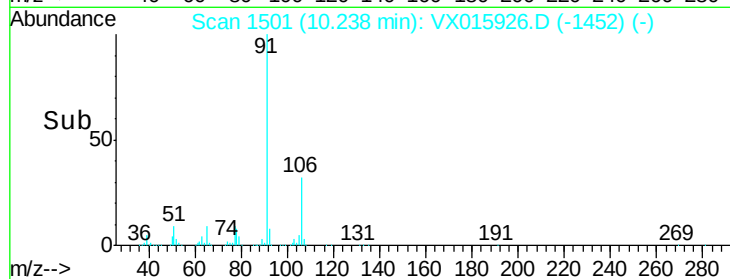
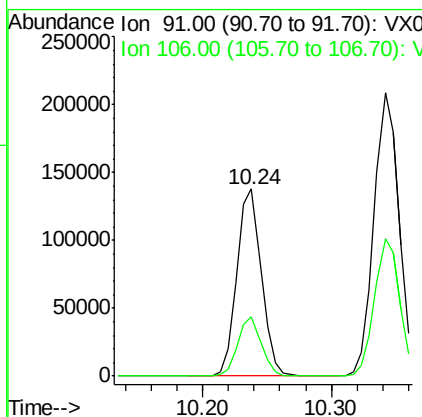
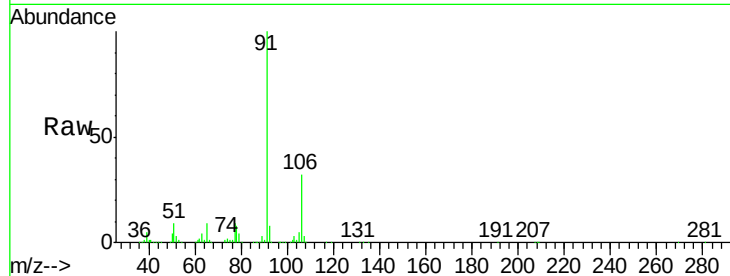
#67
Ethyl Benzene
Concen: 19.642 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.00 min
Lab File: VX015926.D
Acq: 24 Apr 2020 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	31.5	24.2	36.4	

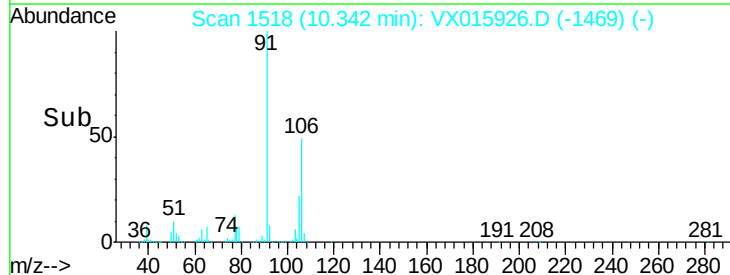
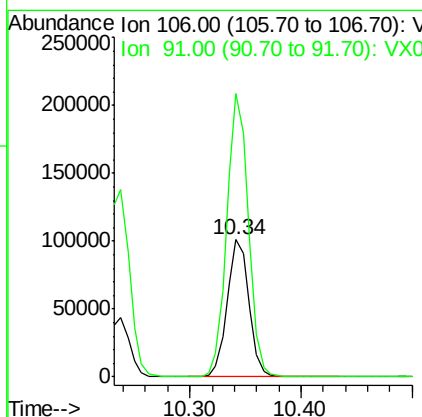
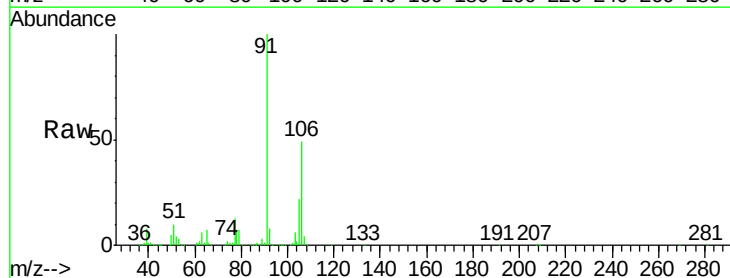
Manual Integrations
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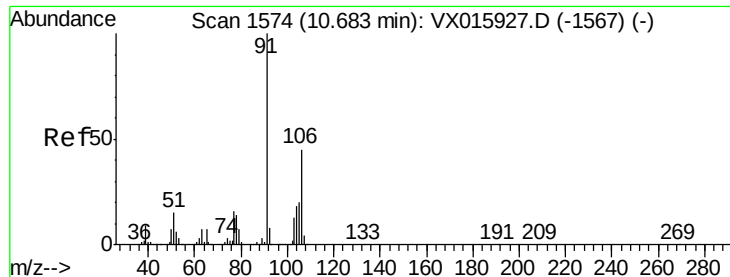
MMDadoda
4/27/2020 11:37:11 AM



#68
m/p-Xylenes
Concen: 40.256 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX015926.D
Acq: 24 Apr 2020 11:50

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	204.4	164.9	247.3	





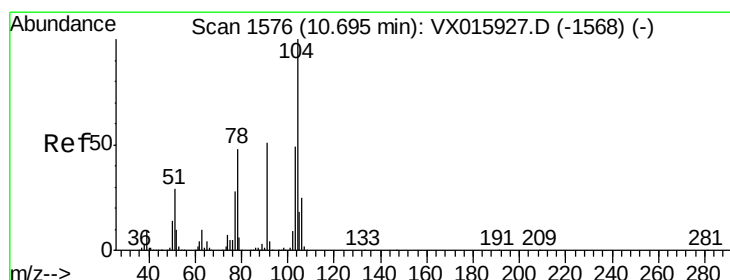
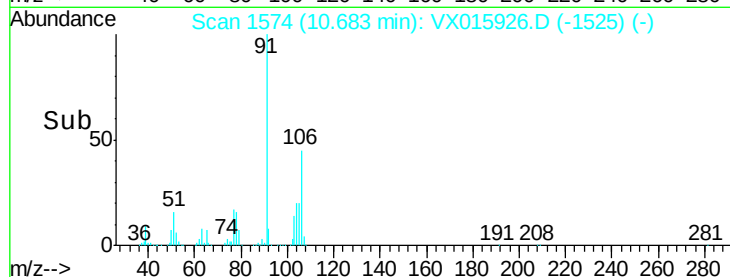
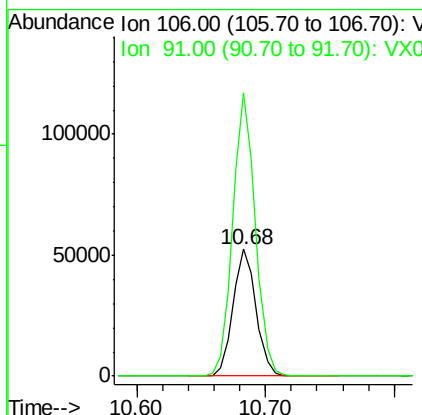
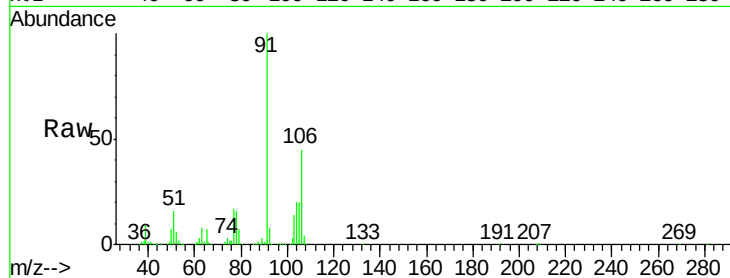
#69
o-Xylene
Concen: 19.900 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX015926.D
Acq: 24 Apr 2020 11:50

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion:106 Resp: 65721
Ion Ratio Lower Upper
106 100
91 219.0 108.6 325.8

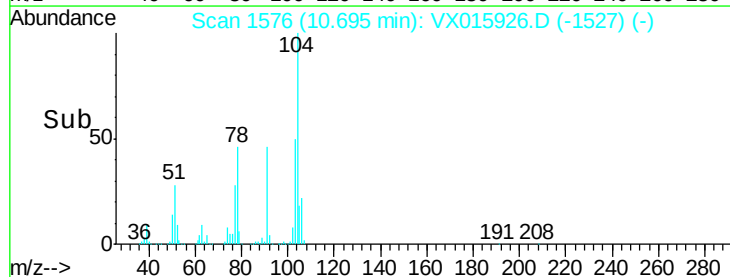
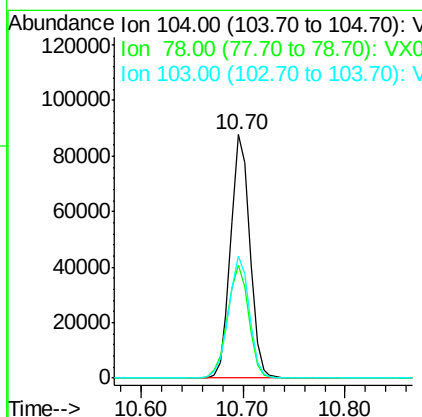
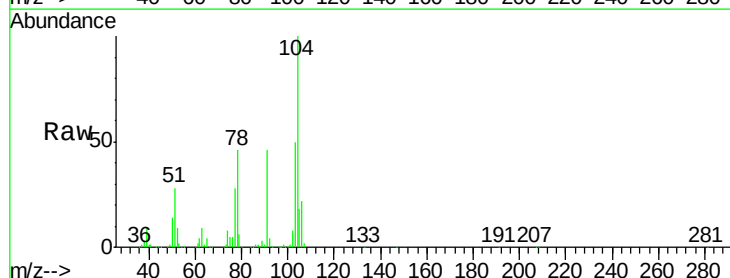
Manual Integrations
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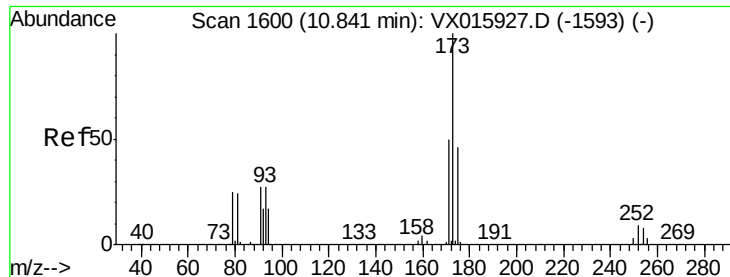
MMDadoda
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#70
Styrene
Concen: 20.405 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX015926.D
Acq: 24 Apr 2020 11:50

Tgt Ion:104 Resp: 113619
Ion Ratio Lower Upper
104 100
78 51.4 40.5 60.7
103 54.4 42.7 64.1





#71

Bromoform

Concen: 20.215 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX015926.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 22709

Ion Ratio Lower Upper

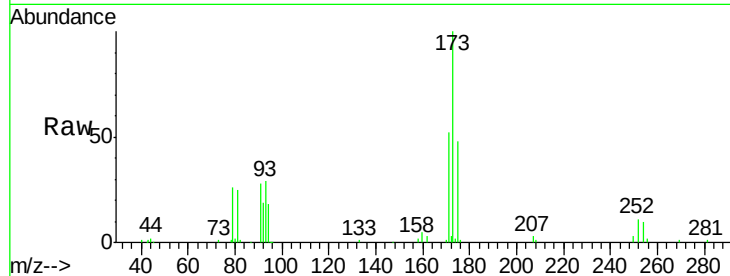
173 100

175 48.0 23.2 69.5

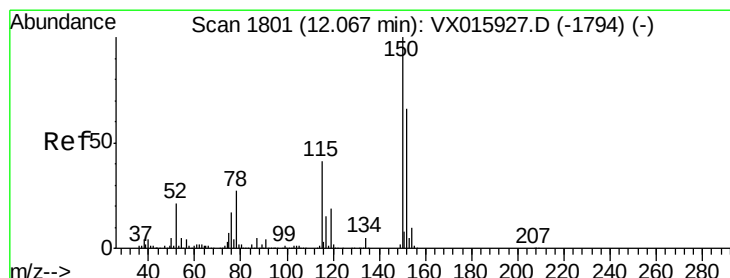
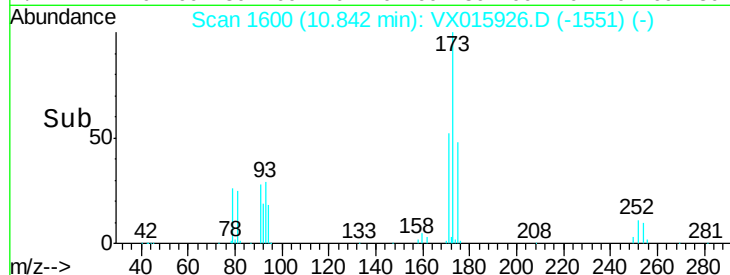
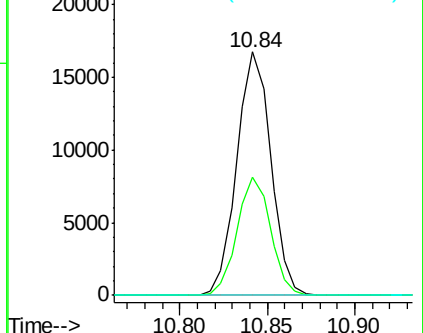
254 0.0 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.01 min

Lab File: VX015926.D

Acq: 24 Apr 2020 11:50

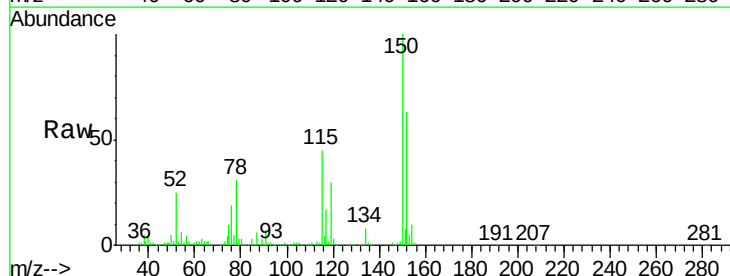
Tgt Ion:152 Resp: 122550

Ion Ratio Lower Upper

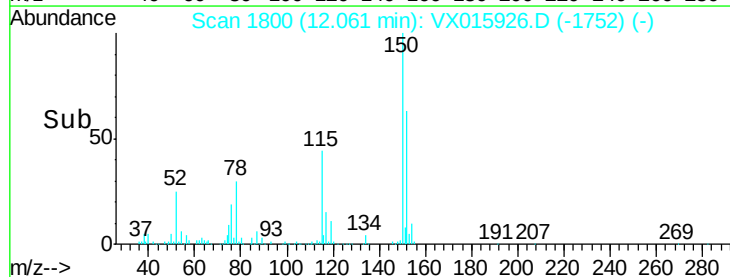
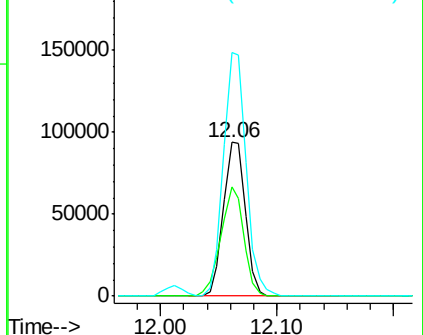
152 100

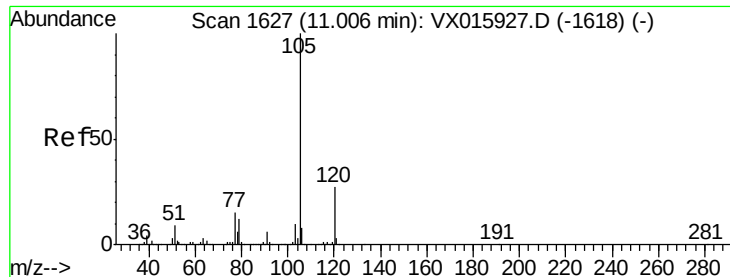
115 73.5 44.1 132.4

150 163.7 0.0 343.6



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





#73

Isopropylbenzene

Concen: 19.583 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX015926.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 175609

Ion Ratio Lower Upper

105 100

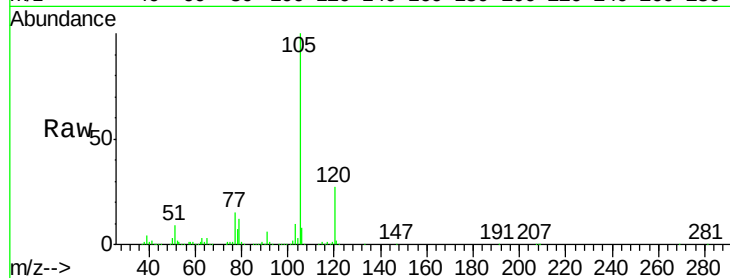
120 26.0 13.1 39.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

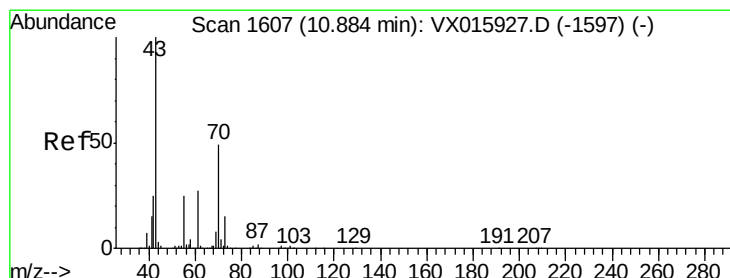
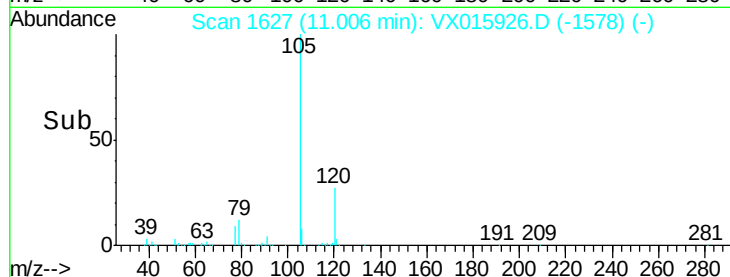
11.01

100000

50000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 20.305 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VX015926.D

Acq: 24 Apr 2020 11:50

Tgt Ion: 43 Resp: 77259

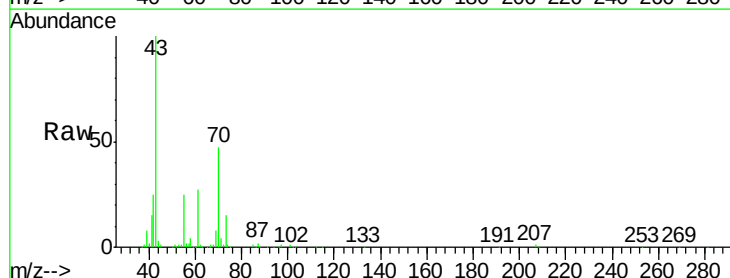
Ion Ratio Lower Upper

43 100

70 46.8 37.8 56.6

55 24.7 20.2 30.2

61 26.4 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

80000

10.88

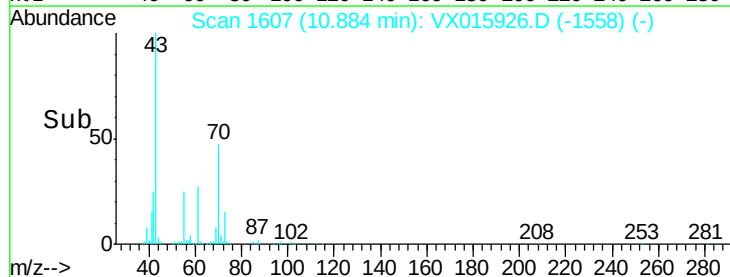
60000

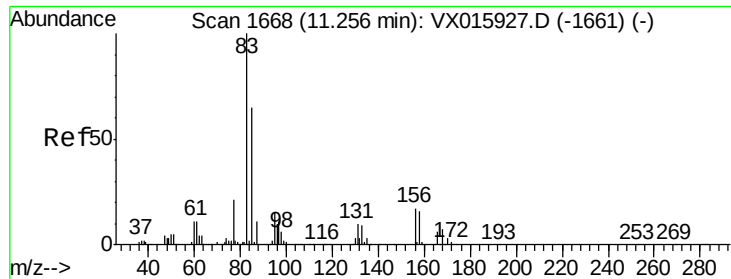
40000

20000

0

Time--> 10.80 10.90





#75

1,1,2,2-Tetrachloroethane

Concen: 20.349 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX015926.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_X

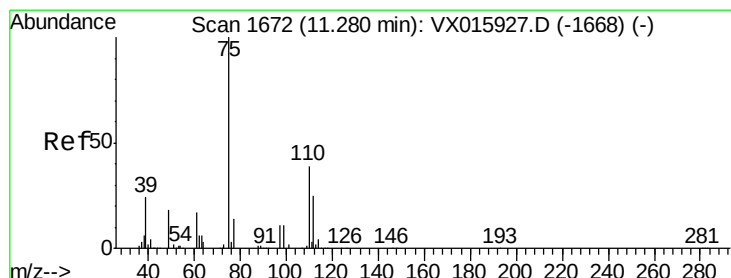
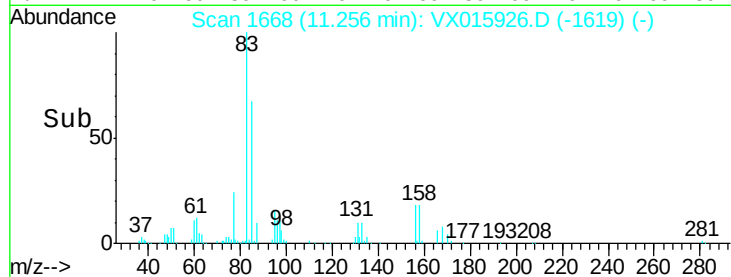
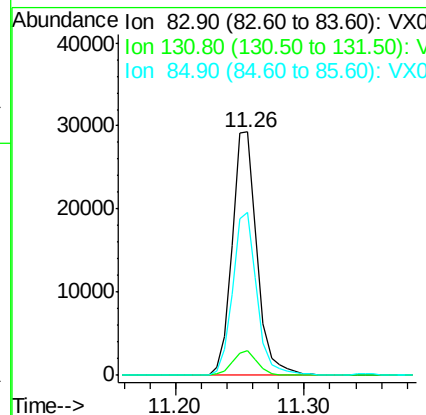
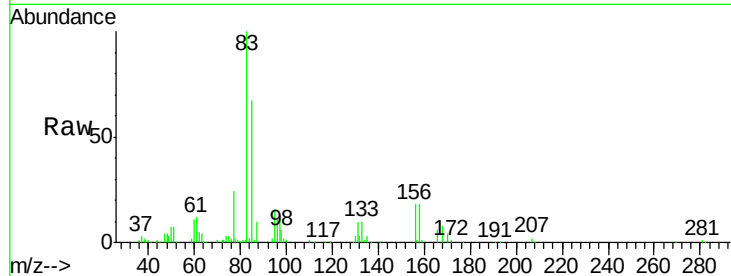
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	39731
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.6
85	65.4	32.1	96.3

Manual Integrations
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MMDadoda
4/27/2020 11:37:11 AM



#76

1,2,3-Trichloropropane

Concen: 16.395 ug/l m

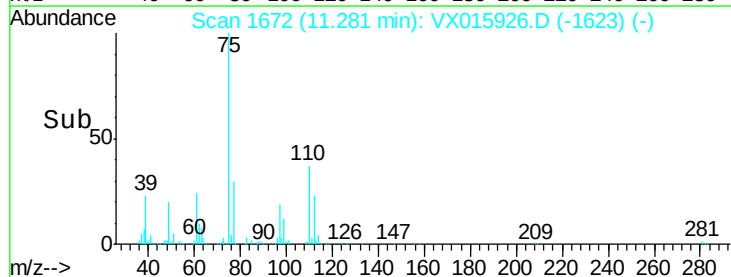
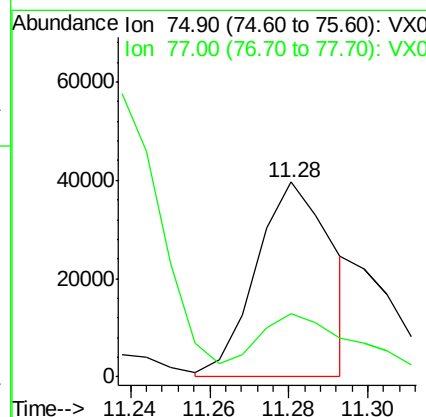
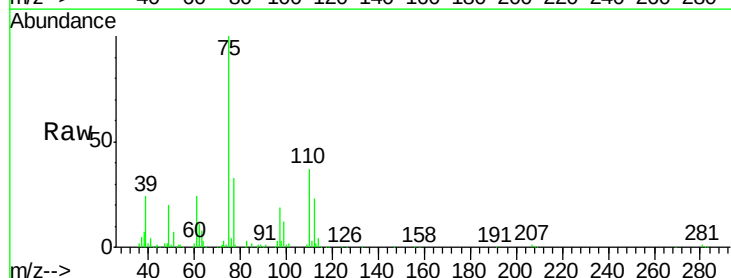
RT: 11.28 min Scan# 1672

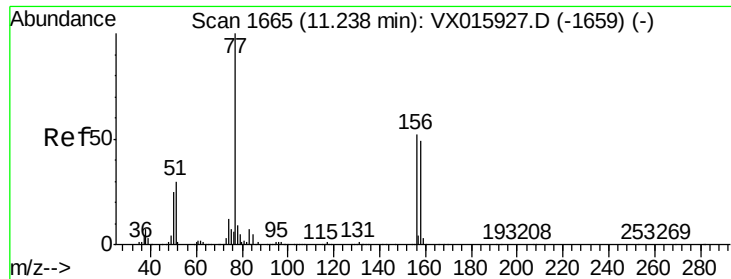
Delta R.T. 0.00 min

Lab File: VX015926.D

Acq: 24 Apr 2020 11:50

Tgt Ion:	75	Resp:	52537
Ion Ratio	Lower	Upper	
75	100		
77	43.4	22.1	66.5





#77

Bromobenzene

Concen: 19.754 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX015926.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_X

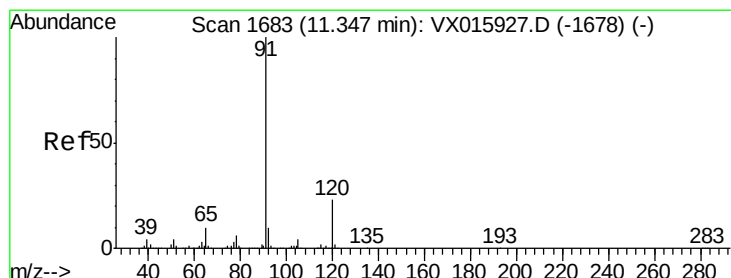
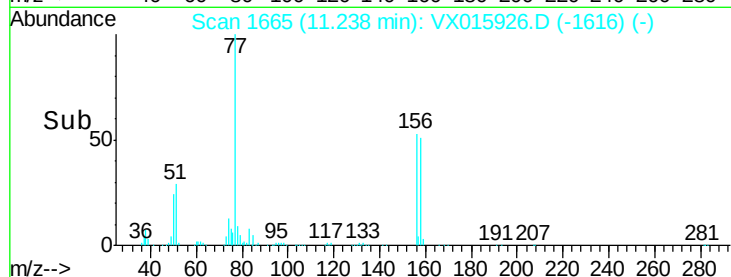
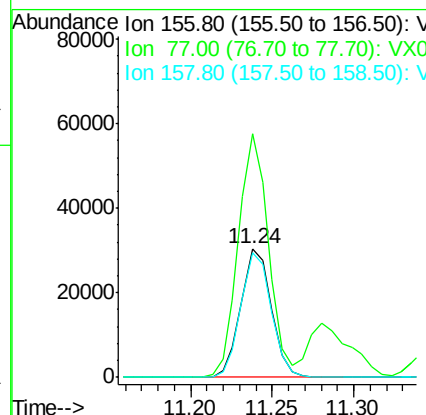
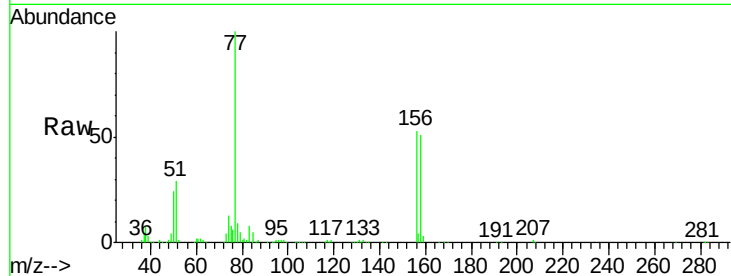
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	39756
Ion Ratio	Lower	Upper	
156	100		
77	186.3	94.0	281.9
158	97.0	48.6	145.9

Manual Integrations
APPROVED

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4/27/2020 11:37:11 AM



#78

n-propylbenzene

Concen: 19.620 ug/l

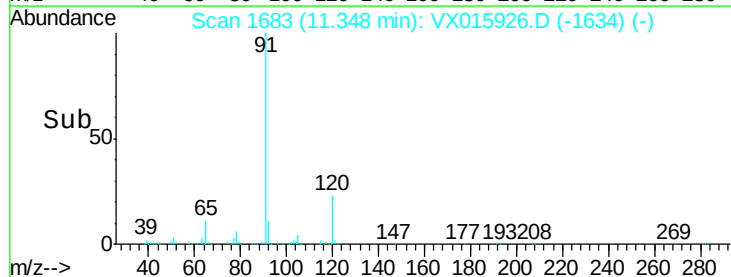
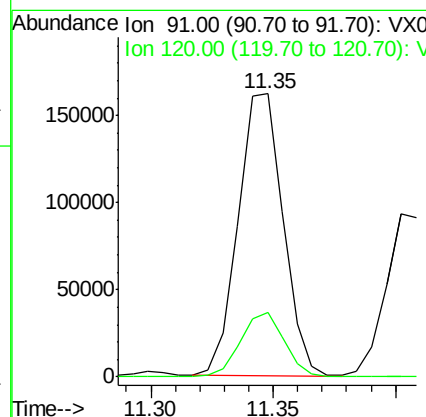
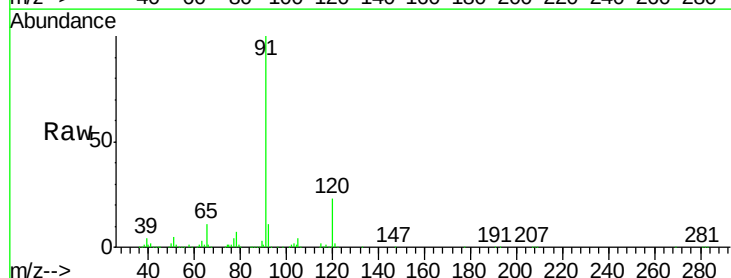
RT: 11.35 min Scan# 1683

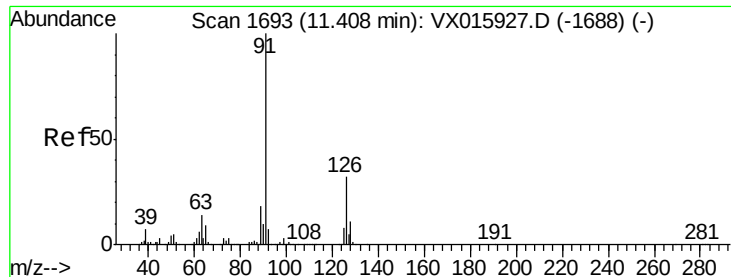
Delta R.T. 0.00 min

Lab File: VX015926.D

Acq: 24 Apr 2020 11:50

Tgt Ion:	91	Resp:	206890
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.2	33.6





#79

2-Chlorotoluene

Concen: 19.851 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.01 min

Lab File: VX015926.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 122021

Ion Ratio Lower Upper

91 100

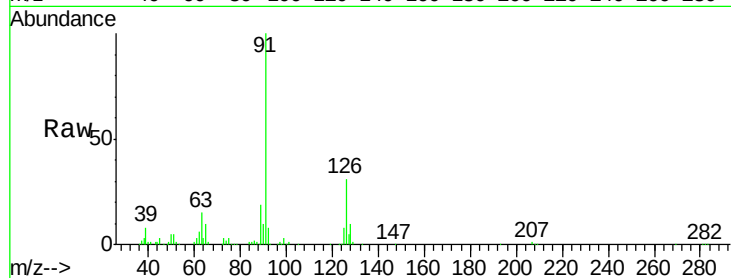
126 32.4 15.8 47.3

Manual Integrations

APPROVED

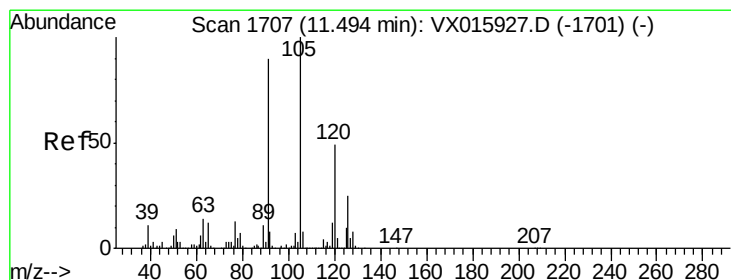
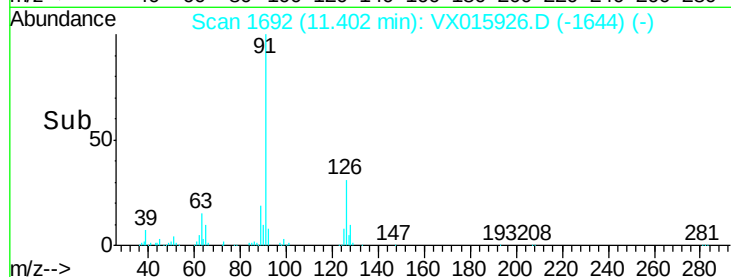
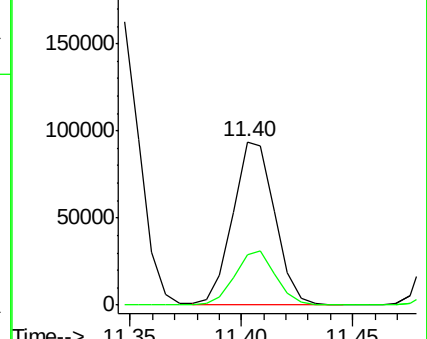
MMDadoda

4/27/2020 11:37:11 AM



Abundance Ion 91.00 (90.70 to 91.70): VX015927.D (-1688) (-)

Ion 125.90 (125.60 to 126.60): VX015927.D (-1688) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.956 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX015926.D

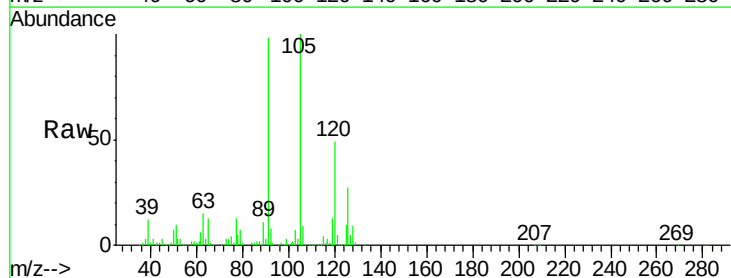
Acq: 24 Apr 2020 11:50

Tgt Ion:105 Resp: 149910

Ion Ratio Lower Upper

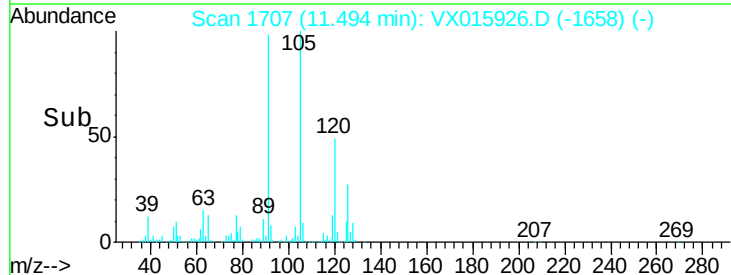
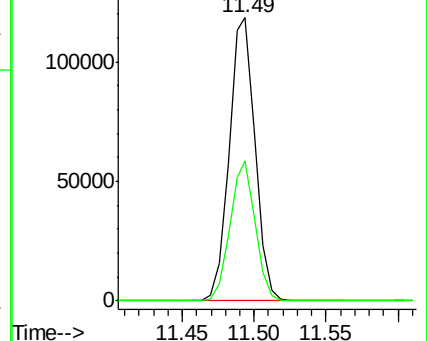
105 100

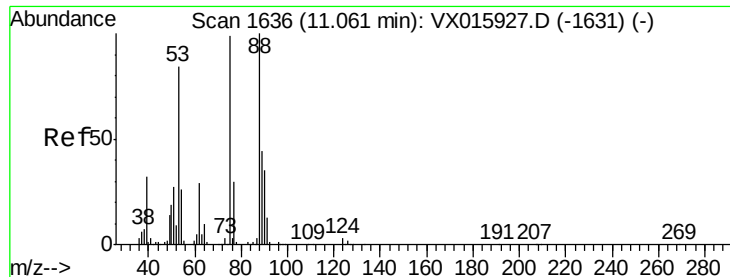
120 47.8 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VX015927.D (-1701) (-)

Ion 120.00 (119.70 to 120.70): VX015927.D (-1701) (-)





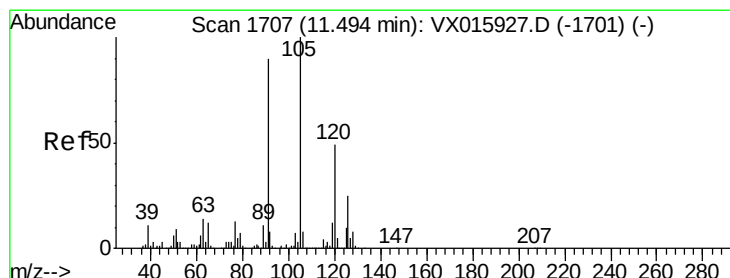
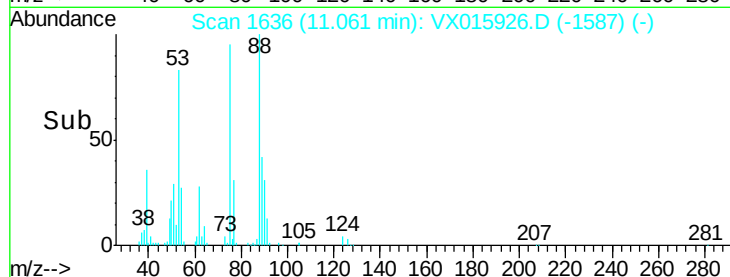
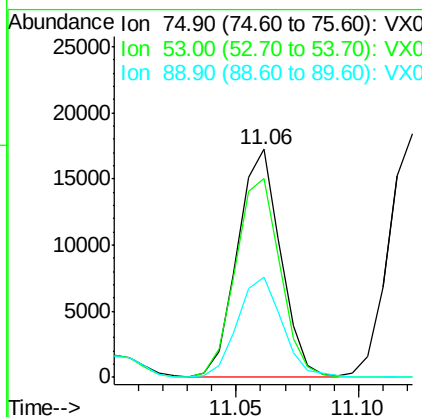
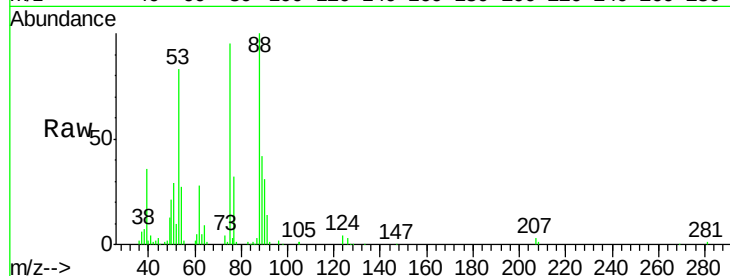
#81
trans-1,4-Dichloro-2-butene
Concen: 20.125 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VX015926.D
Acq: 24 Apr 2020 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.9	69.7	104.5
89	46.1	36.3	54.5

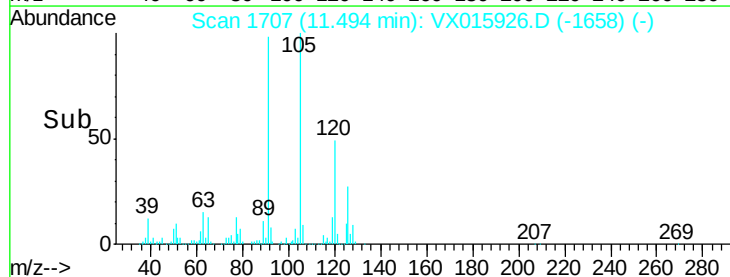
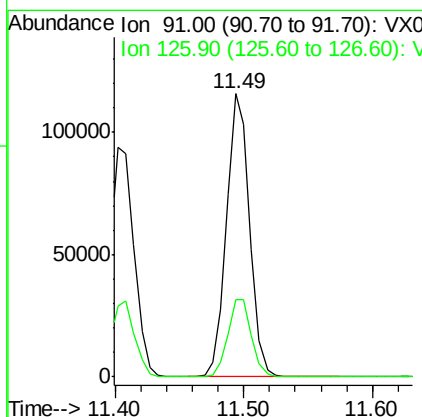
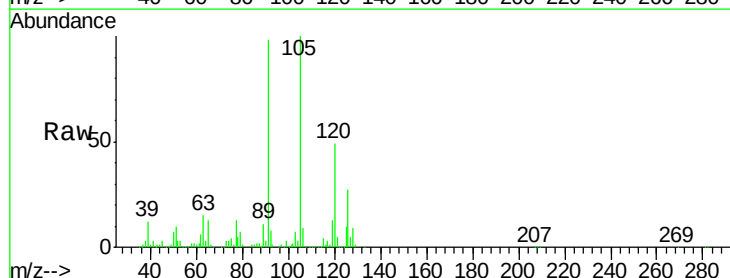
Manual Integrations
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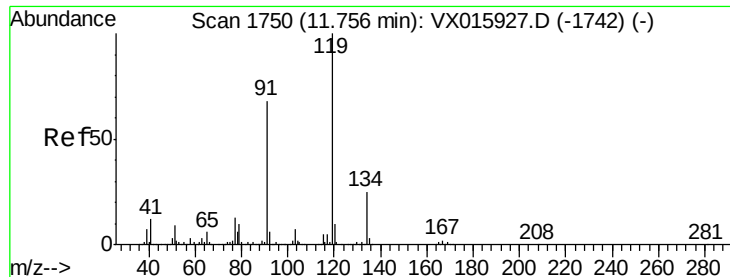
MMDadoda
4/27/2020 11:37:11 AM



#82
4-Chlorotoluene
Concen: 19.830 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX015926.D
Acq: 24 Apr 2020 11:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.1	14.2	42.8





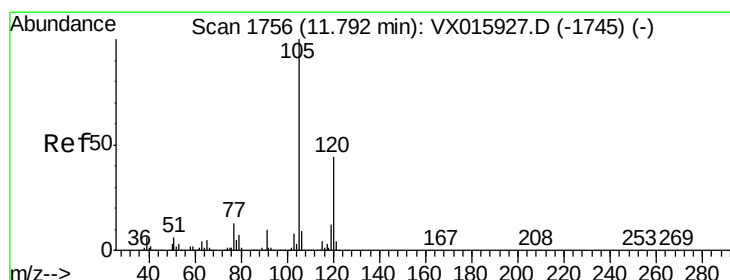
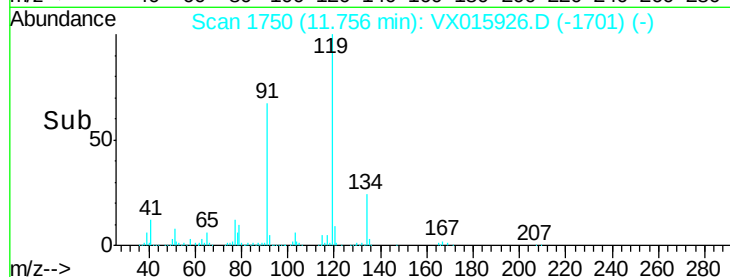
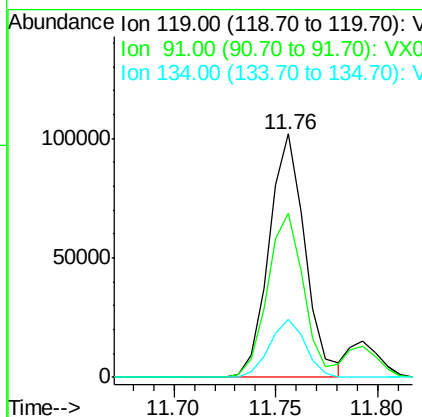
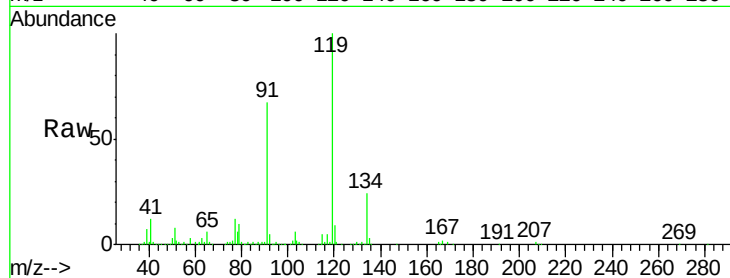
#83
tert-Butylbenzene
Concen: 19.735 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX015926.D
Acq: 24 Apr 2020 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	125387		
91	68.6	34.3	102.8	
134	23.7	12.1	36.3	

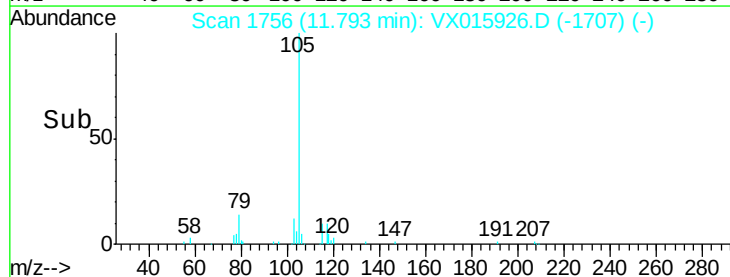
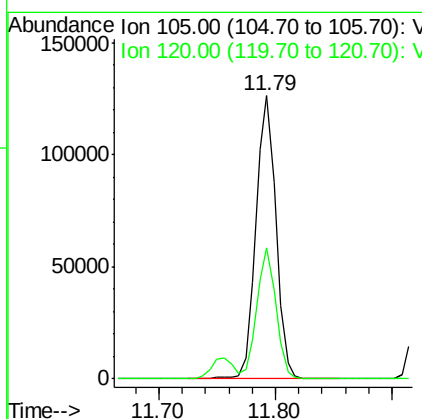
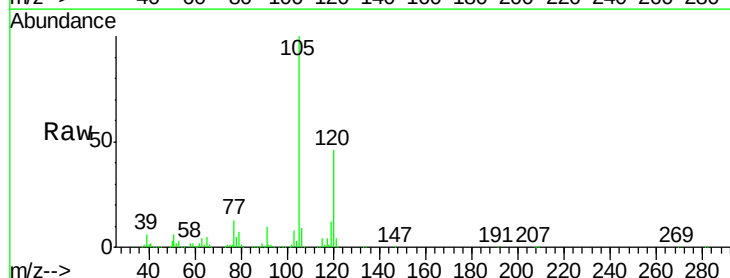
Manual Integrations
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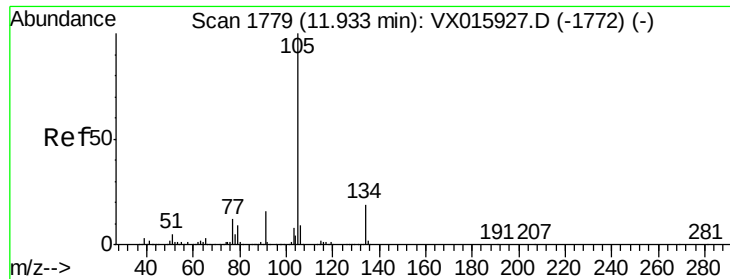
MMDadoda
4/27/2020 11:37:11 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.702 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX015926.D
Acq: 24 Apr 2020 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	151910		
120	44.5	22.3	66.8	





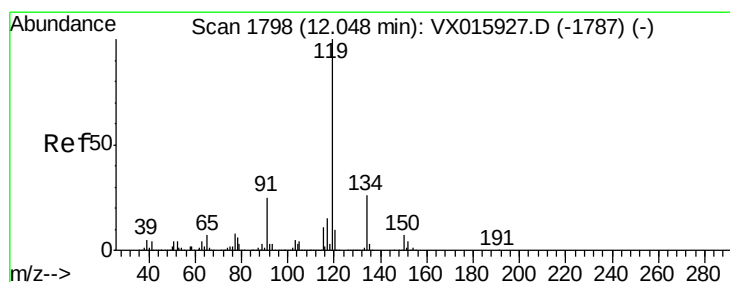
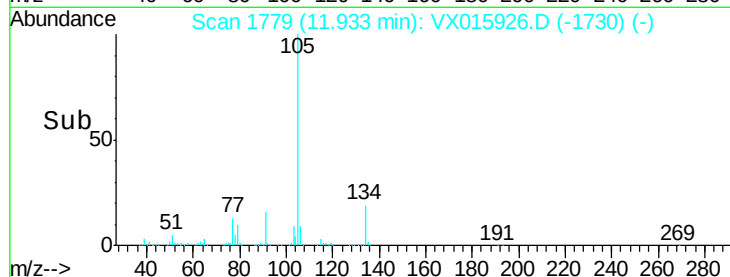
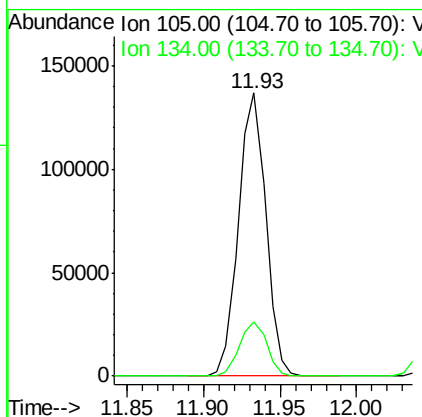
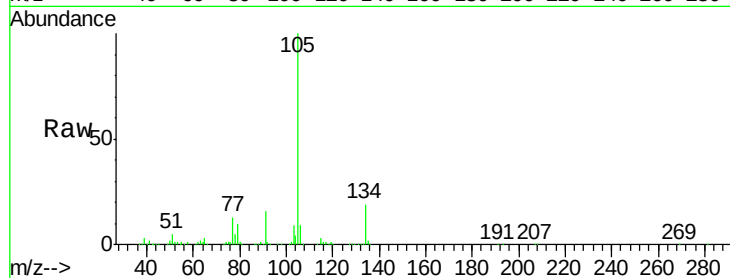
#85
 sec-Butylbenzene
 Concen: 19.616 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: VX015926.D
 Acq: 24 Apr 2020 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	169224		
134	19.5	9.3	28.0	

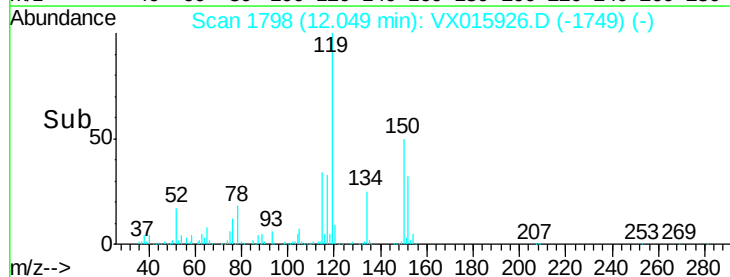
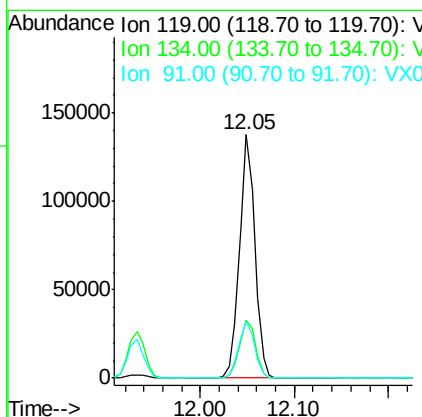
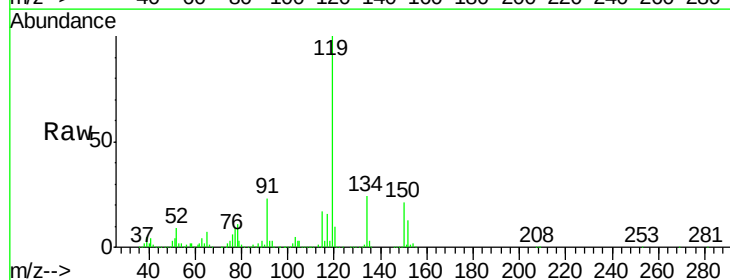
Manual Integrations
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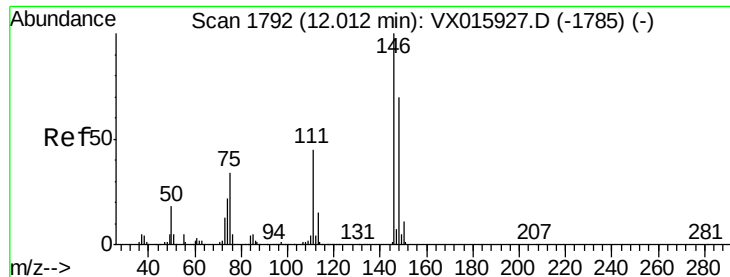
MMDadoda
 4/27/2020 11:37:11 AM



#86
 p-Isopropyltoluene
 Concen: 19.897 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX015926.D
 Acq: 24 Apr 2020 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	156435		
134	25.0	12.6	37.8	
91	24.3	12.2	36.6	





#87

1,3-Dichlorobenzene

Concen: 19.842 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX015926.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_X

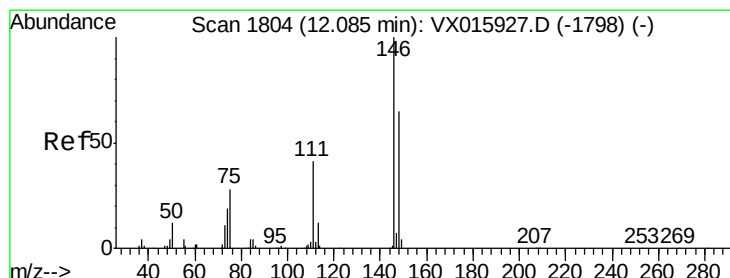
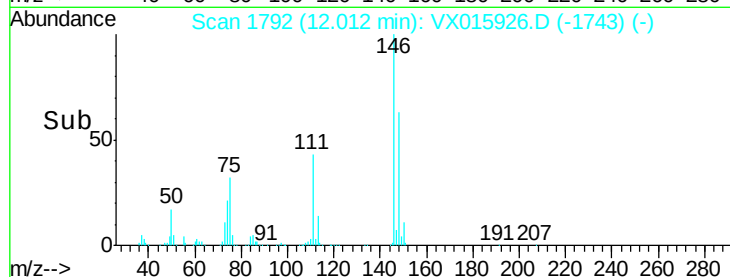
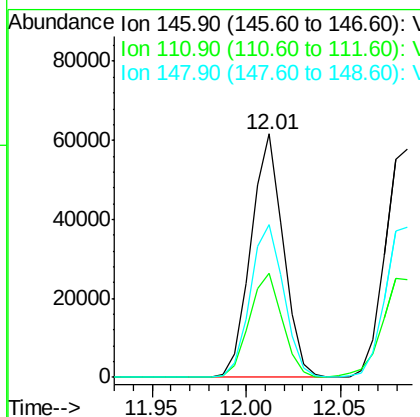
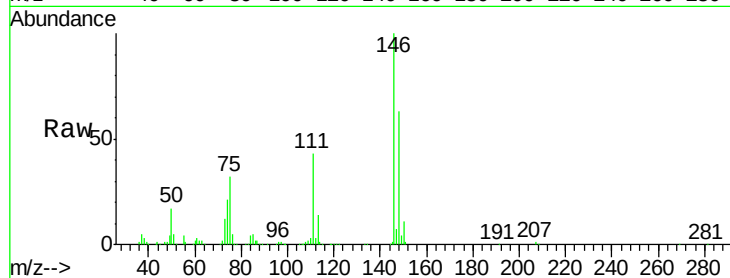
ClientSampled :

VSTDIC020

Tot Ion:	146	Resp:	73471
Ion Ratio	Lower	Upper	
146	100		
111	43.6	22.2	66.6
148	64.7	32.8	98.4

Manual Integrations
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4/27/2020 11:37:11 AM



#88

1,4-Dichlorobenzene

Concen: 19.570 ug/l

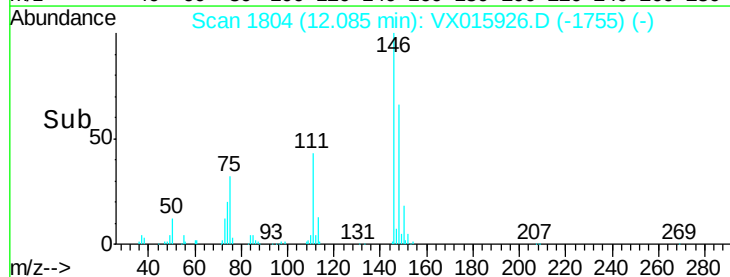
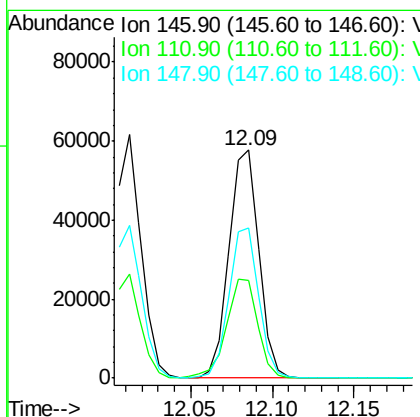
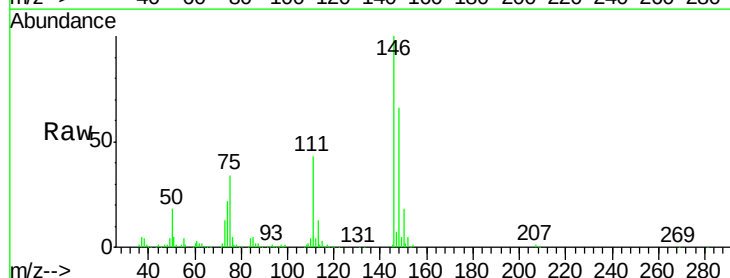
RT: 12.09 min Scan# 1804

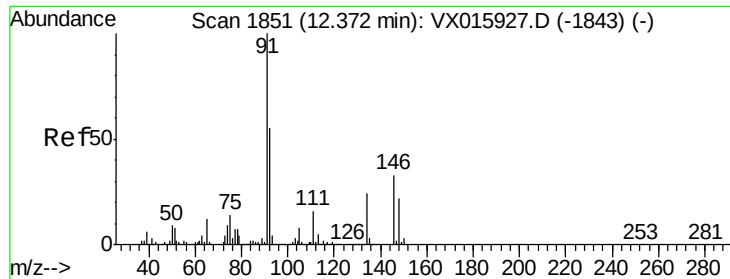
Delta R.T. 0.00 min

Lab File: VX015926.D

Acq: 24 Apr 2020 11:50

Tgt Ion:	146	Resp:	73544
Ion Ratio	Lower	Upper	
146	100		
111	45.3	21.6	64.6
148	65.6	32.3	96.8





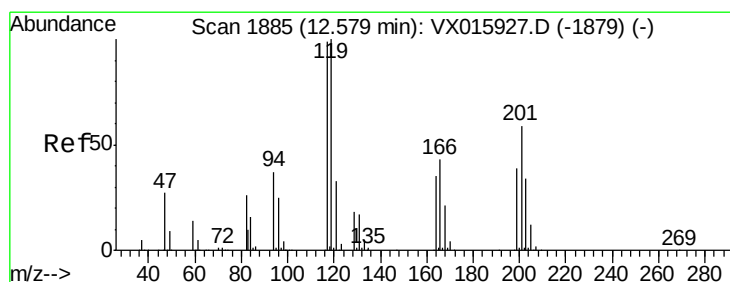
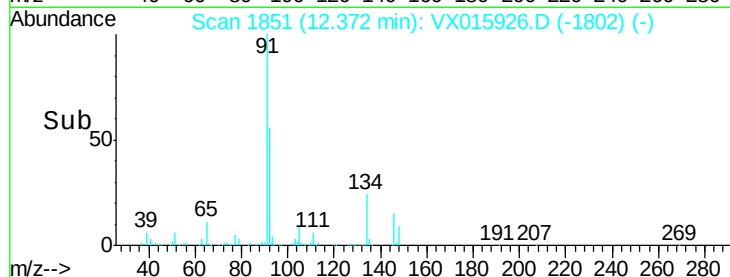
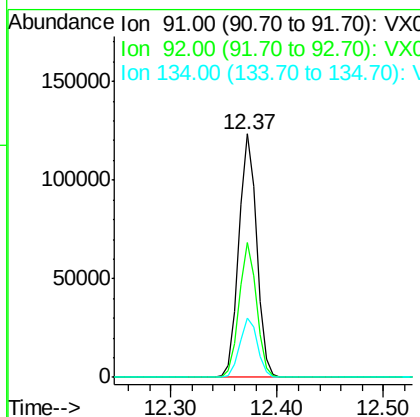
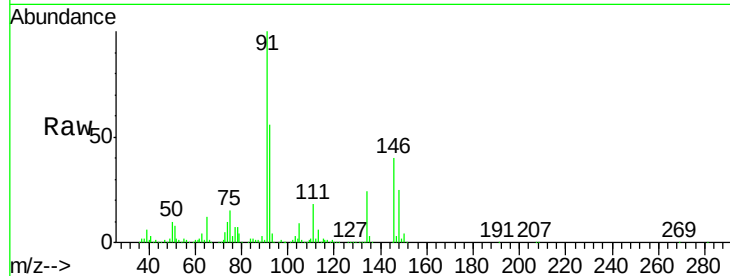
#89
n-Butylbenzene
Concen: 19.808 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX015926.D
Acq: 24 Apr 2020 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	145932		
92	54.1	27.3	81.9	
134	24.3	12.2	36.4	

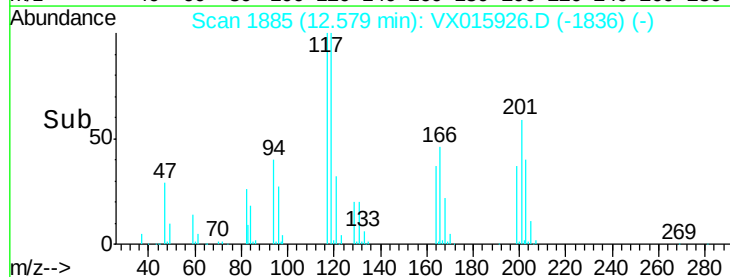
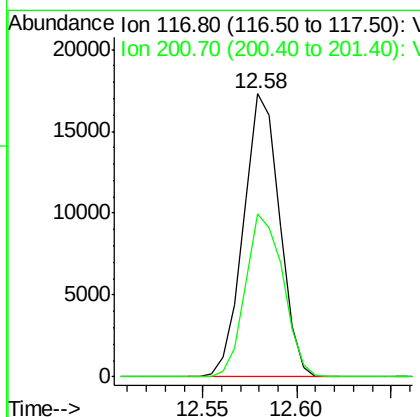
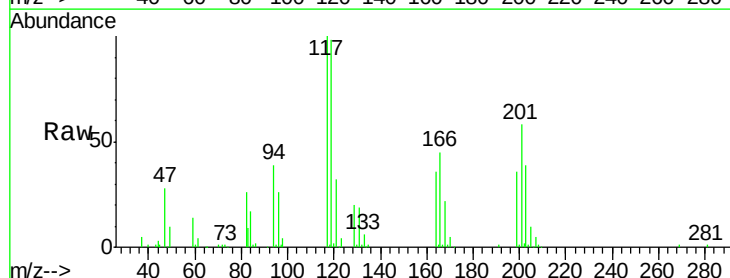
Manual Integrations
APPROVED

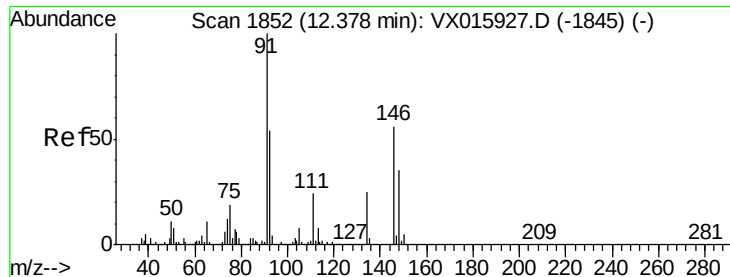
MMDadoda
4/27/2020 11:37:11 AM



#90
Hexachloroethane
Concen: 19.681 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX015926.D
Acq: 24 Apr 2020 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	22983		
201	60.0	32.1	96.3	





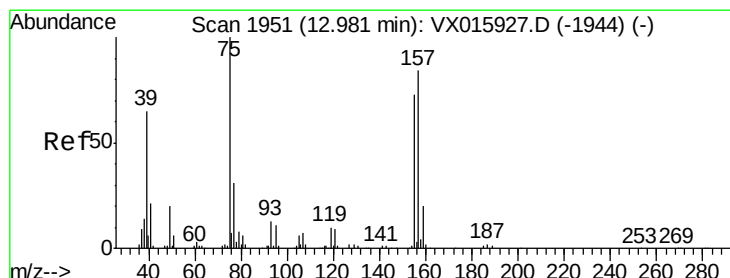
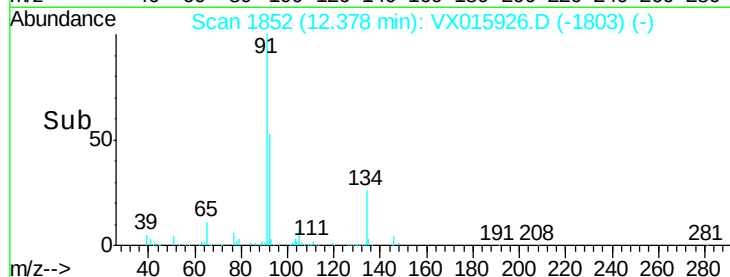
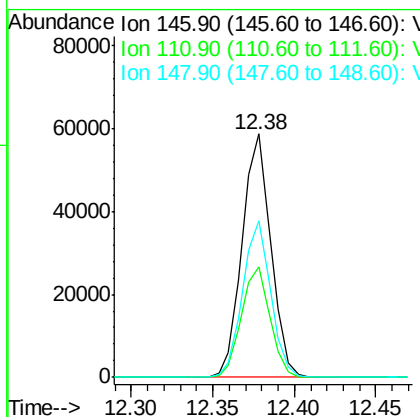
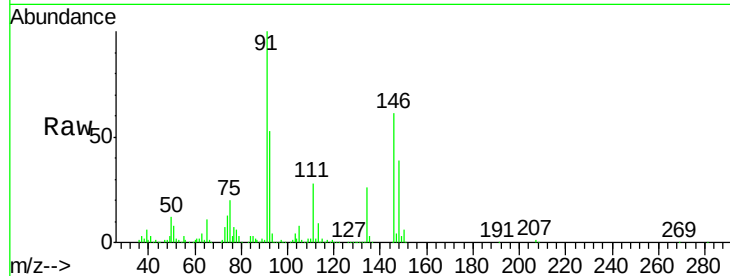
#91
 1,2-Dichlorobenzene
 Concen: 20.036 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX015926.D
 Acq: 24 Apr 2020 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.3	66.8
148	62.8	31.4	94.2

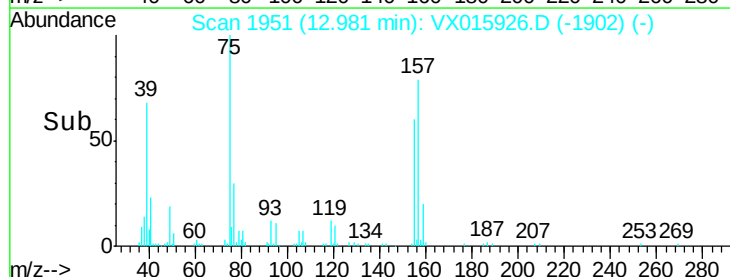
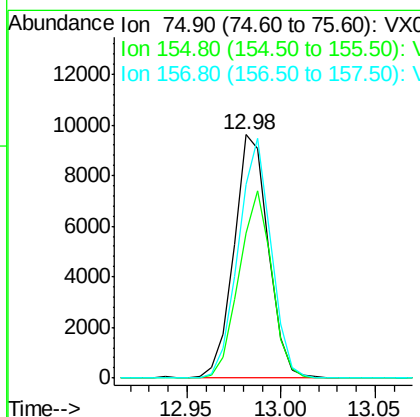
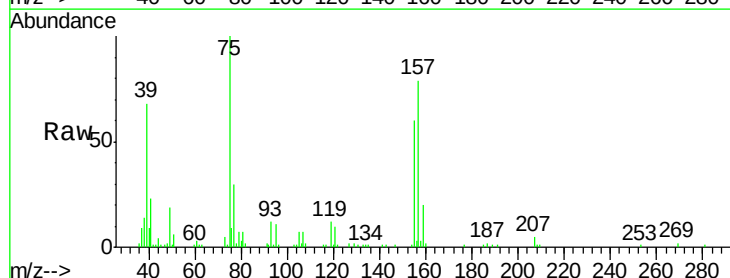
Manual Integrations
 APPROVED

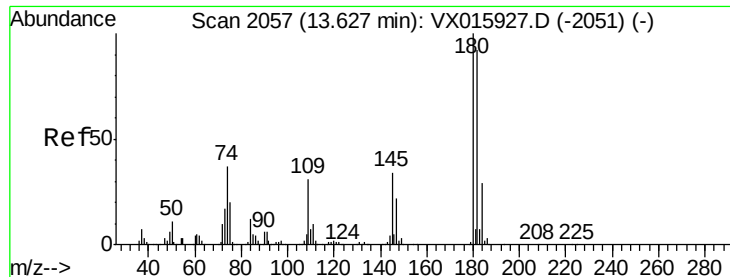
MMDadoda
 4/27/2020 11:37:11 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.278 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX015926.D
 Acq: 24 Apr 2020 11:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.0	37.9	113.6
157	93.4	47.9	143.8





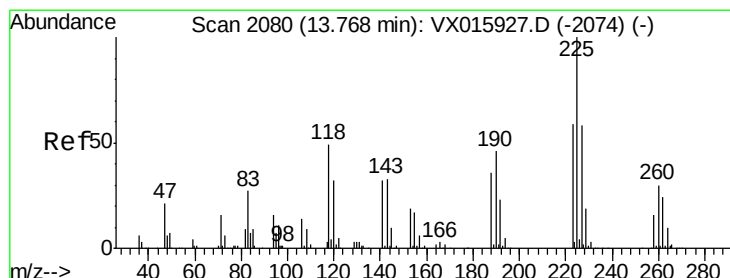
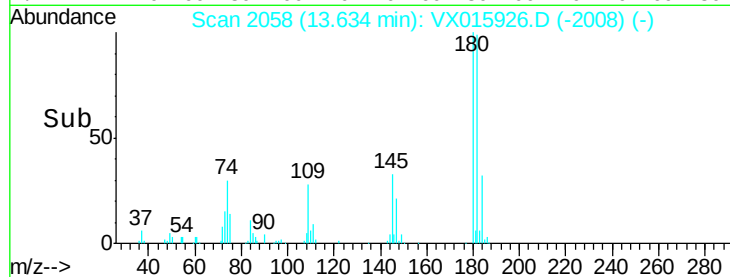
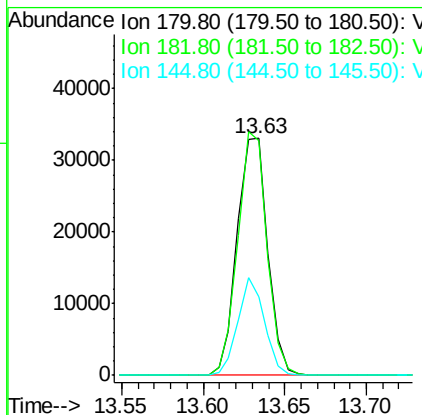
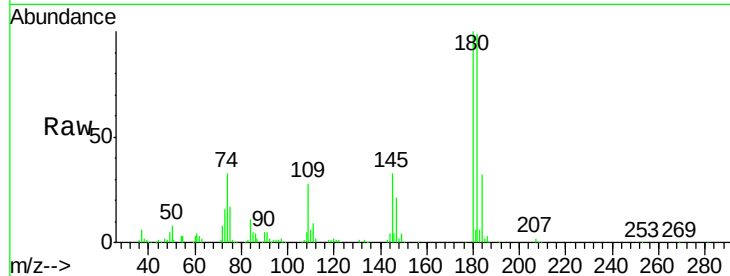
#93
 1,2,4-Trichlorobenzene
 Concen: 18.890 ug/l
 RT: 13.63 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: VX015926.D
 Acq: 24 Apr 2020 11:50

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	47.6	142.9
145	35.9	17.3	52.0

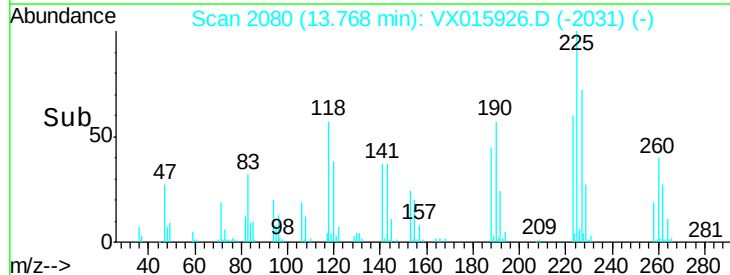
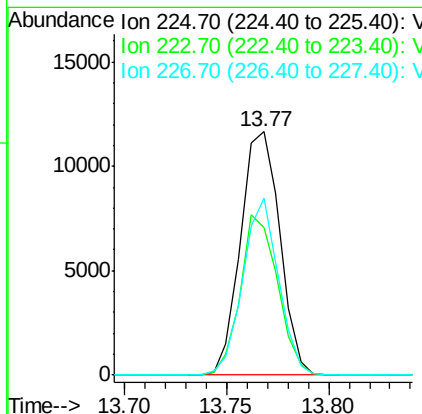
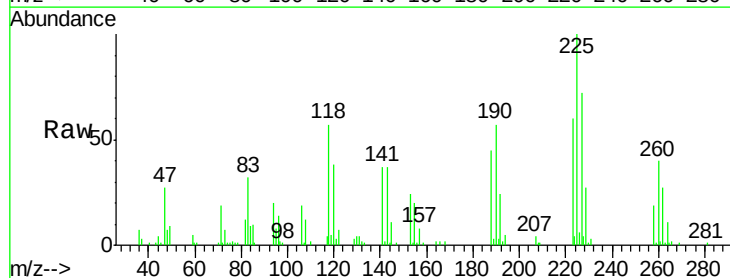
Manual Integrations
 APPROVED

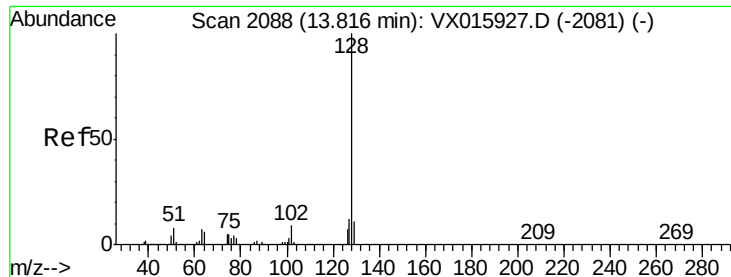
MMDadoda
 4/27/2020 11:37:11 AM



#94
 Hexachlorobutadiene
 Concen: 19.079 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX015926.D
 Acq: 24 Apr 2020 11:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	30.6	91.6
227	66.0	32.0	96.2





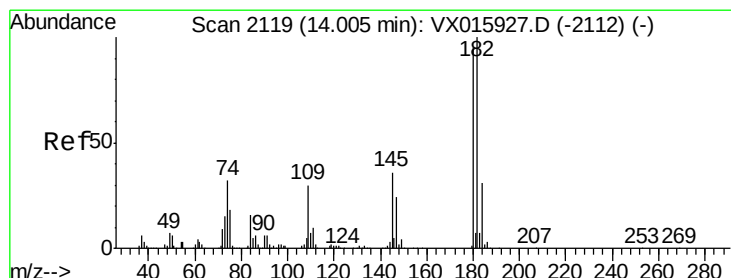
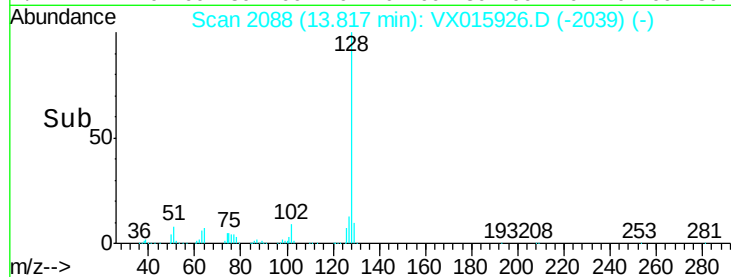
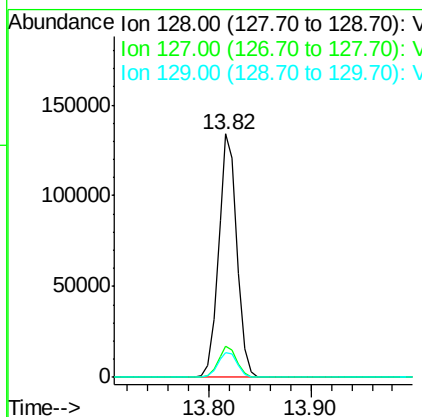
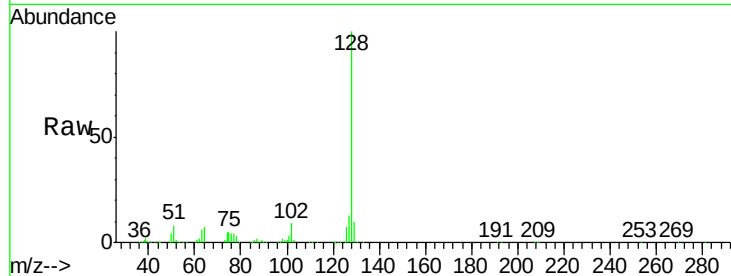
#95
Naphthalene
Concen: 20.220 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX015926.D
Acq: 24 Apr 2020 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	167173		
127	12.9	10.1	15.1	
129	10.7	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
4/27/2020 11:37:11 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.871 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VX015926.D
Acq: 24 Apr 2020 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	43008		
182	96.6	50.1	150.3	
145	37.3	18.9	56.9	

