

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042420\
 Data File : VX015931.D
 Acq On : 24 Apr 2020 15:03
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX042420

Manual Integrations
 APPROVED

MMDadoda
 4/27/2020 12:39:59 PM

Quant Time: Apr 25 06:47:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 24 13:17:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	152252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	270863	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	248831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	122583	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	106802	49.68	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.36%	
35) Dibromofluoromethane	5.46	113	80242	54.32	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	108.64%	
50) Toluene-d8	8.70	98	328792	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	
62) 4-Bromofluorobenzene	11.12	95	133946	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	86341	51.579	ug/l	98
3) Chloromethane	1.31	50	83504	48.403	ug/l	99
4) Vinyl Chloride	1.39	62	109389	49.547	ug/l	99
5) Bromomethane	1.62	94	27830	34.961	ug/l	100
6) Chloroethane	1.69	64	47632	35.841	ug/l	99
7) Trichlorofluoromethane	1.90	101	128028	49.505	ug/l	100
8) Diethyl Ether	2.17	74	57808	46.968	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	85078	51.713	ug/l	100
10) Methyl Iodide	2.48	142	87163	46.408	ug/l	99
11) Tert butyl alcohol	3.04	59	102854	222.686	ug/l	100
12) 1,1-Dichloroethene	2.35	96	84877	49.239	ug/l	98
13) Acrolein	2.27	56	72810	254.003	ug/l	99
14) Allyl chloride	2.70	41	148218	48.650	ug/l	99
15) Acrylonitrile	3.12	53	243734	241.436	ug/l	99
16) Acetone	2.42	43	162619	201.666	ug/l	100
17) Carbon Disulfide	2.54	76	234679	49.395	ug/l	100
18) Methyl Acetate	2.75	43	117254	48.080	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	304765	49.364	ug/l	99
20) Methylene Chloride	2.83	84	95250	47.753	ug/l	96
21) trans-1,2-Dichloroethene	3.14	96	93742	48.673	ug/l	99
22) Diisopropyl ether	3.82	45	294299	48.916	ug/l	89
23) Vinyl Acetate	3.78	43	1228710	249.967	ug/l	100
24) 1,1-Dichloroethane	3.67	63	169936	49.374	ug/l	100
25) 2-Butanone	4.64	43	292505	222.780	ug/l	100
26) 2,2-Dichloropropane	4.55	77	155140	51.083	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	106225	48.620	ug/l	99
28) Bromochloromethane	4.98	49	76107	50.023	ug/l	99
29) Tetrahydrofuran	5.09	42	201182	232.604	ug/l	99
30) Chloroform	5.17	83	168818	49.619	ug/l	99
31) Cyclohexane	5.54	56	156458	48.531	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	148737	48.594	ug/l	100
36) 1,1-Dichloropropene	5.76	75	131473	50.860	ug/l	99
37) Ethyl Acetate	4.79	43	126138	48.645	ug/l	99
38) Carbon Tetrachloride	5.75	117	122672	51.930	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	166337	53.082	ug/l	97
40) Benzene	6.11	78	389817	51.527	ug/l	97
41) Methacrylonitrile	5.00	41	69953	47.592	ug/l	99
42) 1,2-Dichloroethane	6.16	62	136497	51.557	ug/l	99
43) Isopropyl Acetate	6.41	43	218112	51.199	ug/l	100
44) Trichloroethene	7.18	130	121090	51.997	ug/l	97
45) 1,2-Dichloropropane	7.49	63	99399	51.346	ug/l	99
46) Dibromomethane	7.63	93	65581	50.728	ug/l	98
47) Bromodichloromethane	7.87	83	135431	51.478	ug/l	99
48) Methyl methacrylate	7.74	41	104486	49.879	ug/l	99
49) 1,4-Dioxane	7.72	88	44441	953.864	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	639345	255.999	ug/l	100
52) Toluene	8.76	92	247547	51.581	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	164110	51.732	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	173349	52.235	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	97105	50.662	ug/l	99
56) Ethyl methacrylate	9.16	69	160181	51.876	ug/l	99
57) 1,3-Dichloropropane	9.35	76	167506	51.080	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	411115	269.445	ug/l	100
59) 2-Hexanone	9.48	43	472291	249.050	ug/l	100
60) Dibromochloromethane	9.57	129	100523	52.812	ug/l	100
61) 1,2-Dibromoethane	9.65	107	102256	51.579	ug/l	99
64) Tetrachloroethene	9.32	164	136221	55.016	ug/l	98
65) Chlorobenzene	10.12	112	258166	52.259	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	92833	53.029	ug/l	98
67) Ethyl Benzene	10.24	91	476205	52.283	ug/l	100
68) m/p-Xylenes	10.34	106	355590	106.601	ug/l	99
69) o-Xylene	10.68	106	171474	52.679	ug/l	99
70) Styrene	10.70	104	306549	54.603	ug/l	100
71) Bromoform	10.84	173	66469	49.857	ug/l #	98
73) Isopropylbenzene	11.01	105	463868	50.910	ug/l	100
74) N-amyl acetate	10.88	43	205603	51.956	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	98736	47.952	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	135352m	51.475	ug/l	
77) Bromobenzene	11.24	156	104441	50.465	ug/l	99
78) n-propylbenzene	11.35	91	547270	50.873	ug/l	100
79) 2-Chlorotoluene	11.41	91	329295	51.930	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	402408	51.954	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	59344	50.838	ug/l #	53
82) 4-Chlorotoluene	11.49	91	390294	51.566	ug/l	98
83) tert-Butylbenzene	11.76	119	335855	51.569	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	412423	51.929	ug/l	99
85) sec-Butylbenzene	11.93	105	459910	51.576	ug/l	99
86) p-Isopropyltoluene	12.05	119	424350	52.187	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	201921	53.063	ug/l	97
88) 1,4-Dichlorobenzene	12.09	146	199240	50.847	ug/l	99
89) n-Butylbenzene	12.37	91	404996	52.849	ug/l	99
90) Hexachloroethane	12.58	117	68581	54.053	ug/l	94
91) 1,2-Dichlorobenzene	12.38	146	191744	51.966	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	31951	48.740	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	126633	53.197	ug/l	97
94) Hexachlorobutadiene	13.77	225	45805	54.283	ug/l	97
95) Naphthalene	13.82	128	448023	51.751	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	116922	51.915	ug/l	99

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

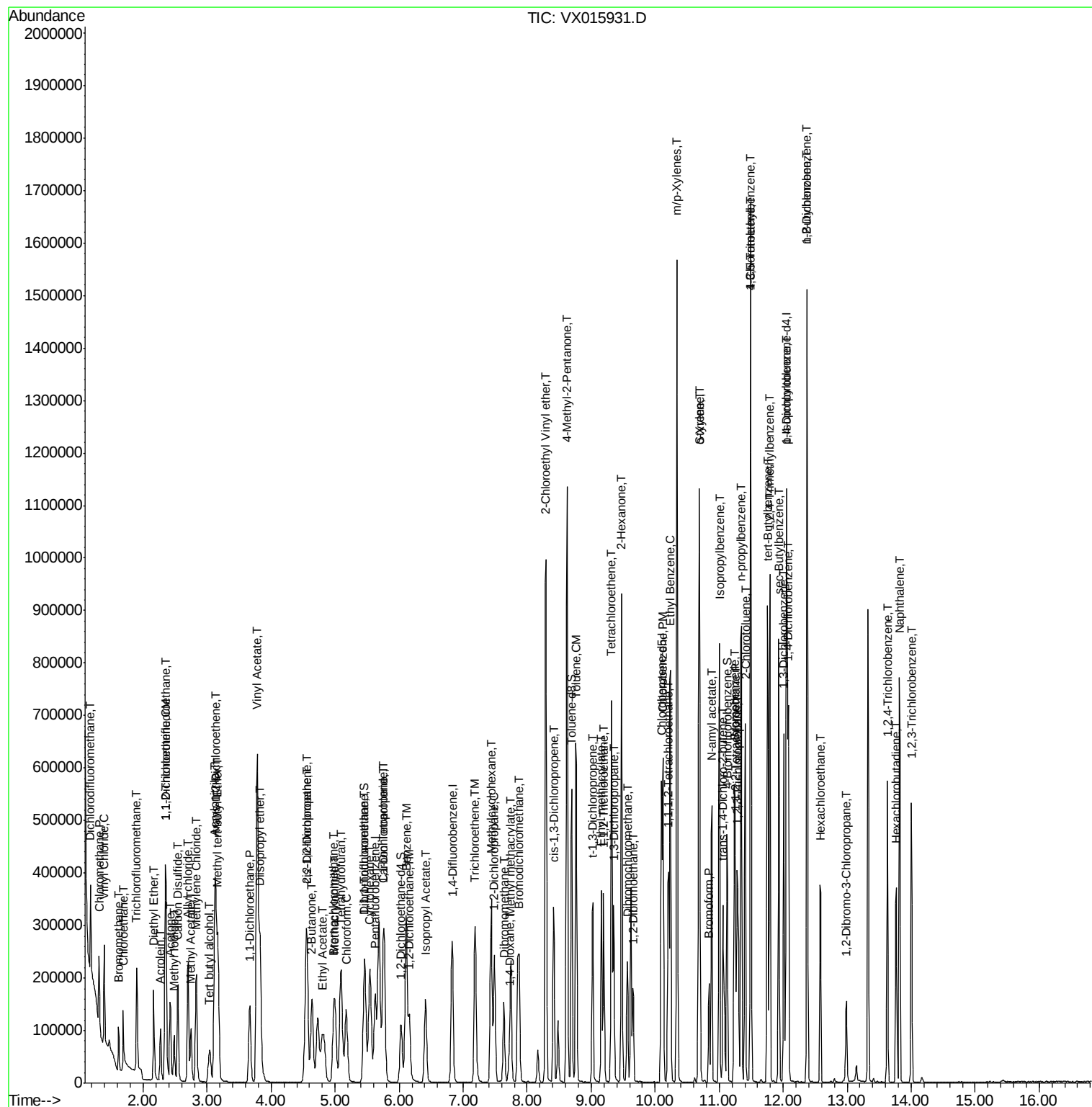
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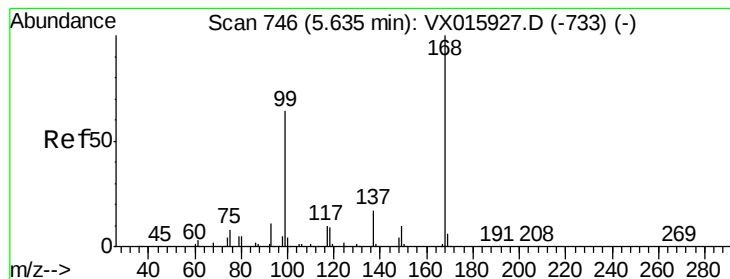
Instrument :
 MSVOA_X
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

Instrument :

MSVOA_X

ClientSampleId :

ICVVX042420

Tot Ion:168 Resp: 152252

Ion Ratio Lower Upper

168 100

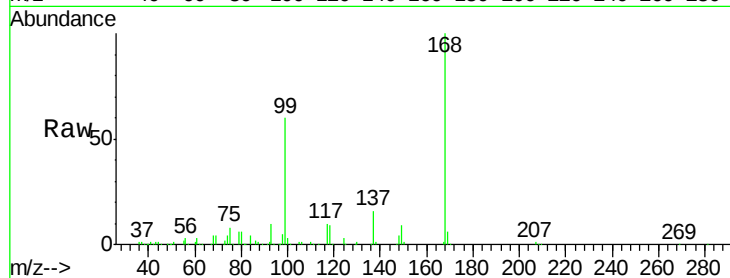
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Manual Integrations

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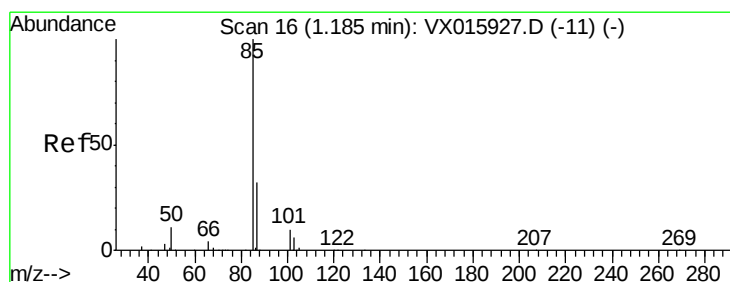
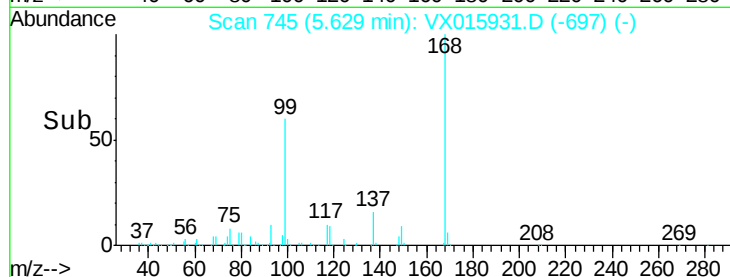
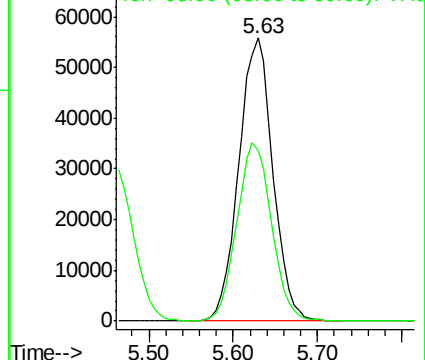
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 51.579 ug/l

RT: 1.18 min Scan# 15

Delta R.T. -0.01 min

Lab File: VX015931.D

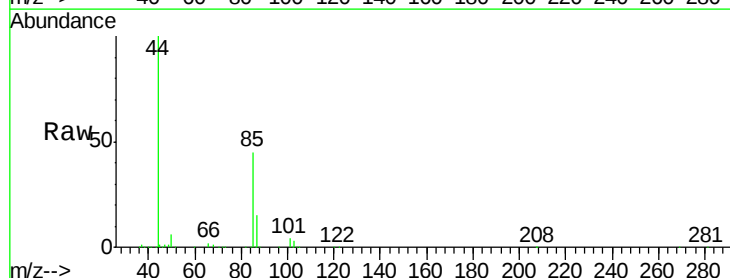
Acq: 24 Apr 2020 15:03

Tgt Ion: 85 Resp: 86341

Ion Ratio Lower Upper

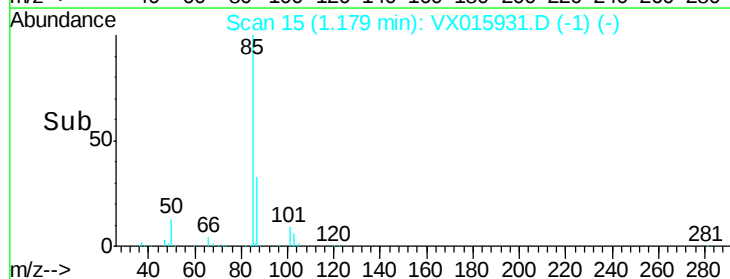
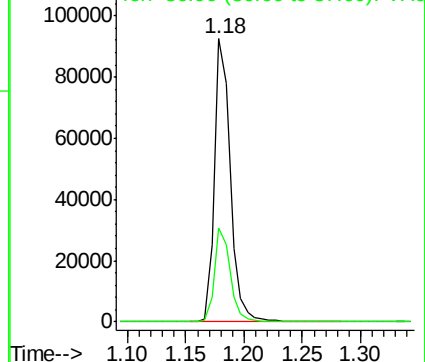
85 100

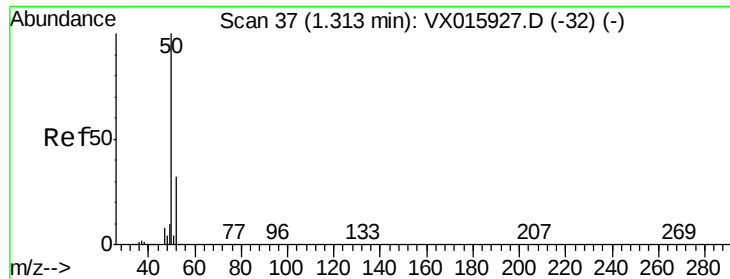
87 33.1 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 48.403 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

Instrument :

MSVOA_X

ClientSampleId :

ICVVX042420

Tot Ion: 50 Resp: 83504

Ion Ratio Lower Upper

50 100

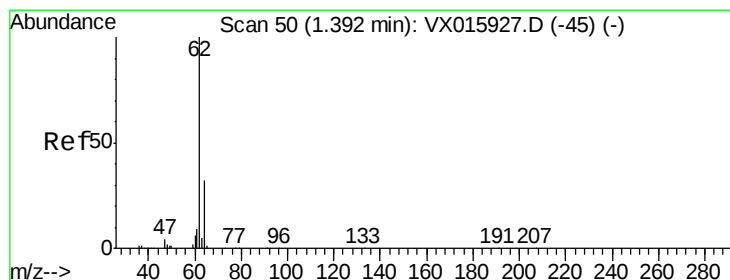
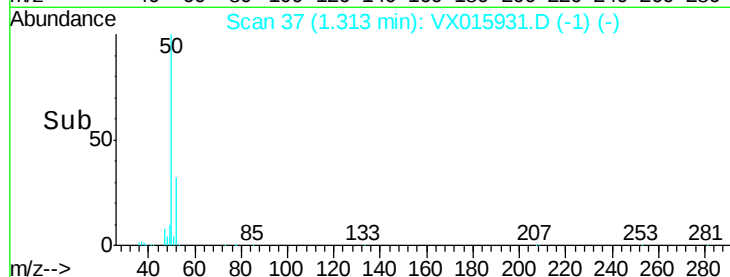
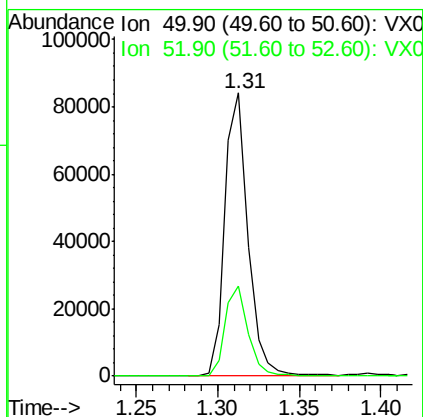
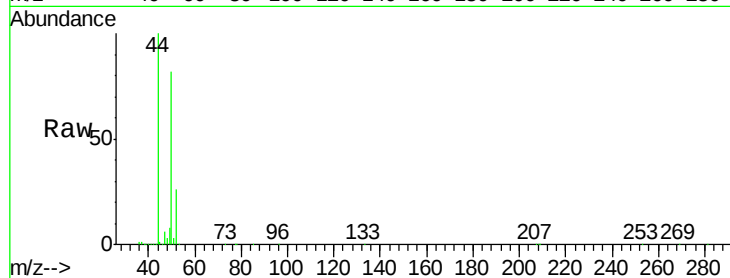
52 32.0 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.547 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX015931.D

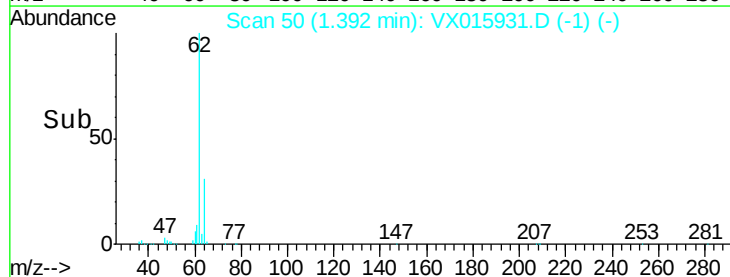
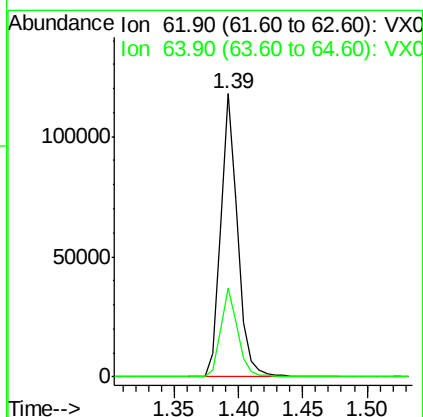
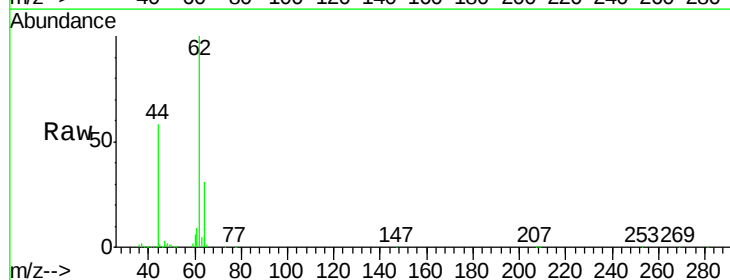
Acq: 24 Apr 2020 15:03

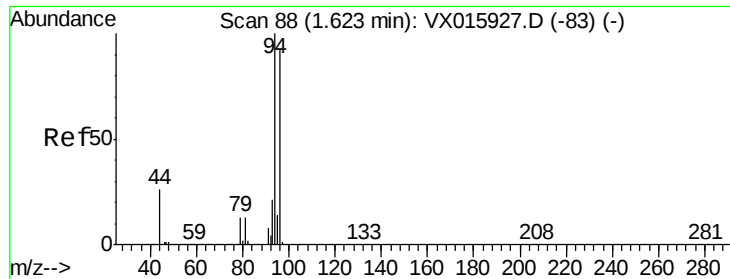
Tgt Ion: 62 Resp: 109389

Ion Ratio Lower Upper

62 100

64 31.3 25.5 38.3





#5

Bromomethane

Concen: 34.961 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.01 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

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Tot Ion: 94 Resp: 27830

Ion Ratio Lower Upper

94 100

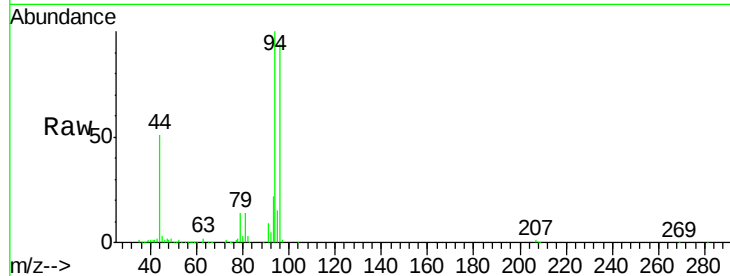
96 93.5 74.8 112.2

Manual Integrations

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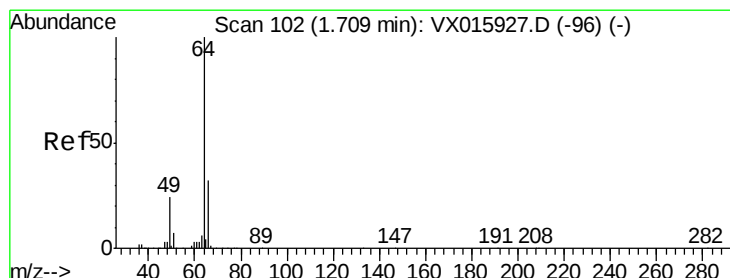
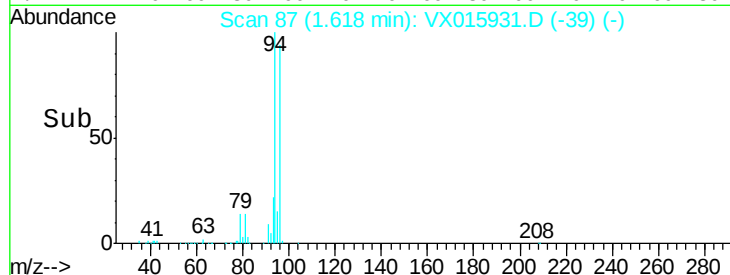
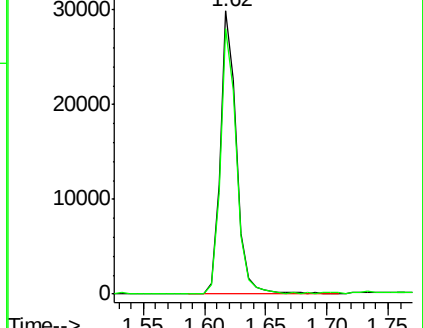
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 35.841 ug/l

RT: 1.69 min Scan# 99

Delta R.T. -0.02 min

Lab File: VX015931.D

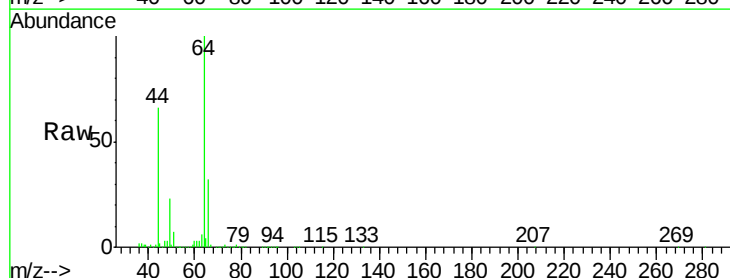
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Tgt Ion: 64 Resp: 47632

Ion Ratio Lower Upper

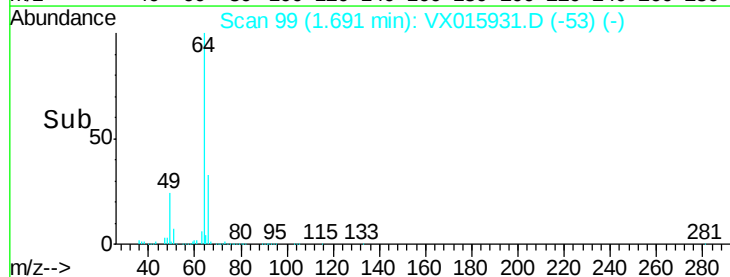
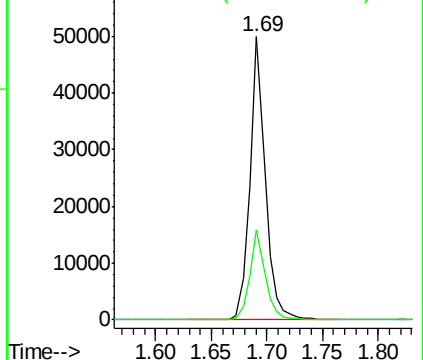
64 100

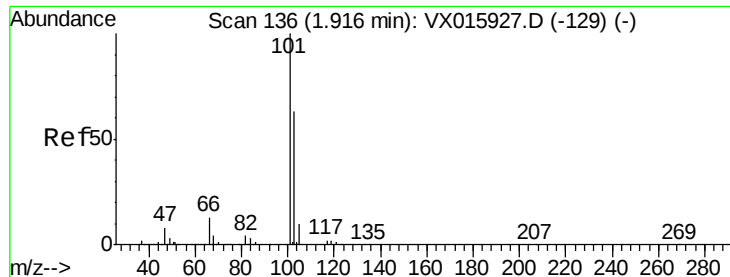
66 31.9 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

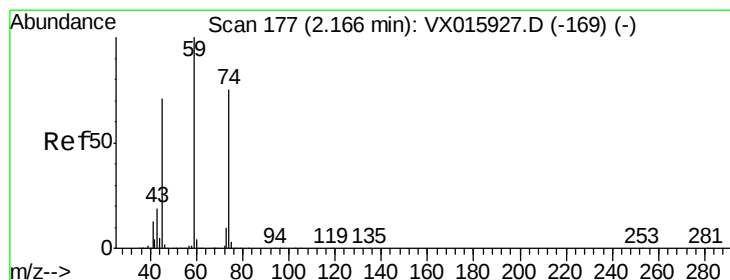
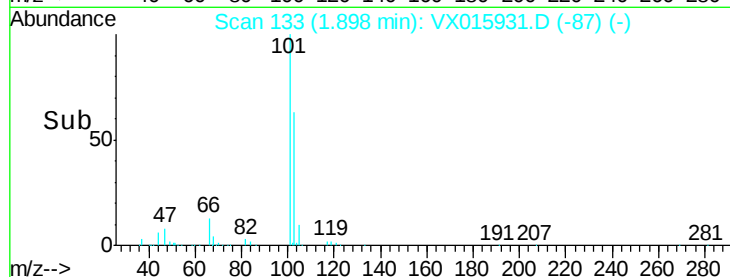
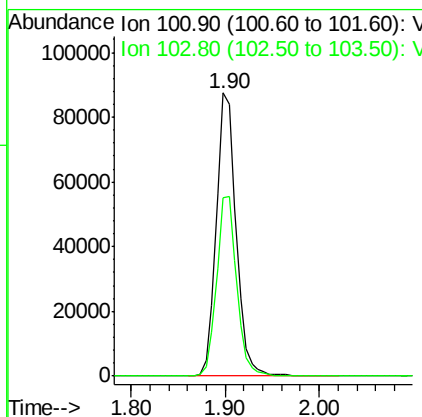
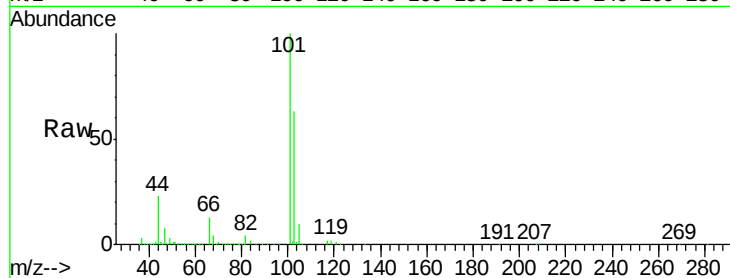
Trichlorofluoromethane
 Concen: 49.505 ug/l
 RT: 1.90 min Scan# 133
 Delta R.T. -0.02 min
 Lab File: VX015931.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	50.8	76.2

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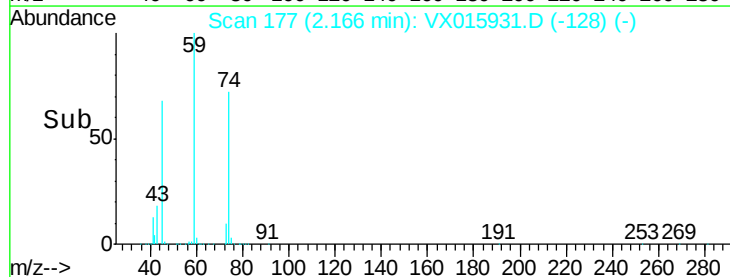
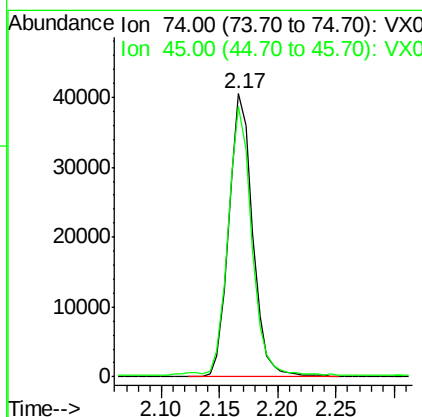
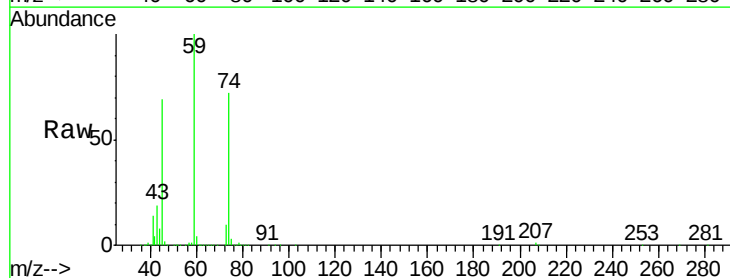
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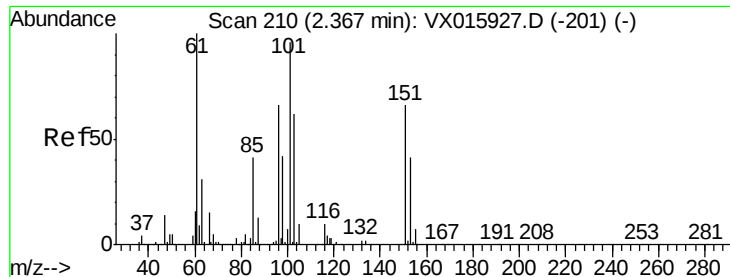


#8

Diethyl Ether
 Concen: 46.968 ug/l
 RT: 2.17 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VX015931.D
 Acq: 24 Apr 2020 15:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.9	46.9	140.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.713 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.01 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

Instrument :

MSVOA_X

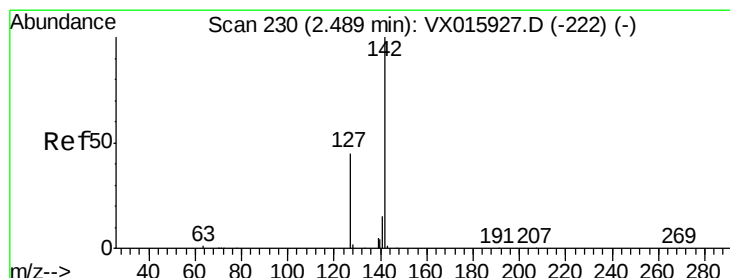
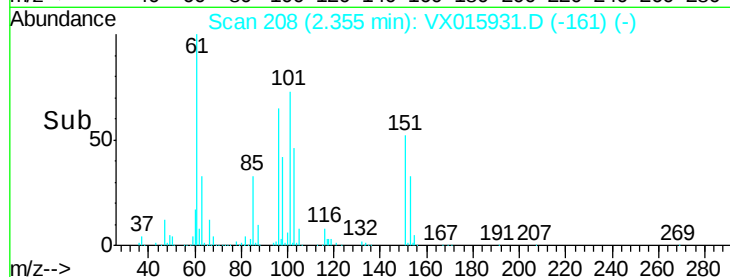
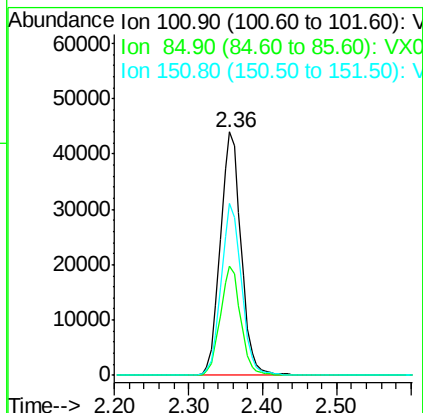
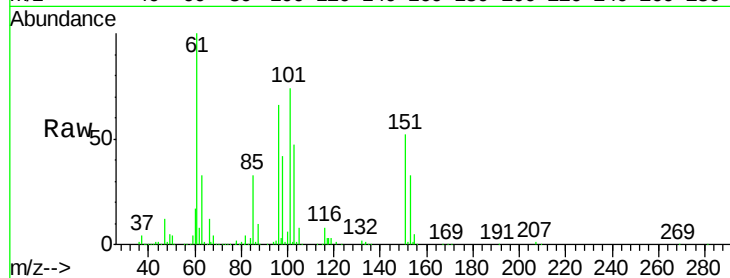
ClientSampleId :

ICVVX042420

Tot Ion:	101	Resp:	85078
Ion Ratio	Lower	Upper	
101	100		
85	43.5	34.9	52.3
151	69.2	55.8	83.6

Manual Integrations
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MMDadoda
4/27/2020 12:39:59 PM



#10

Methyl Iodide

Concen: 46.408 ug/l

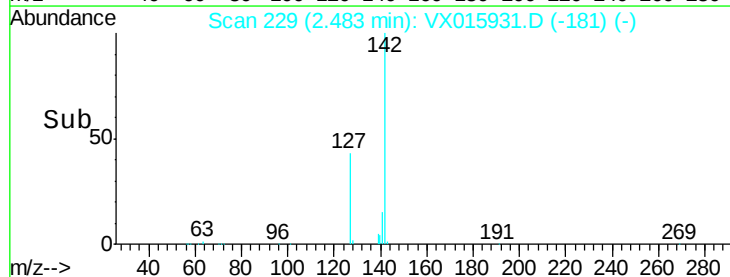
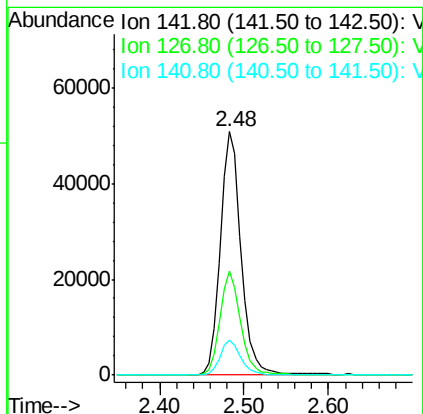
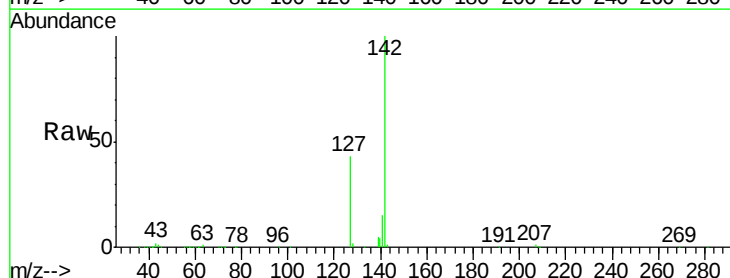
RT: 2.48 min Scan# 229

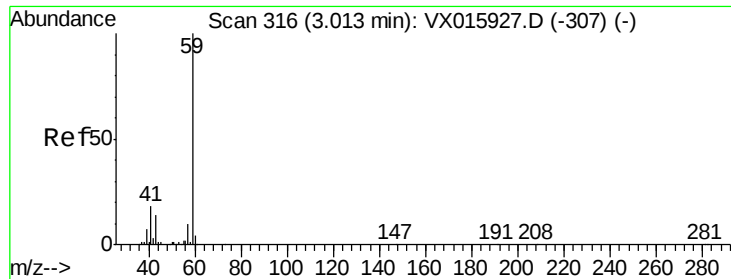
Delta R.T. -0.01 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

Tgt Ion:	142	Resp:	87163
Ion Ratio	Lower	Upper	
142	100		
127	42.2	34.4	51.6
141	14.1	11.5	17.3





#11

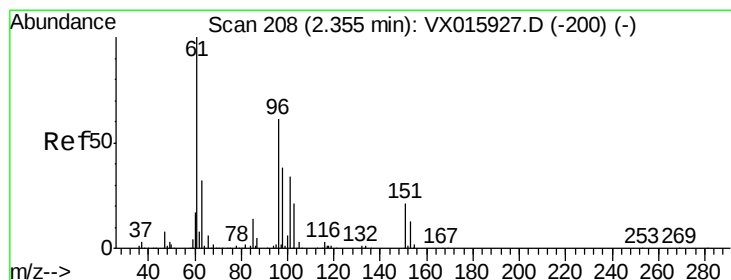
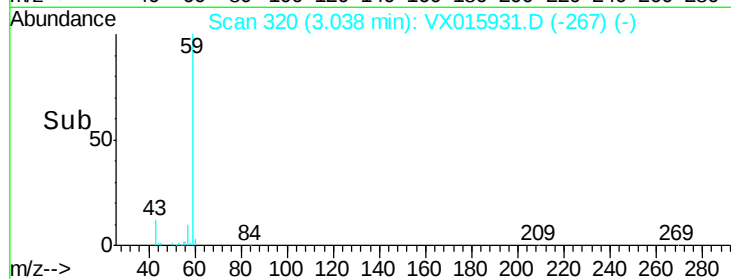
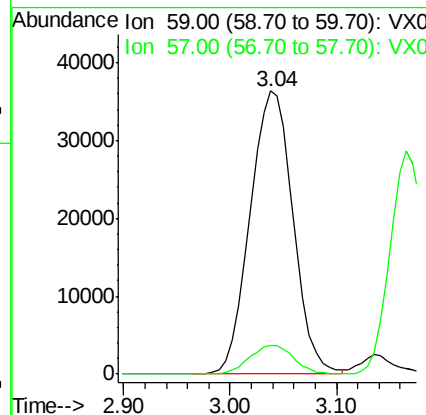
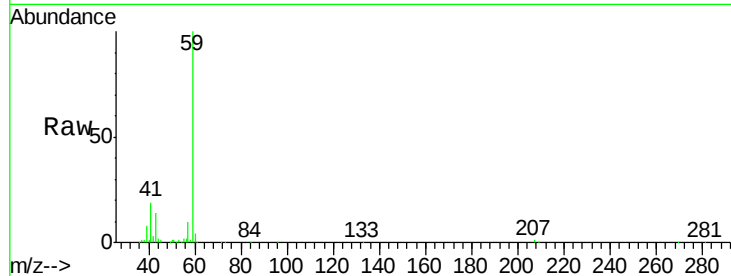
Tert butyl alcohol
Concen: 222.686 ug/l
RT: 3.04 min Scan# 320
Delta R.T. 0.02 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Instrument :
MSVOA_X
ClientSampleId :
ICVVX042420

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	102854		
57	57	10.4		8.4	12.6

Manual Integrations
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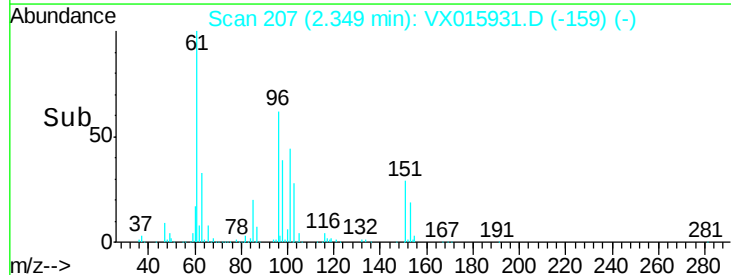
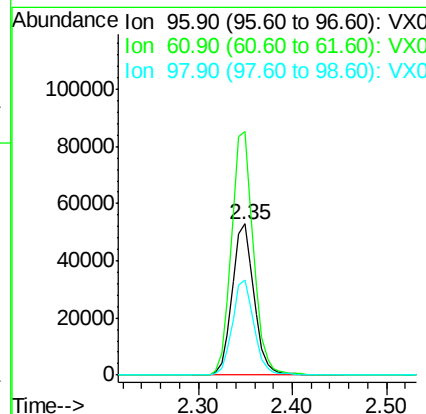
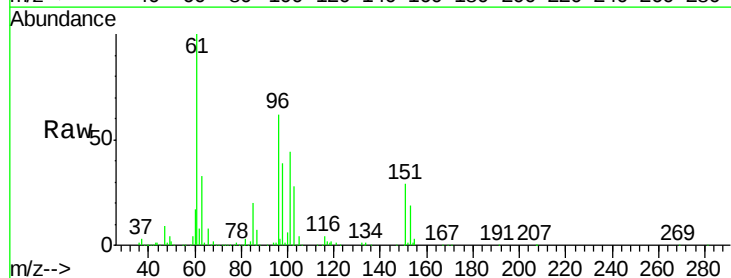
MMDadoda
4/27/2020 12:39:59 PM

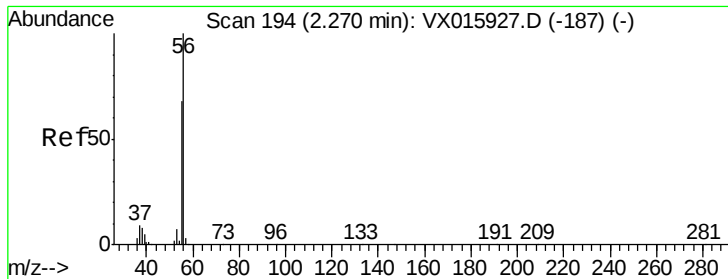


#12

1,1-Dichloroethene
Concen: 49.239 ug/l
RT: 2.35 min Scan# 207
Delta R.T. -0.01 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	84877		
61	61	161.2		131.2	196.8
98	98	62.9		50.2	75.4





#13

Acrolein

Concen: 254.003 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

Instrument :

MSVOA_X

ClientSampleId :

ICVVX042420

Tot Ion: 56 Resp: 72810

Ion Ratio Lower Upper

56 100

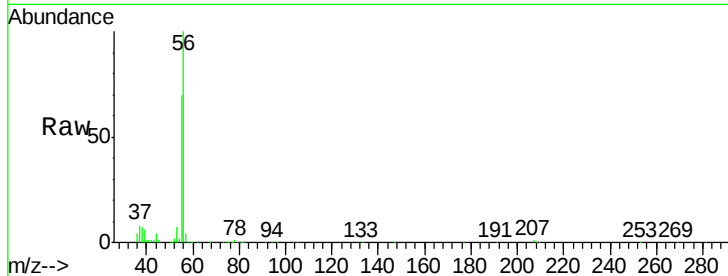
55 70.5 56.0 84.0

Manual Integrations

APPROVED

MMDadoda

4/27/2020 12:39:59 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.27

50000

40000

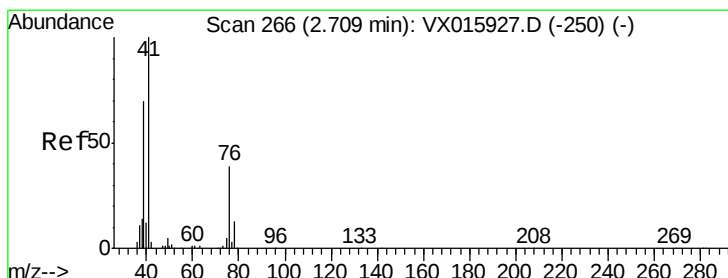
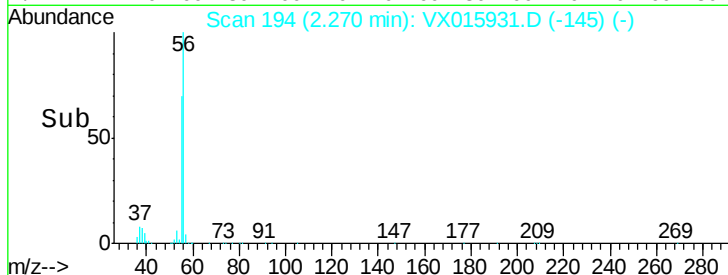
30000

20000

10000

0

Time-->



#14

Allyl chloride

Concen: 48.650 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

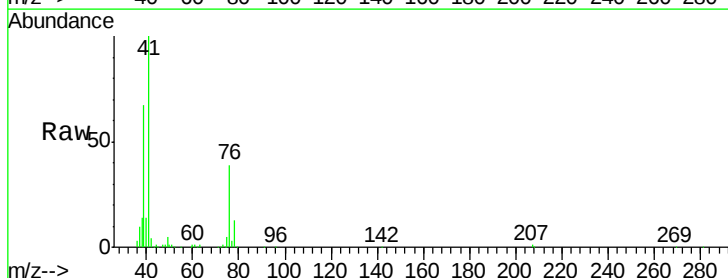
Tgt Ion: 41 Resp: 148218

Ion Ratio Lower Upper

41 100

39 64.5 51.6 77.4

76 37.5 29.3 43.9



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

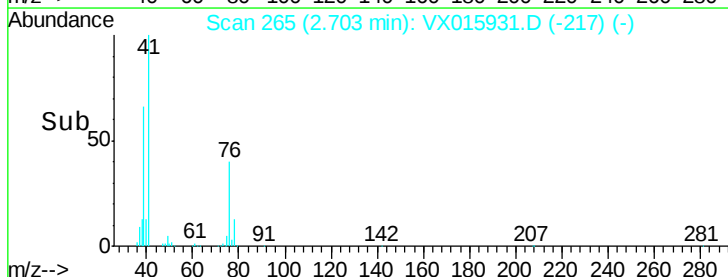
150000

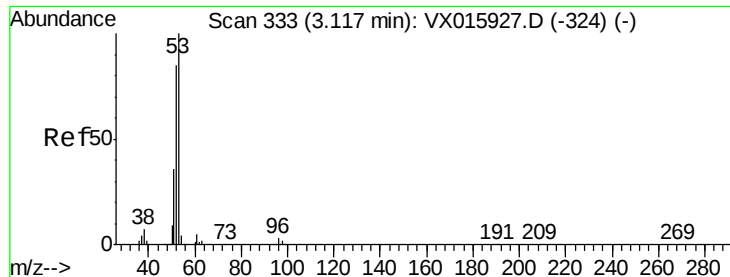
100000

50000

0

Time-->





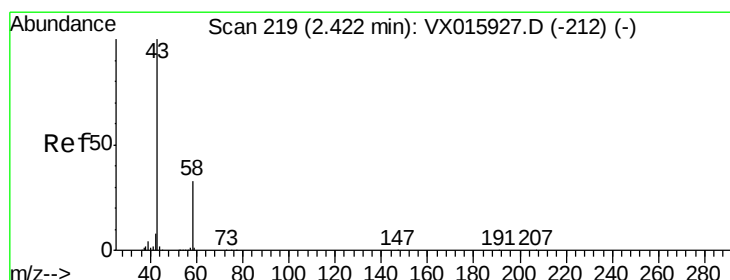
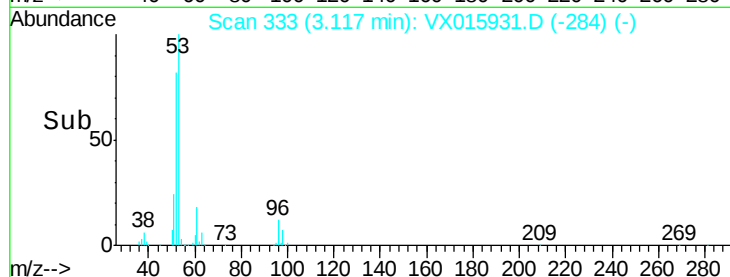
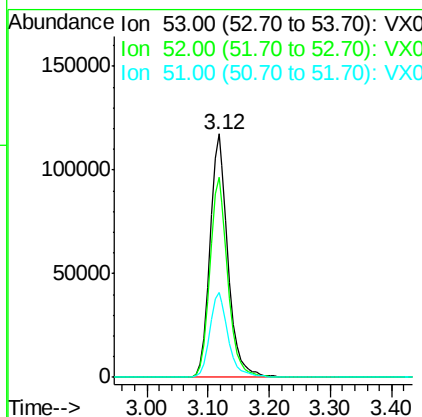
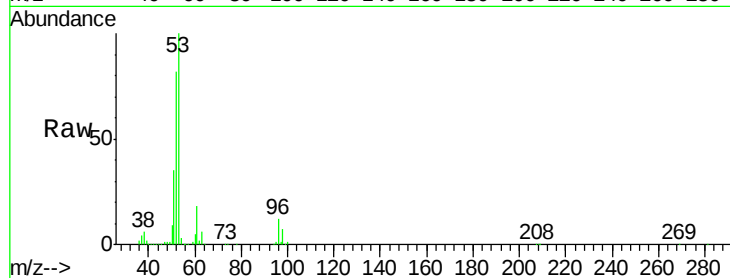
#15
 Acrylonitrile
 Concen: 241.436 ug/l
 RT: 3.12 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VX015931.D
 Acq: 24 Apr 2020 15:03

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX042420

Tot Ion:	53	Resp:	243734
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.5	98.3
51	35.4	28.2	42.2

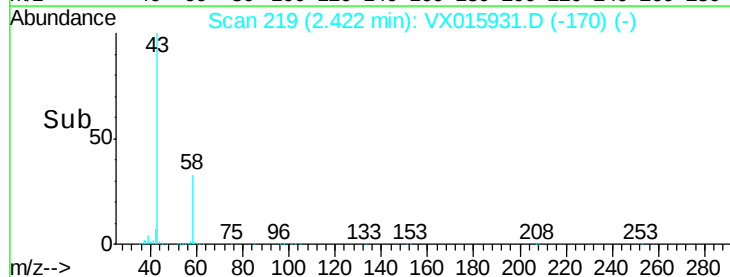
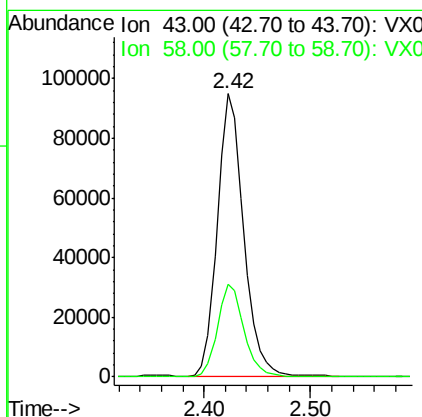
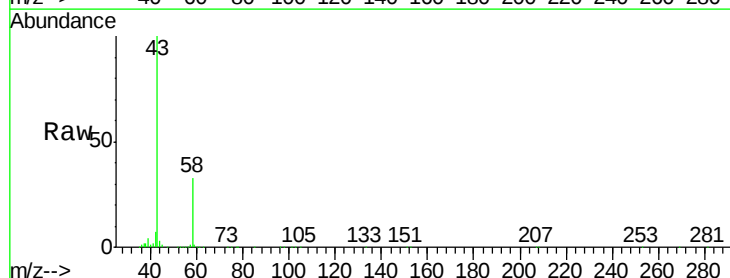
Manual Integrations
 APPROVED

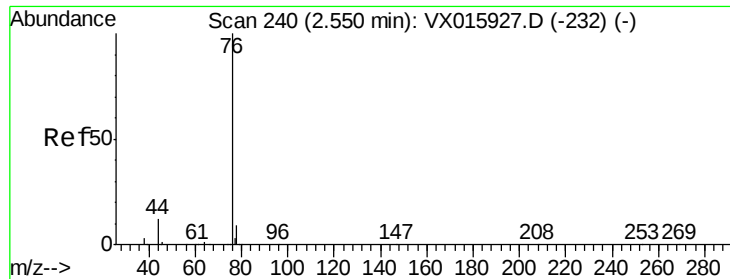
MMDadoda
 4/27/2020 12:39:59 PM



#16
 Acetone
 Concen: 201.666 ug/l
 RT: 2.42 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VX015931.D
 Acq: 24 Apr 2020 15:03

Tgt Ion:	43	Resp:	162619
Ion	Ratio	Lower	Upper
43	100		
58	32.7	26.4	39.6





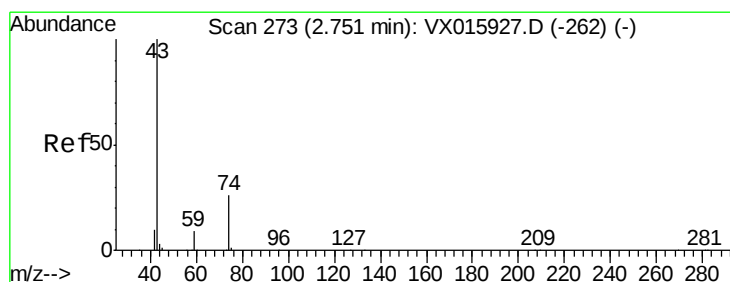
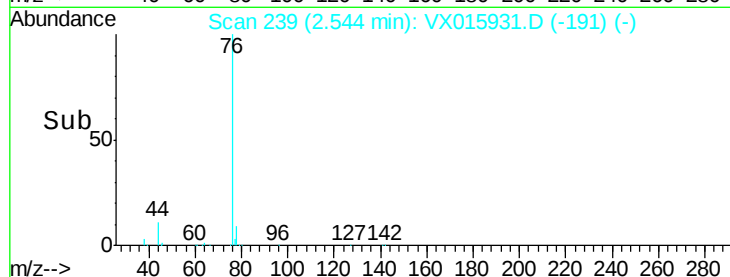
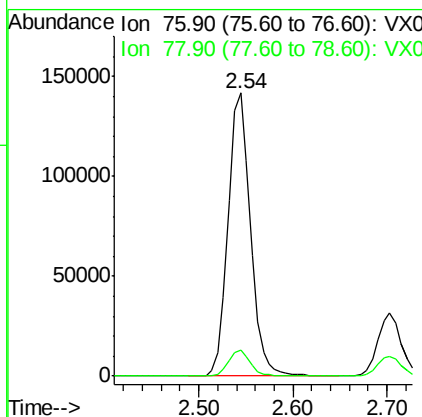
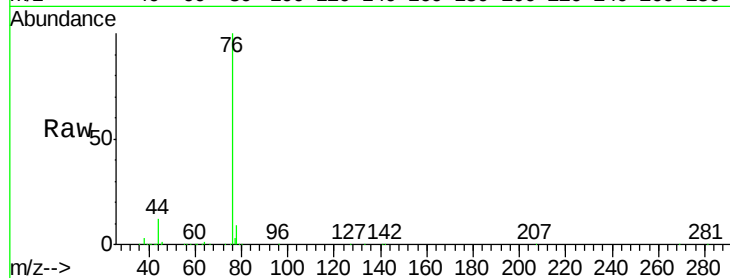
#17
Carbon Disulfide
Concen: 49.395 ug/l
RT: 2.54 min Scan# 239
Delta R.T. -0.01 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Instrument :
MSVOA_X
ClientSampleId :
ICVVX042420

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

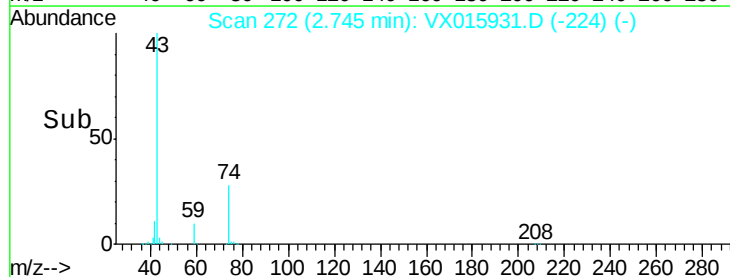
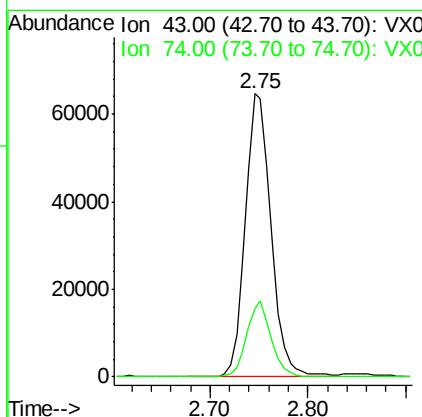
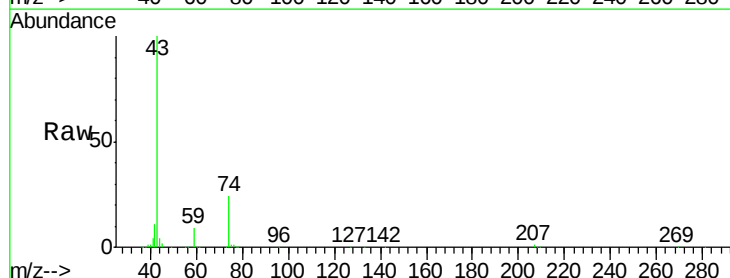
Manual Integrations
APPROVED

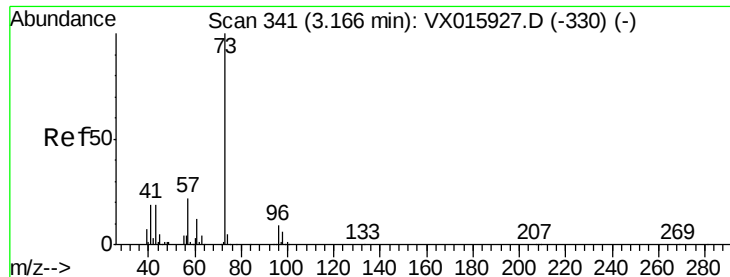
MMDadoda
4/27/2020 12:39:59 PM



#18
Methyl Acetate
Concen: 48.080 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.0	21.0	31.4





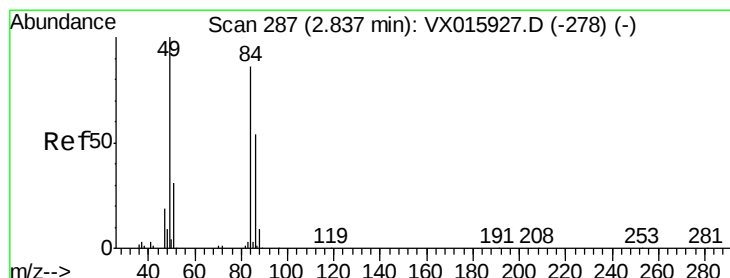
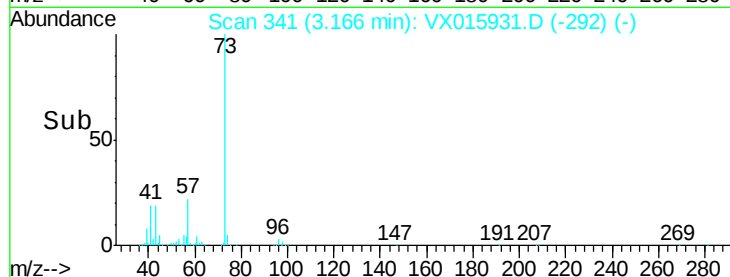
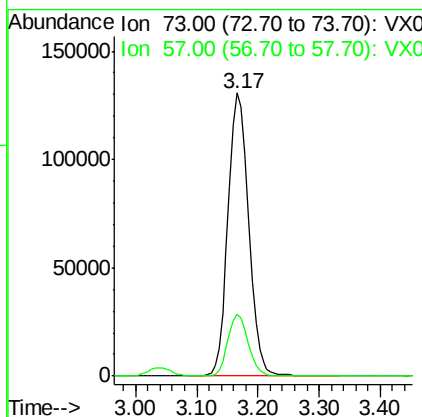
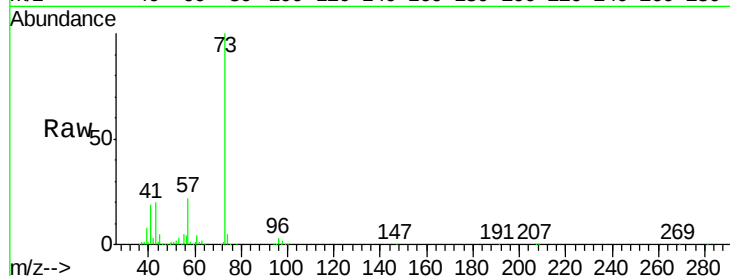
#19
Methvl tert-butvl Ether
Concen: 49.364 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Instrument :
MSVOA_X
ClientSampleId :
ICVVX042420

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.3	25.9

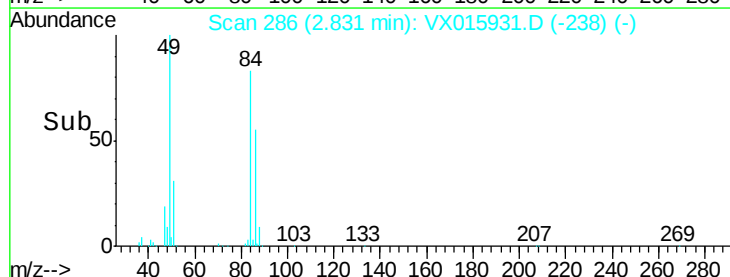
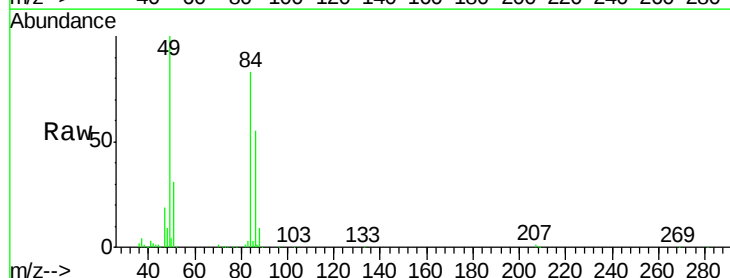
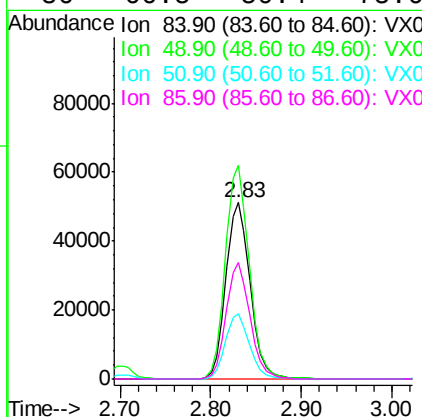
Manual Integrations
APPROVED

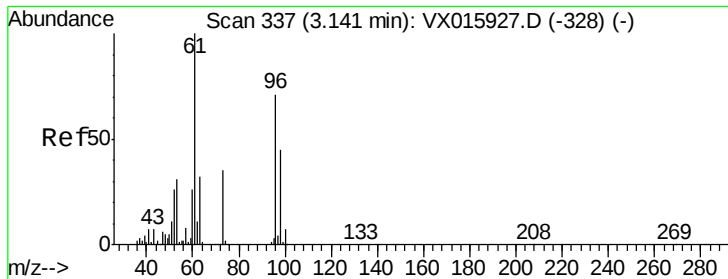
MMDadoda
4/27/2020 12:39:59 PM



#20
Methylene Chloride
Concen: 47.753 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.2	93.0	139.6
51	37.3	28.6	43.0
86	66.5	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 48.673 ug/l

RT: 3.14 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

Instrument :

MSVOA_X

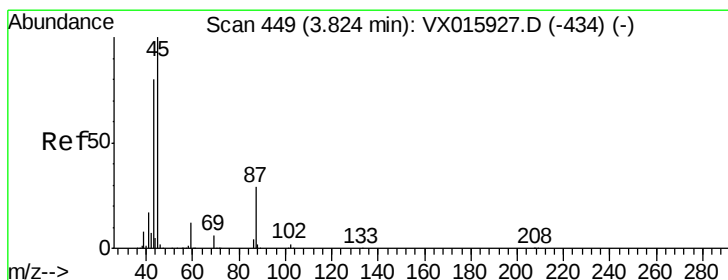
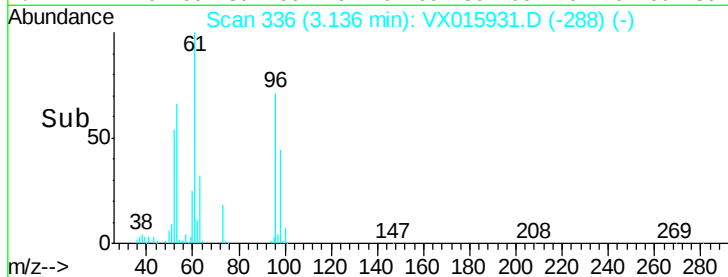
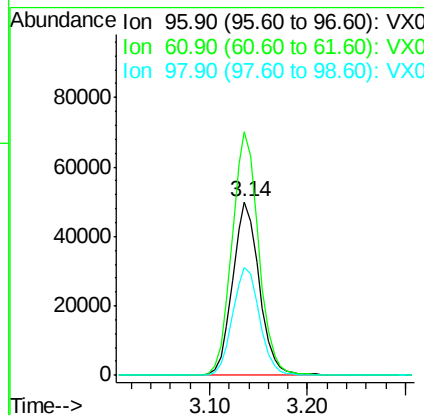
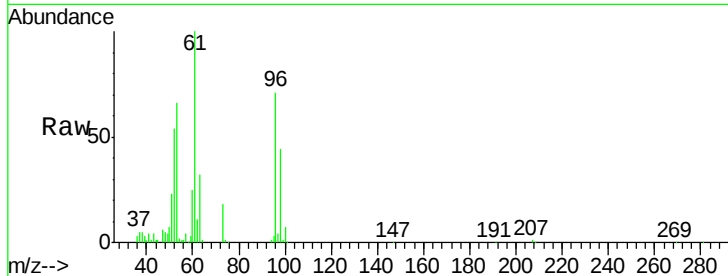
ClientSampleId :

ICVVX042420

Tot Ion:	96	Resp:	93742
Ion	Ratio	Lower	Upper
96	100		
61	140.4	112.7	169.1
98	62.0	51.0	76.4

Manual Integrations
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MMDadoda
4/27/2020 12:39:59 PM



#22

Diisopropyl ether

Concen: 48.916 ug/l

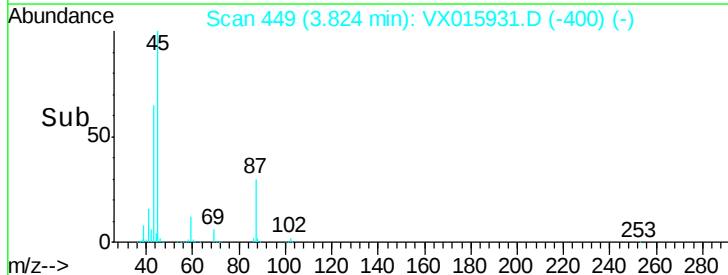
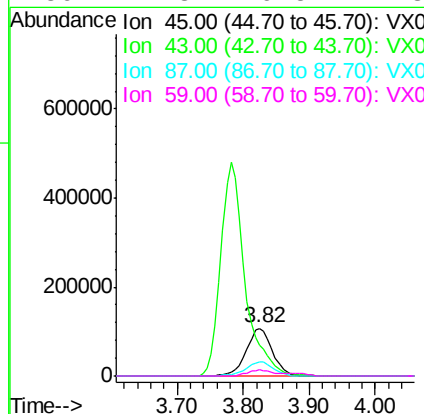
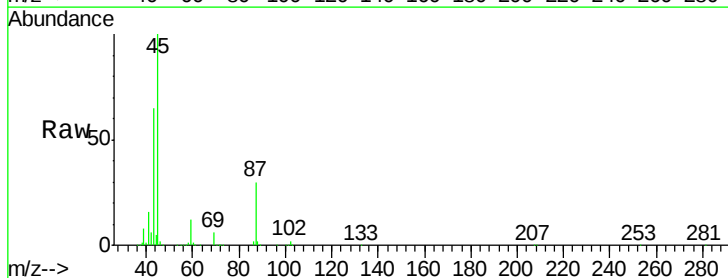
RT: 3.82 min Scan# 449

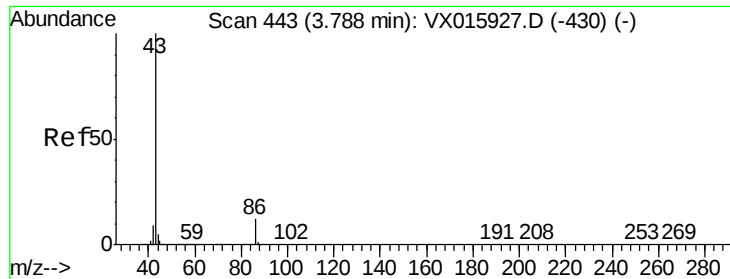
Delta R.T. 0.00 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

Tgt Ion:	45	Resp:	294299
Ion	Ratio	Lower	Upper
45	100		
43	65.2	63.8	95.6
87	29.7	22.9	34.3
59	12.3	9.5	14.3





#23

Vinyl Acetate

Concen: 249.967 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

Instrument :

MSVOA_X

ClientSampleID :

ICVVX042420

Tot Ion: 43 Resp: 1228710

Ion Ratio Lower Upper

43 100

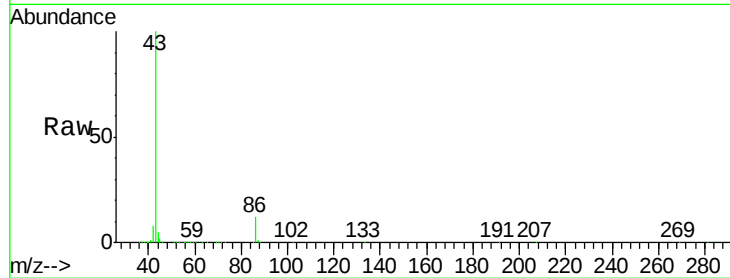
86 11.8 9.4 14.2

Manual Integrations

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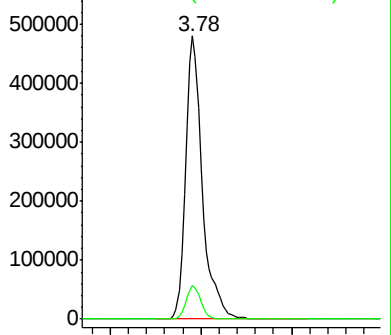
MMDadoda

4/27/2020 12:39:59 PM

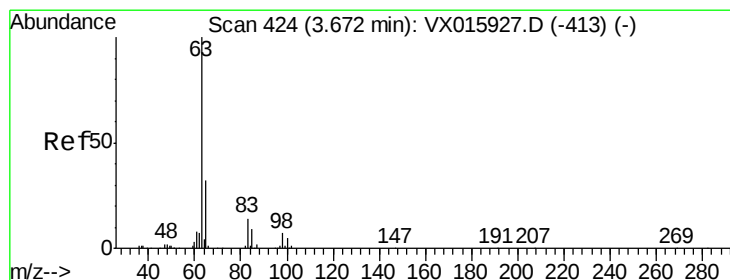
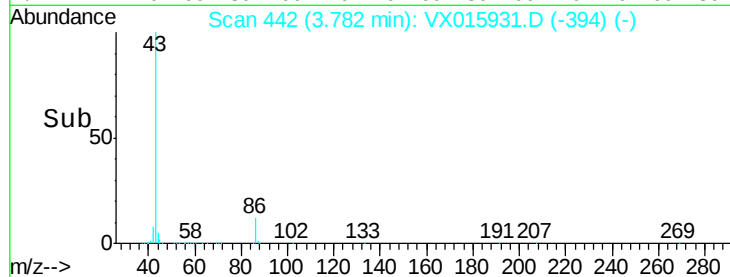


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 49.374 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

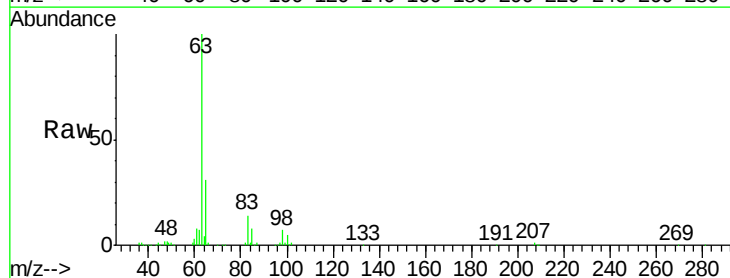
Tgt Ion: 63 Resp: 169936

Ion Ratio Lower Upper

63 100

98 7.3 3.7 11.1

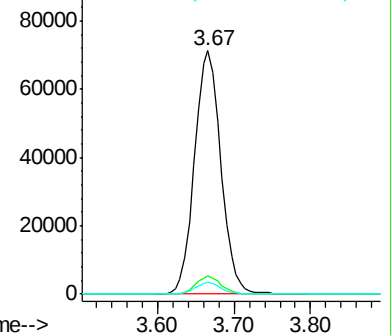
100 4.7 2.3 6.9



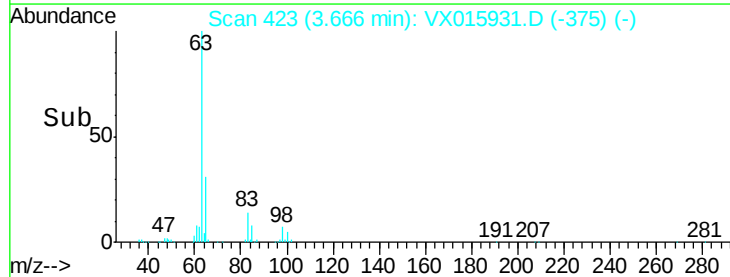
Abundance Ion 62.90 (62.60 to 63.60): VX0

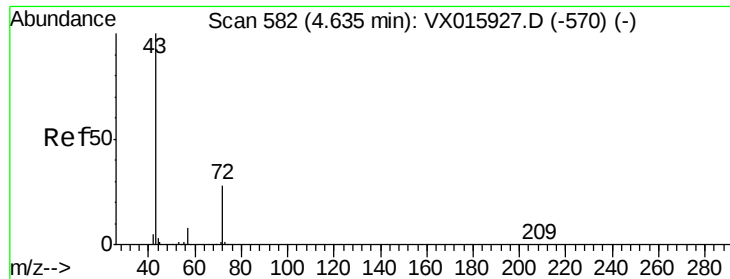
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->





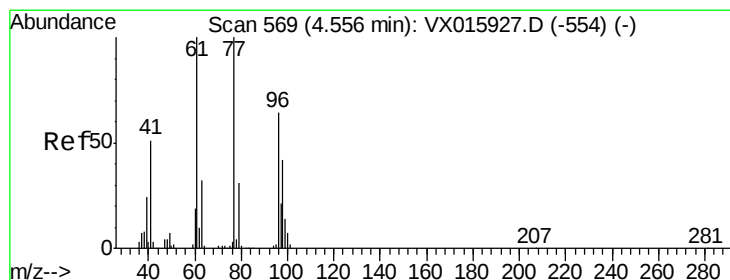
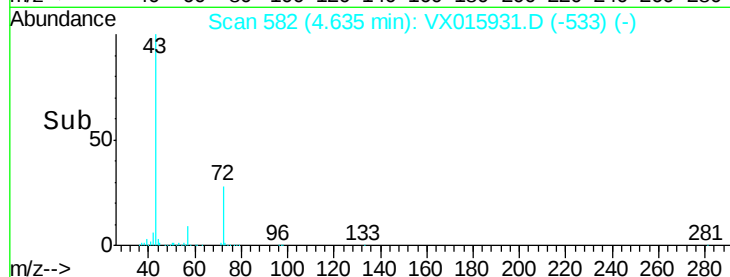
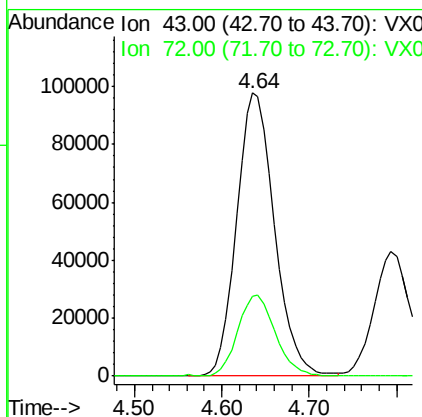
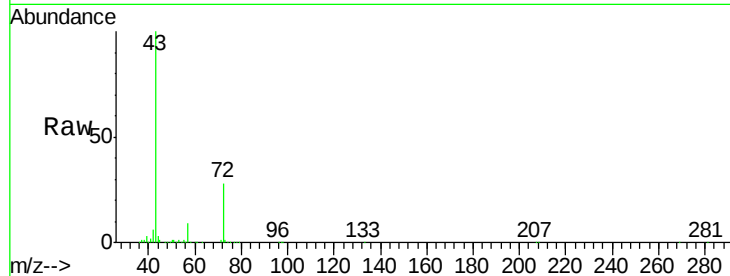
#25
2-Butanone
Concen: 222.780 ug/l
RT: 4.64 min Scan# 582
Delta R.T. 0.00 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Instrument :
MSVOA_X
ClientSampleId :
ICVVX042420

Tot Ion	43	Resp	292505
Ion Ratio	100	Lower	Upper
72	28.0	22.4	33.6

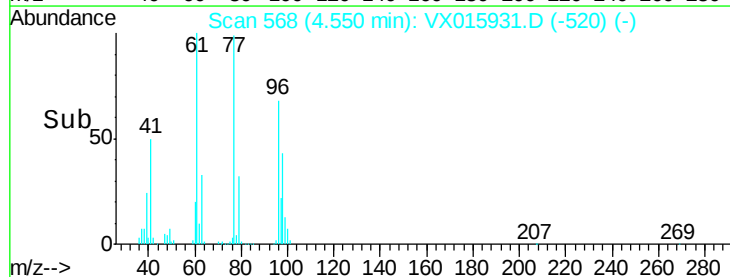
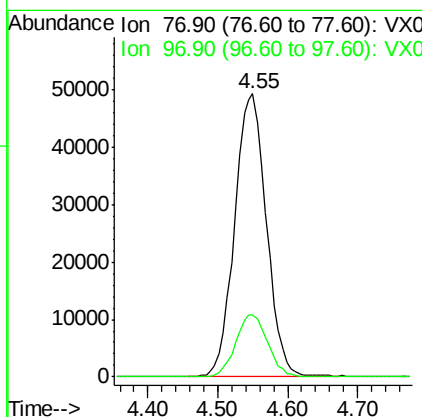
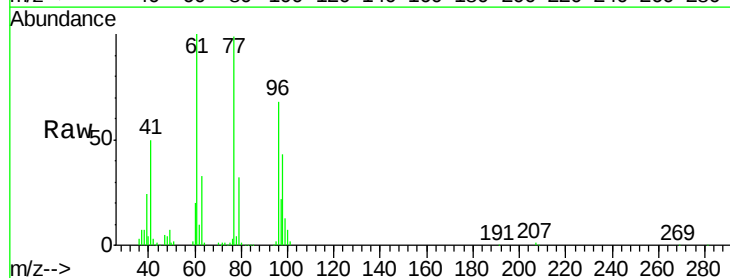
Manual Integrations
APPROVED

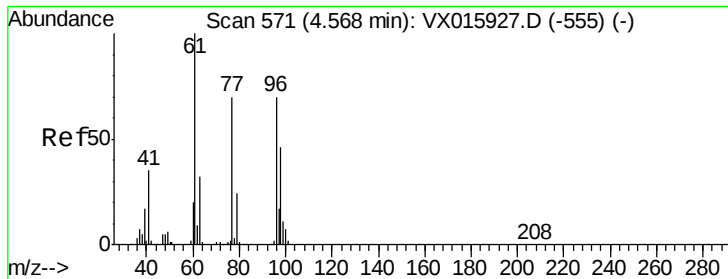
MMDadoda
4/27/2020 12:39:59 PM



#26
2,2-Dichloropropane
Concen: 51.083 ug/l
RT: 4.55 min Scan# 568
Delta R.T. -0.01 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Tgt Ion	77	Resp	155140
Ion Ratio	100	Lower	Upper
97	22.2	11.3	33.9





#27

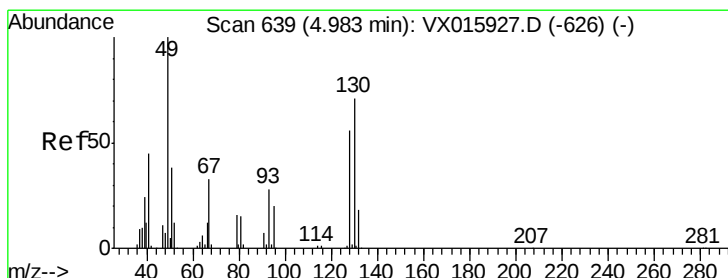
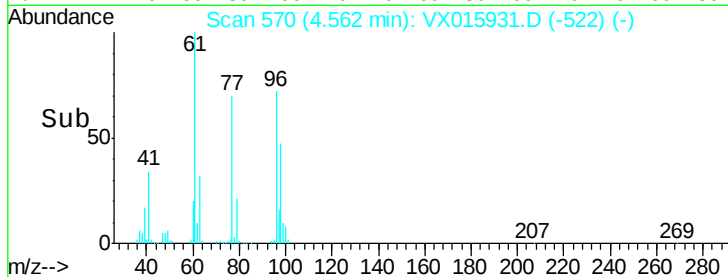
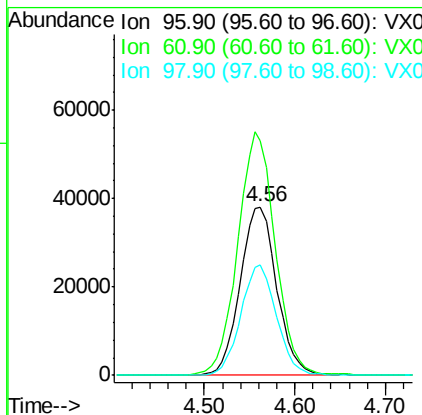
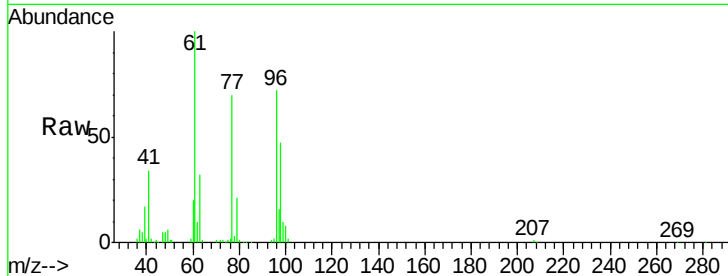
cis-1,2-Dichloroethene
Concen: 48.620 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Instrument :
MSVOA_X
ClientSampleId :
ICVVX042420

Tot Ion	Ratio	Resp	Lower	Upper
96	100	106225		
61	148.9	0.0	293.4	
98	64.2	0.0	129.0	

Manual Integrations
APPROVED

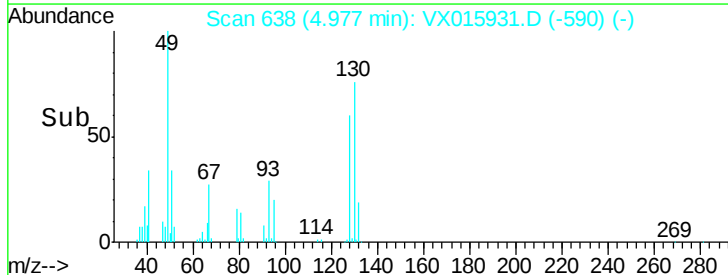
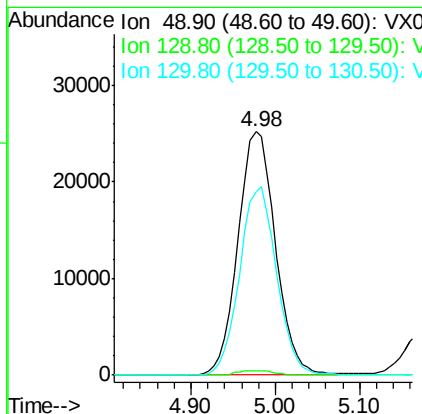
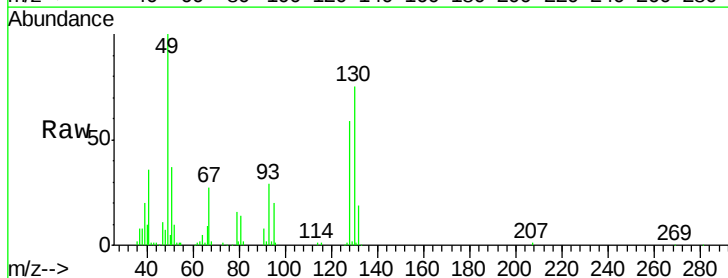
MMDadoda
4/27/2020 12:39:59 PM

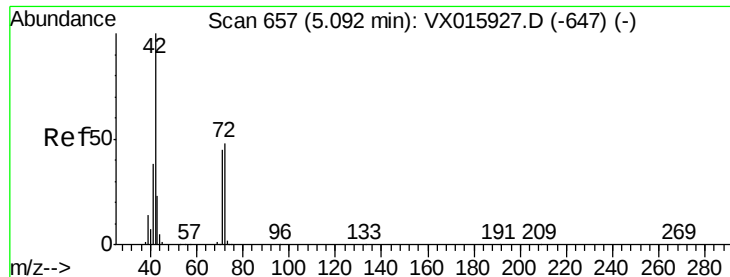


#28

Bromochloromethane
Concen: 50.023 ug/l
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	76107		
129	1.9	0.0	3.8	
130	76.4	60.7	91.1	





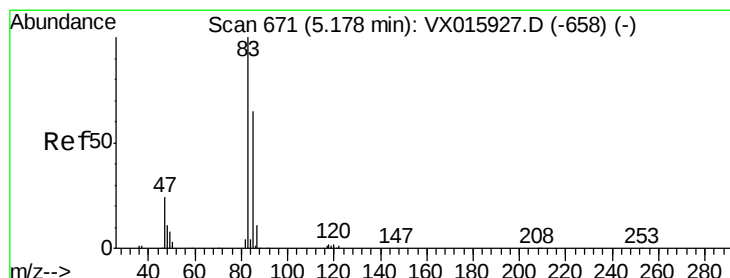
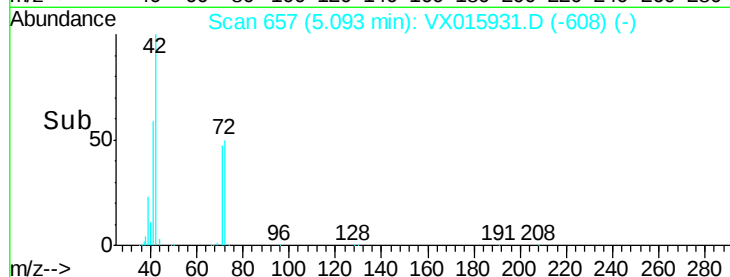
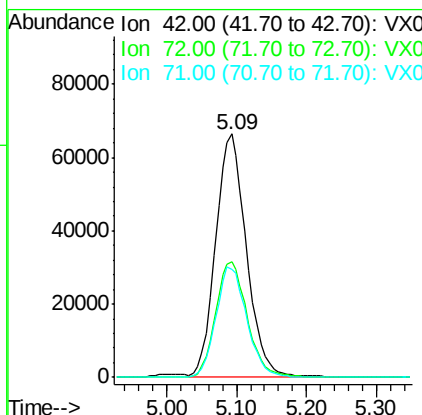
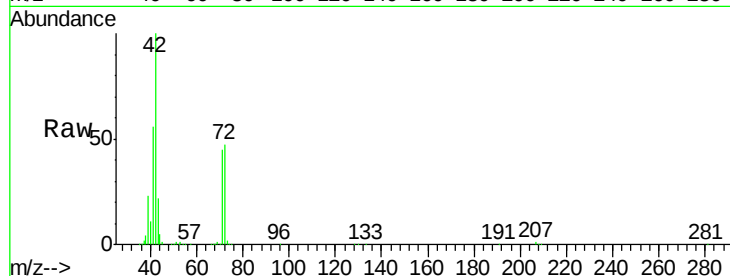
#29
Tetrahydrofuran
Concen: 232.604 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Instrument :
MSVOA_X
ClientSampleId :
ICVVX042420

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.5	39.5	59.3
71	46.1	36.4	54.6

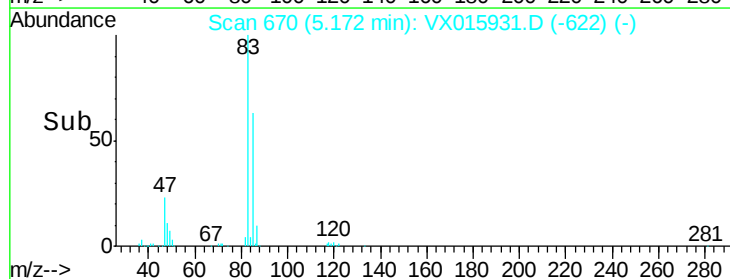
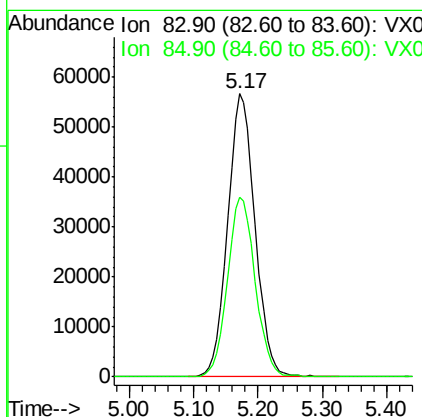
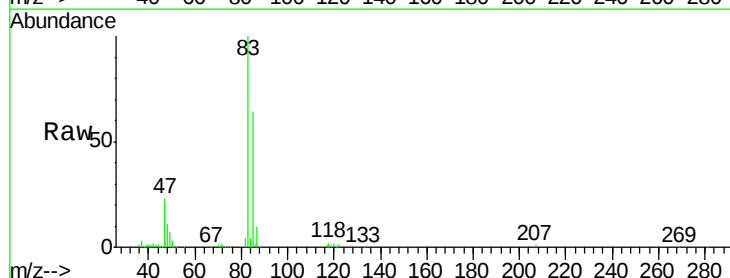
Manual Integrations
APPROVED

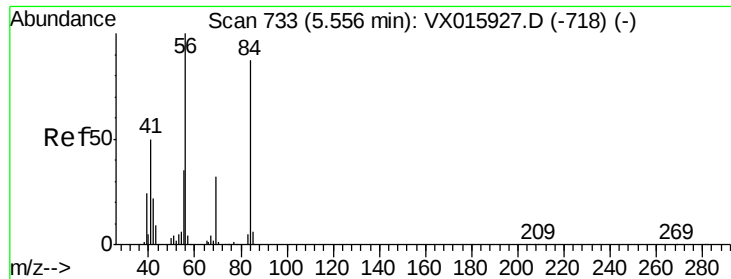
MMDadoda
4/27/2020 12:39:59 PM



#30
Chloroform
Concen: 49.619 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.7	77.5





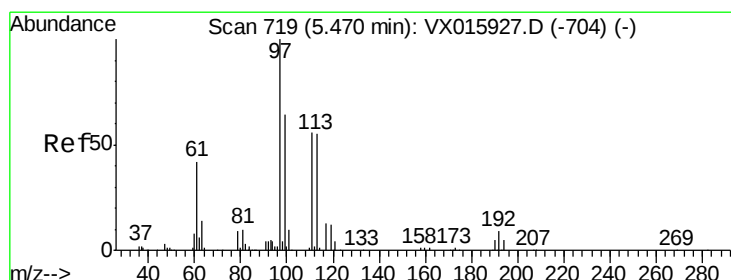
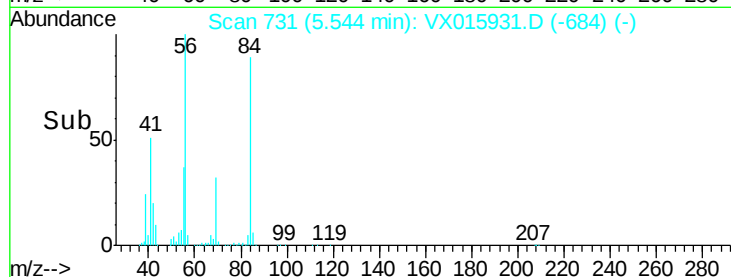
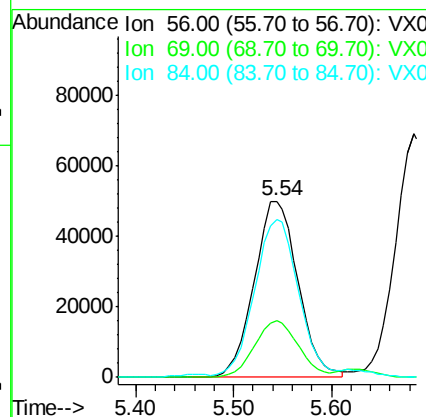
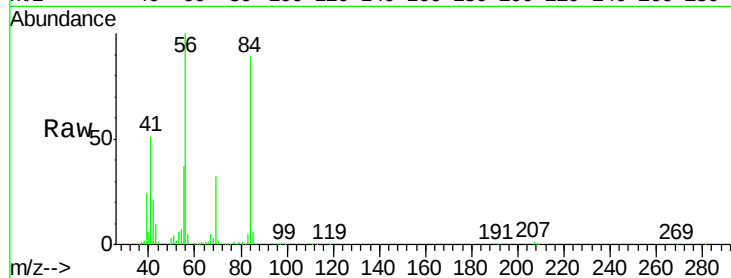
#31
Cyclohexane
Concen: 48.531 ug/l
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Instrument :
MSVOA_X
ClientSampleId :
ICVVX042420

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	32.4	25.4	38.0	
84	88.0	69.5	104.3	

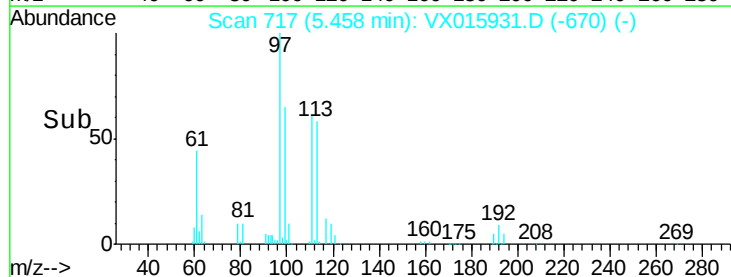
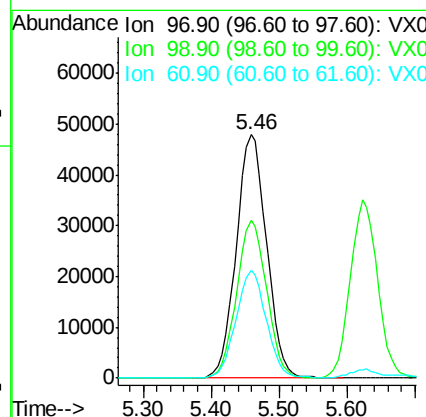
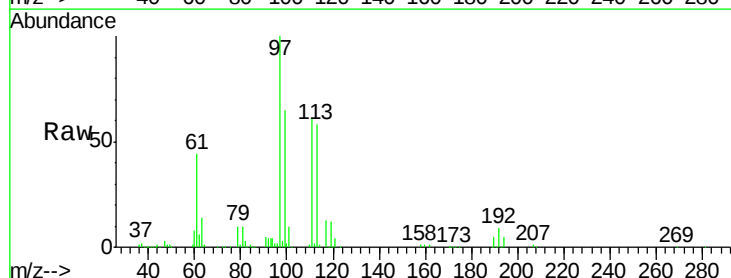
Manual Integrations
APPROVED

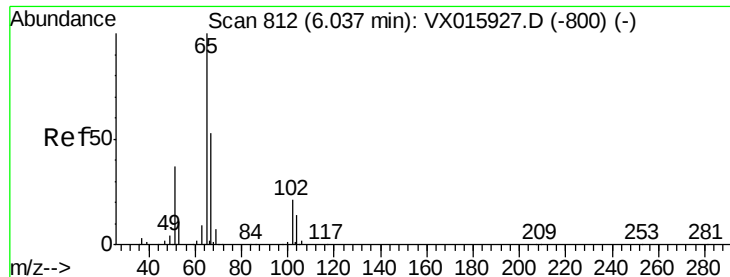
MMDadoda
4/27/2020 12:39:59 PM



#32
1,1,1-Trichloroethane
Concen: 48.594 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.0	51.1	76.7	
61	44.1	35.0	52.4	





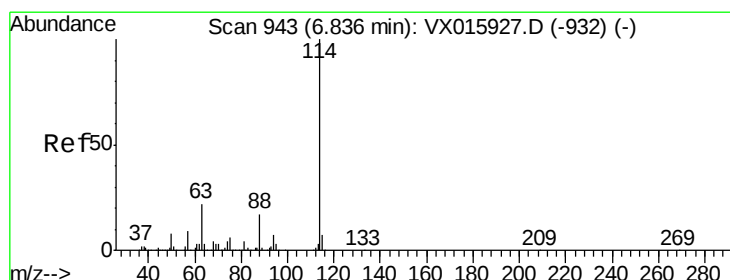
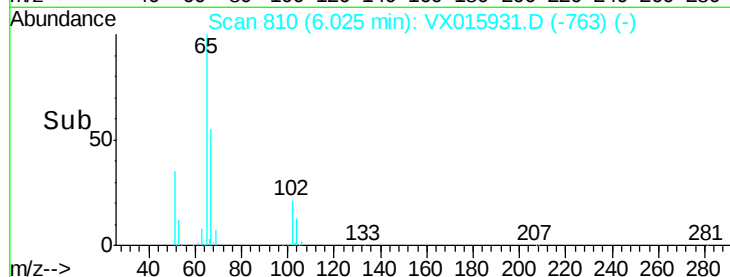
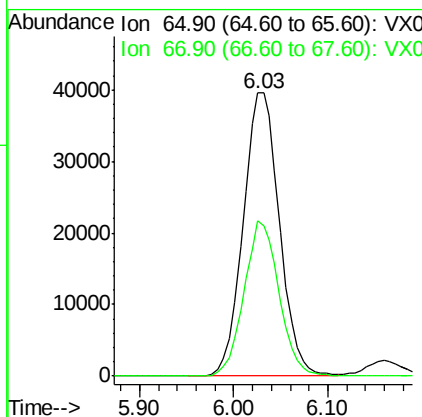
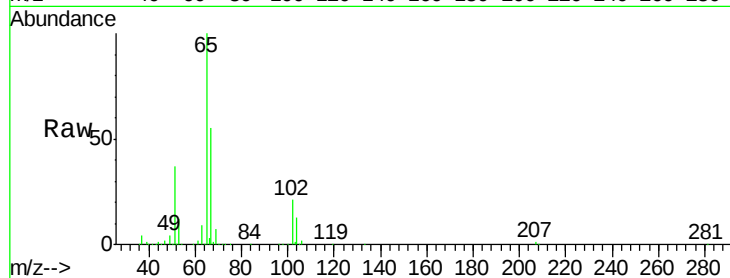
#33
 1,2-Dichloroethane-d4
 Concen: 49.680 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: VX015931.D
 Acq: 24 Apr 2020 15:03

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX042420

Tot Ion	Ratio	Resp	Lower	Upper
65	100	106802		
67	53.0	0.0	106.6	

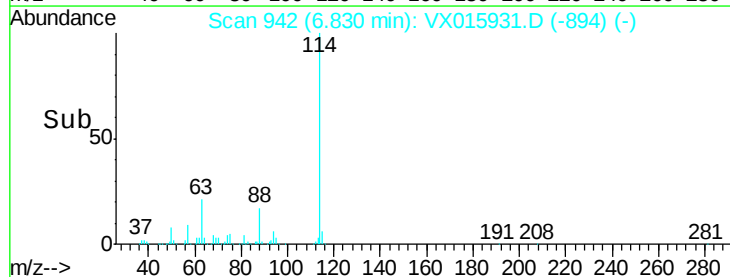
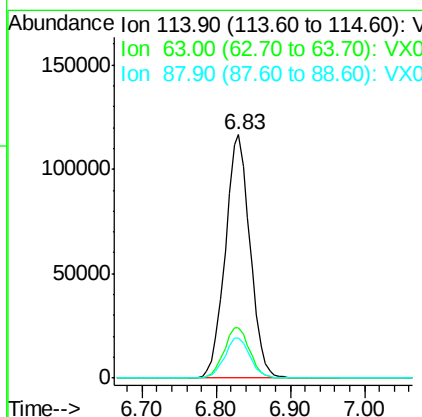
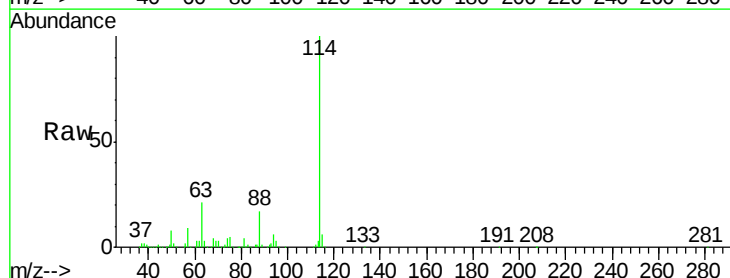
Manual Integrations
 APPROVED

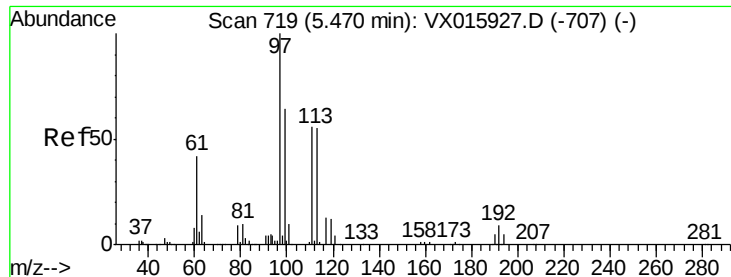
MMDadoda
 4/27/2020 12:39:59 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VX015931.D
 Acq: 24 Apr 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	270863		
63	20.8	0.0	44.4	
88	16.7	0.0	34.2	





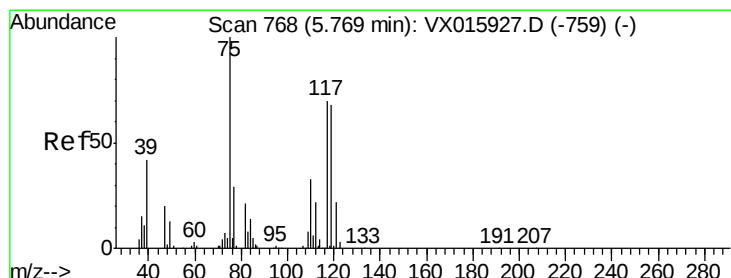
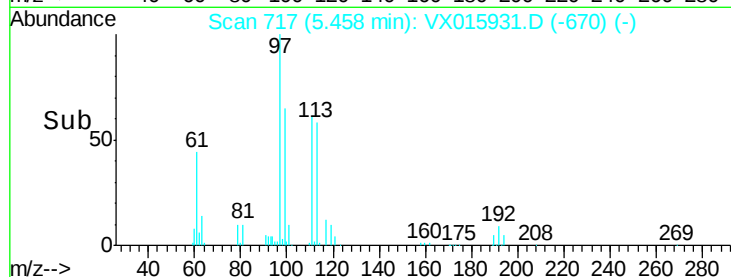
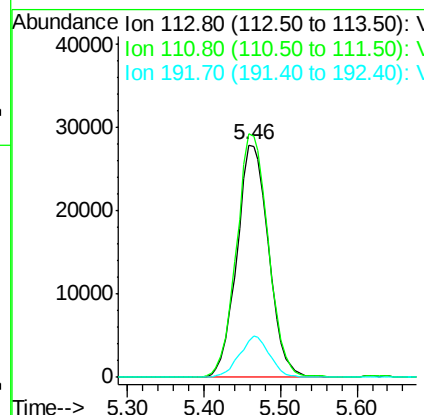
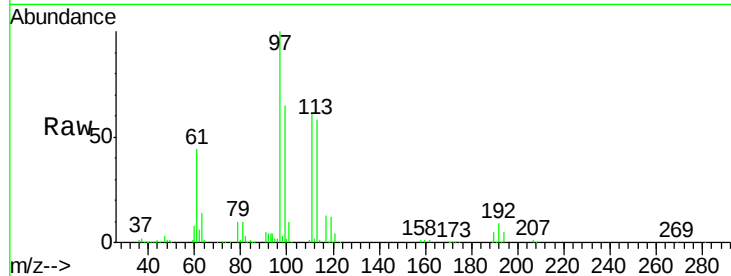
#35
Dibromofluoromethane
Concen: 54.318 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Instrument :
MSVOA_X
ClientSampleId :
ICVVX042420

Tot Ion	Ratio	Resp	Lower	Upper
113	100	80242		
111	105.1	81.2	121.8	
192	17.1	13.6	20.4	

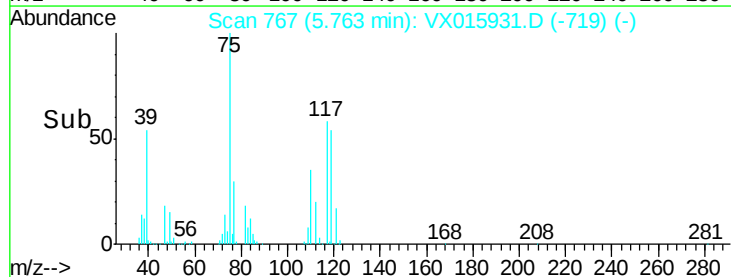
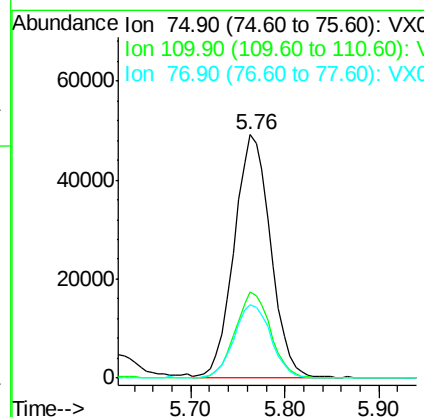
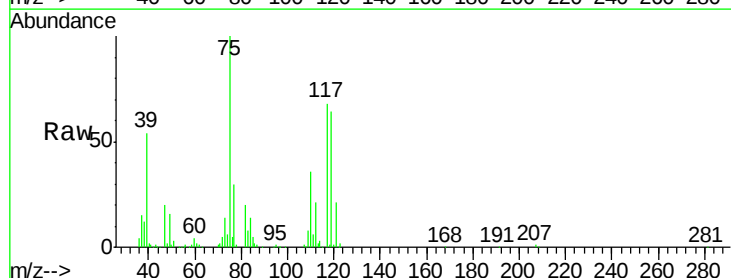
Manual Integrations
APPROVED

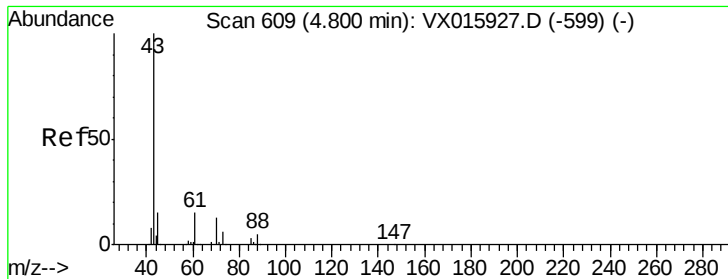
MMDadoda
4/27/2020 12:39:59 PM



#36
1,1-Dichloropropene
Concen: 50.860 ug/l
RT: 5.76 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	131473		
110	35.0	17.1	51.3	
77	30.9	25.0	37.4	





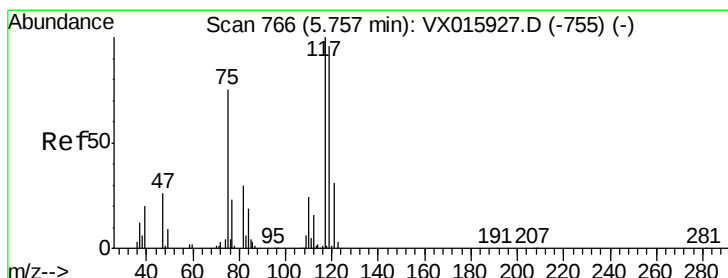
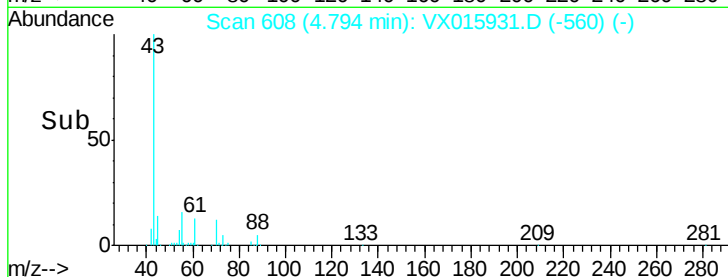
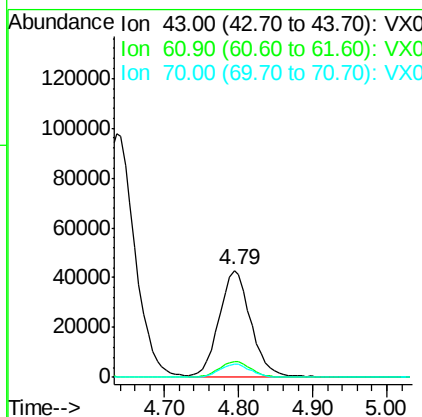
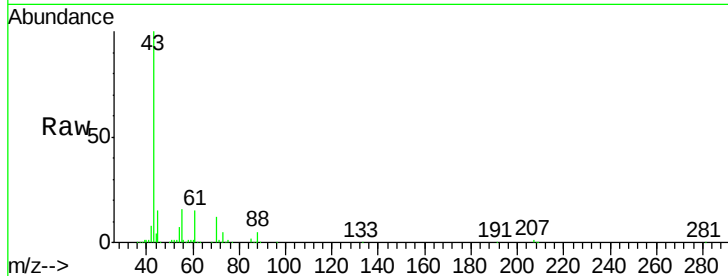
#37
Ethyl Acetate
Concen: 48.645 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Instrument :
MSVOA_X
ClientSampleId :
ICVVX042420

Tot Ion	43	Resp	126138
Ion Ratio	Lower	Upper	
43	100		
61	15.4	11.6	17.4
70	12.0	9.8	14.6

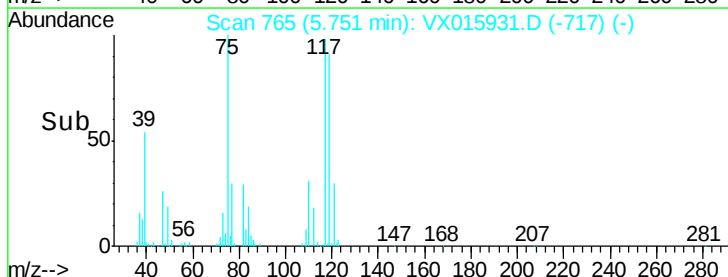
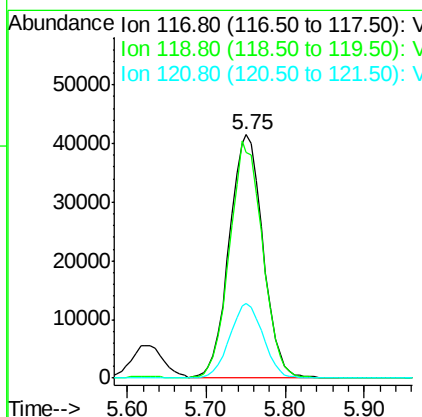
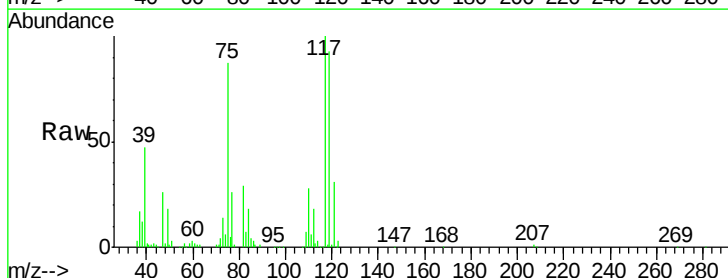
Manual Integrations
APPROVED

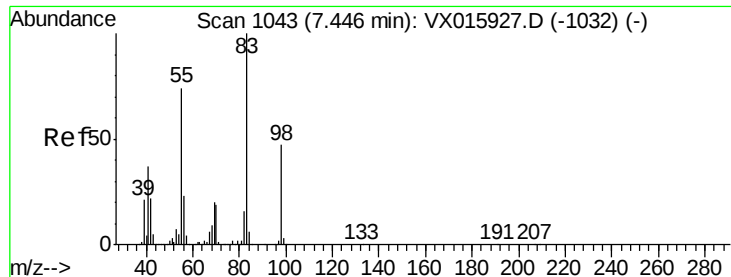
MMDadoda
4/27/2020 12:39:59 PM



#38
Carbon Tetrachloride
Concen: 51.930 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Tgt Ion	117	Resp	122672
Ion Ratio	Lower	Upper	
117	100		
119	92.5	77.0	115.6
121	30.8	25.0	37.4





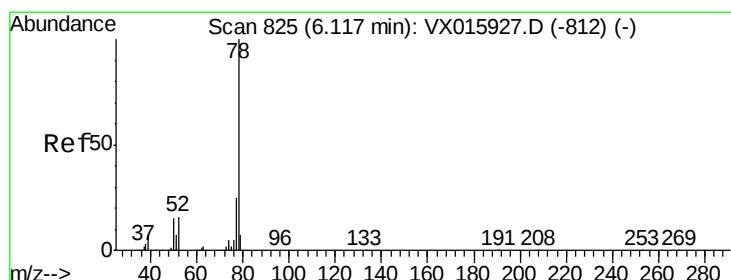
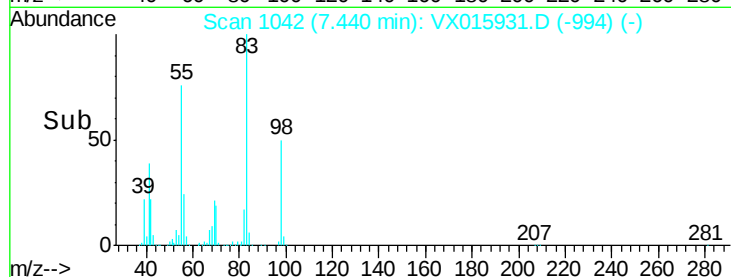
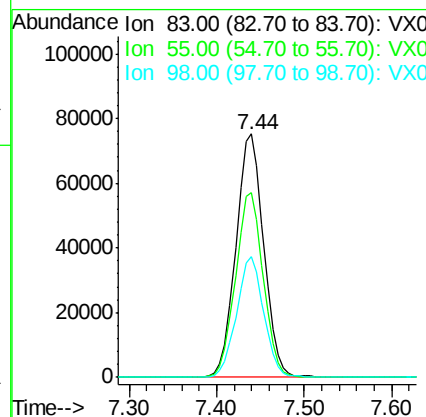
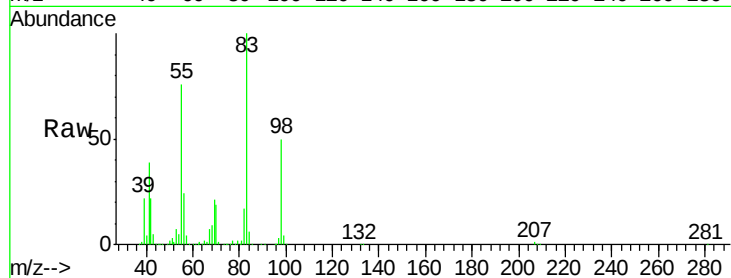
#39
Methvlcvclohexane
Concen: 53.082 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Instrument :
MSVOA_X
ClientSampleId :
ICVVX042420

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.7	59.0	88.4
98	49.8	37.4	56.0

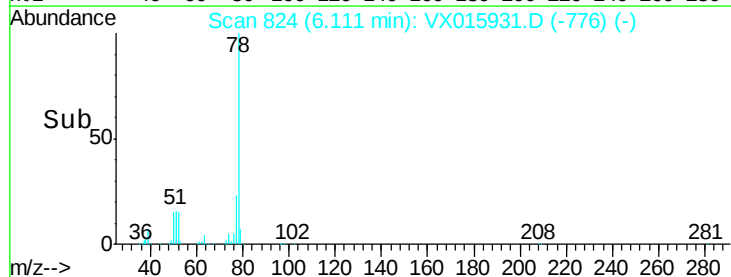
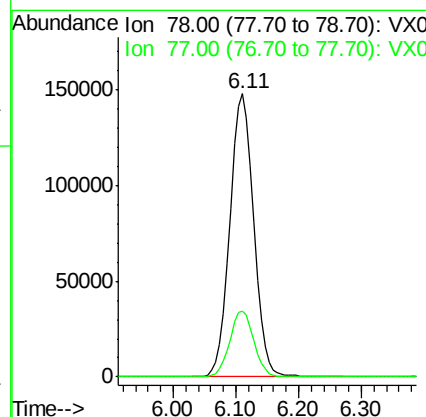
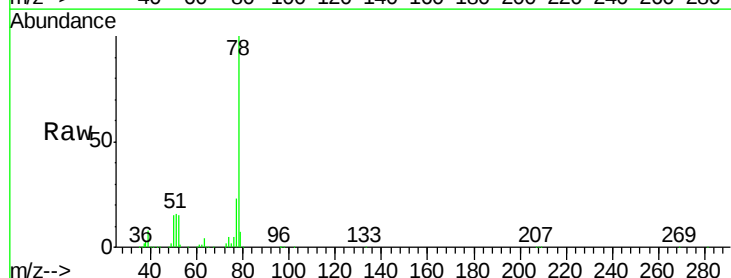
Manual Integrations
APPROVED

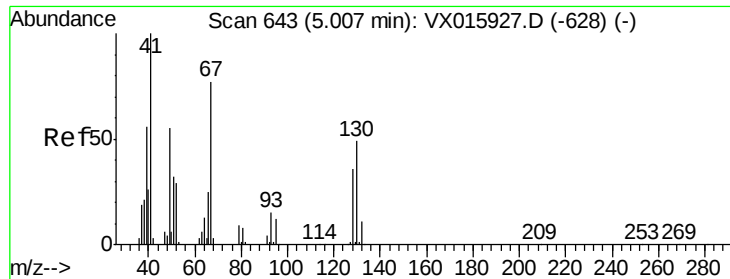
MMDadoda
4/27/2020 12:39:59 PM



#40
Benzene
Concen: 51.527 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.8	29.8





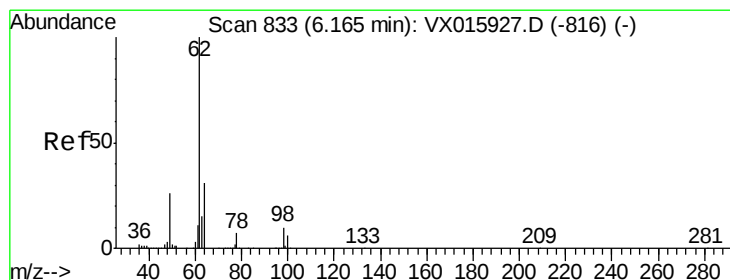
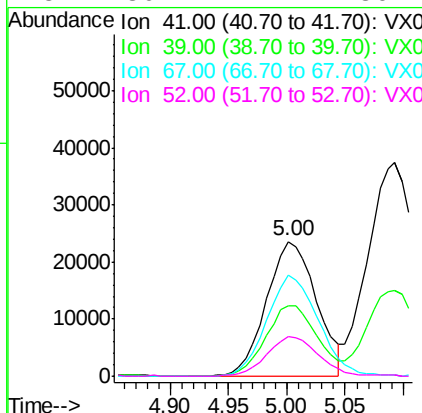
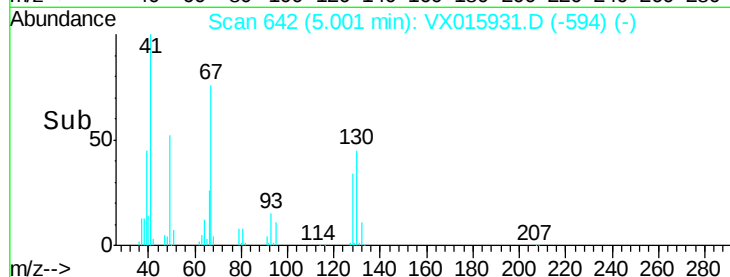
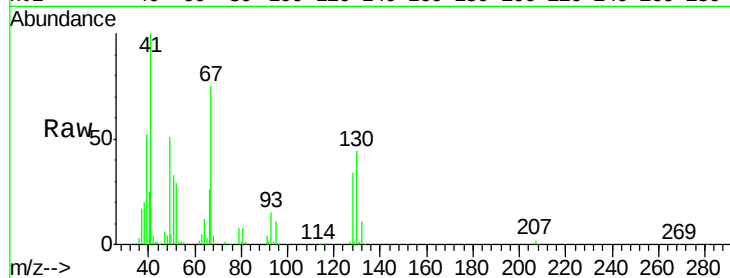
#41
Methacrylonitrile
Concen: 47.592 ug/l
RT: 5.00 min Scan# 642
Delta R.T. -0.01 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Instrument :
MSVOA_X
ClientSampleId :
ICVVX042420

Tot Ion:	41	Resp:	69953
Ion	Ratio	Lower	Upper
41	100		
39	55.5	42.8	64.2
67	78.2	62.0	93.0
52	30.2	24.2	36.4

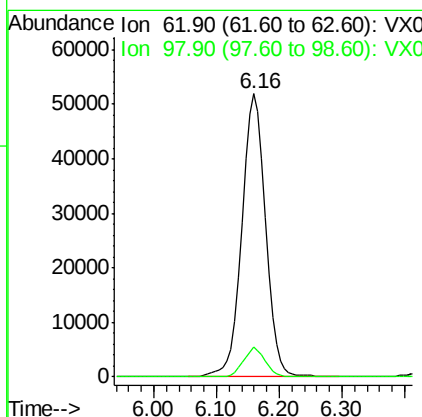
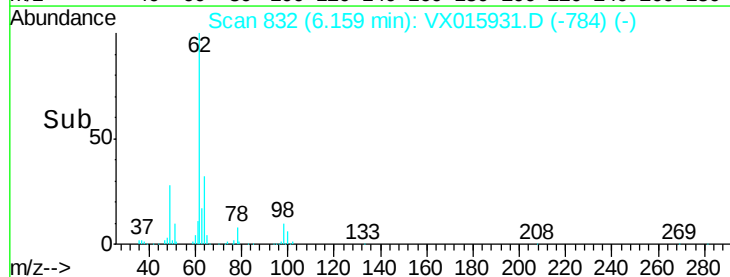
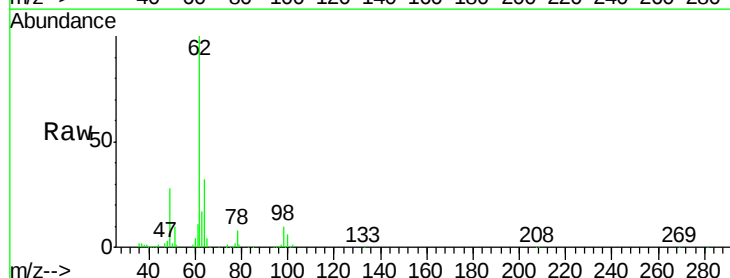
Manual Integrations
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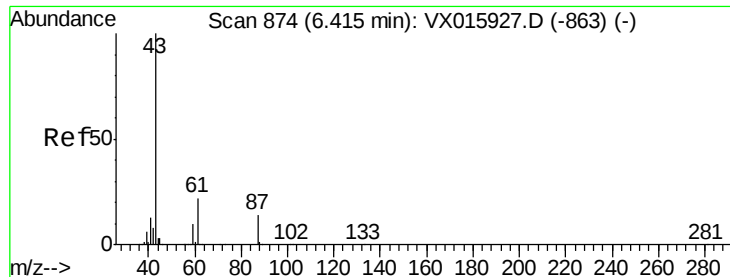
MMDadoda
4/27/2020 12:39:59 PM



#42
1,2-Dichloroethane
Concen: 51.557 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Tgt Ion:	62	Resp:	136497
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	20.0





#43

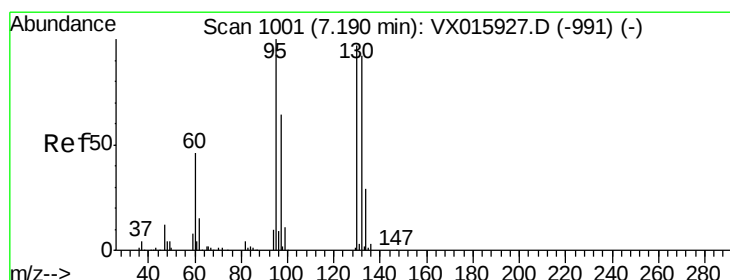
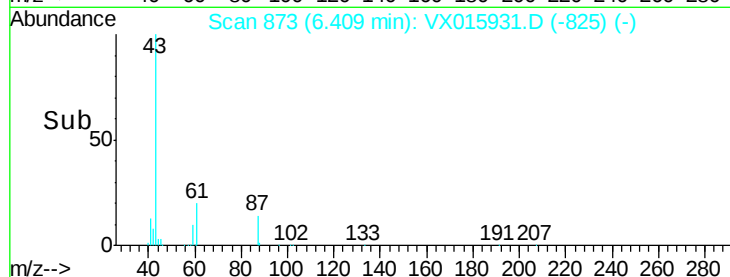
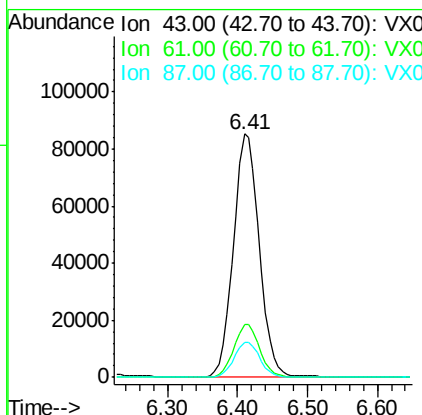
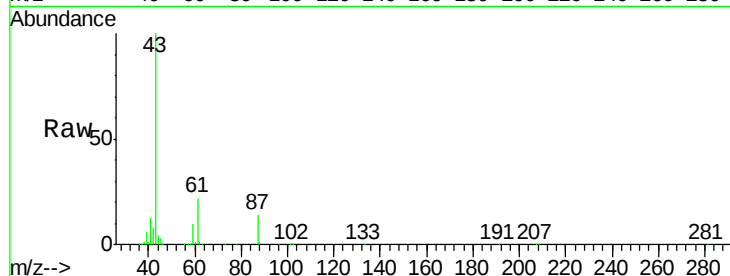
Isopropyl Acetate
 Concen: 51.199 ug/l
 RT: 6.41 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: VX015931.D
 Acq: 24 Apr 2020 15:03

Instrument :
 MSVOA_X
 ClientSampled :
 ICVVX042420

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.7	17.6	26.4
87	14.4	11.6	17.4

Manual Integrations
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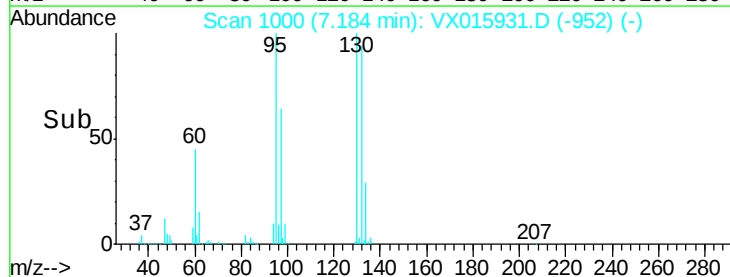
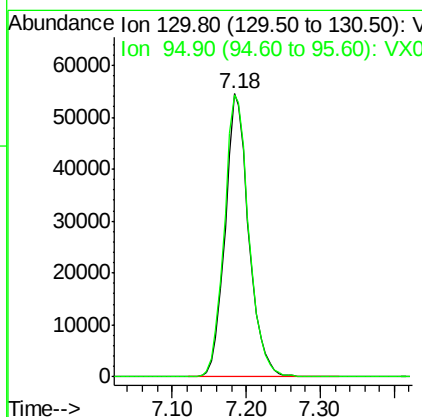
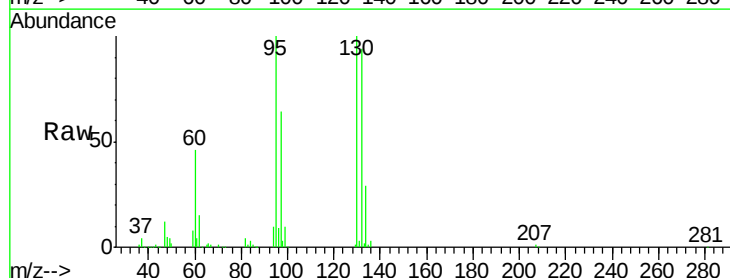
MMDadoda
 4/27/2020 12:39:59 PM

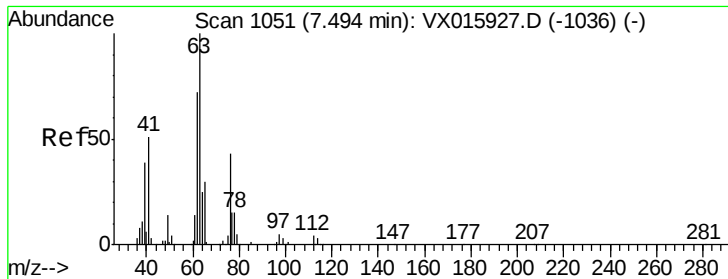


#44

Trichloroethene
 Concen: 51.997 ug/l
 RT: 7.18 min Scan# 1000
 Delta R.T. -0.01 min
 Lab File: VX015931.D
 Acq: 24 Apr 2020 15:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	205.2





#45

1,2-Dichloropropane

Concen: 51.346 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

Instrument :

MSVOA_X

ClientSampleId :

ICVVX042420

Tot Ion: 63 Resp: 99399

Ion Ratio Lower Upper

63 100

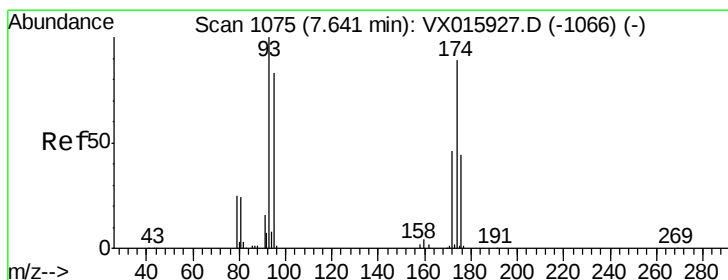
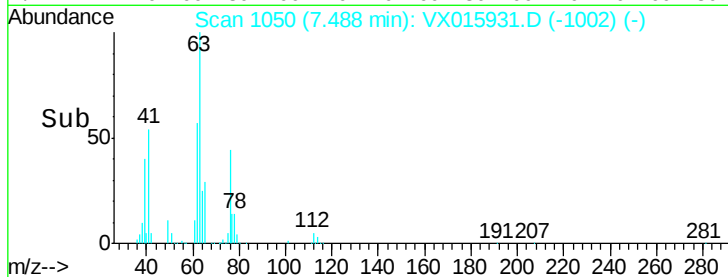
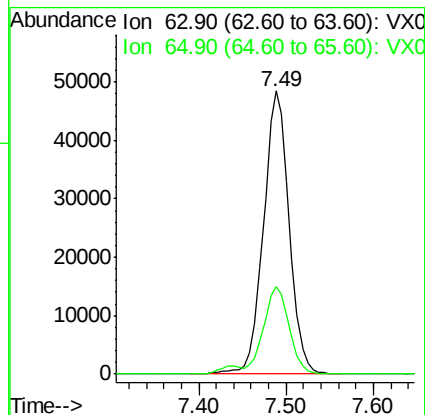
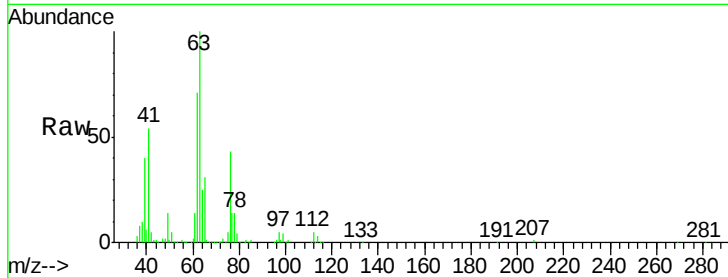
65 30.7 24.3 36.5

Manual Integrations

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#46

Dibromomethane

Concen: 50.728 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

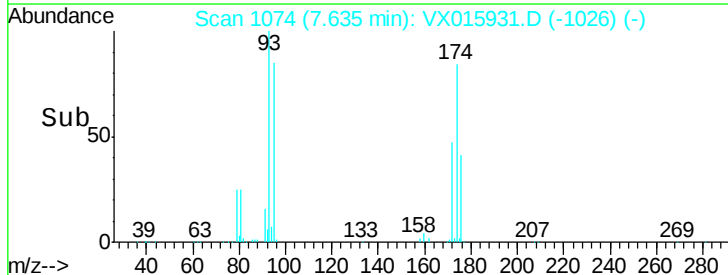
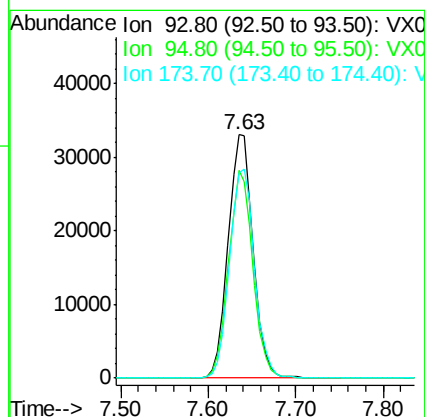
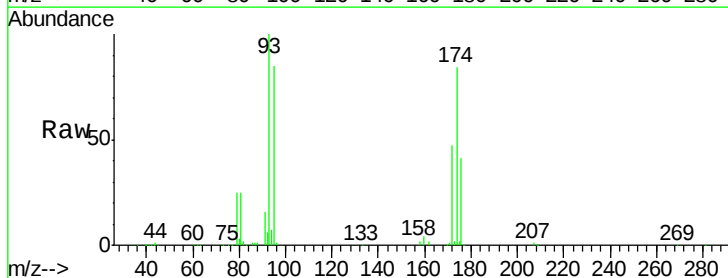
Tgt Ion: 93 Resp: 65581

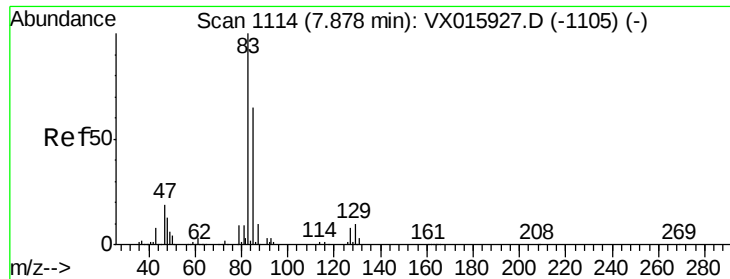
Ion Ratio Lower Upper

93 100

95 83.3 65.7 98.5

174 86.2 70.6 105.8





#47

Bromodichloromethane

Concen: 51.478 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

Instrument :

MSVOA_X

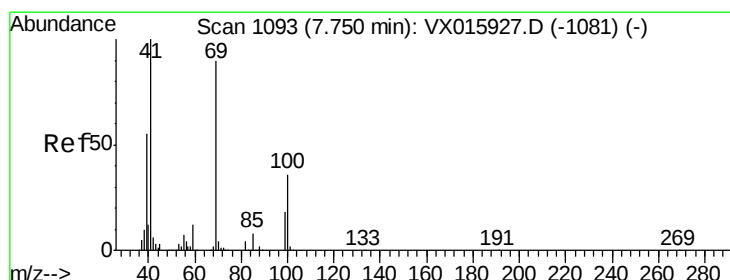
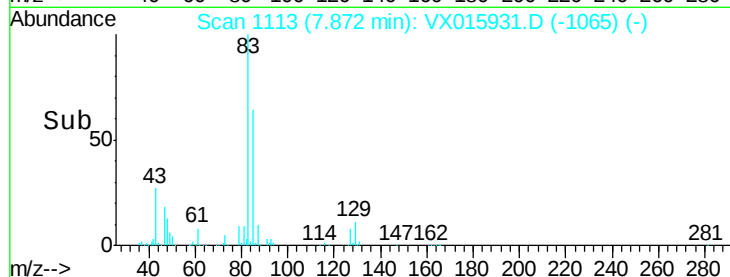
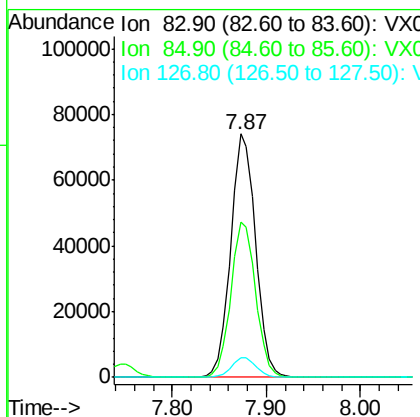
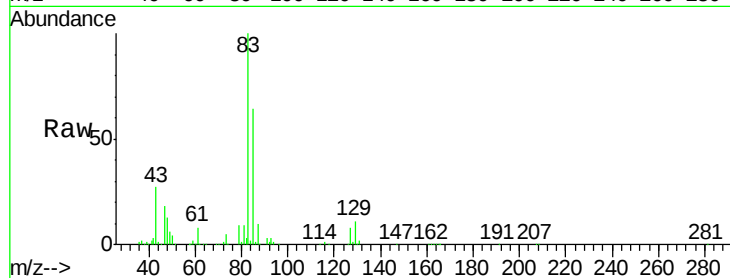
ClientSampleId :

ICVVX042420

Tot Ion:	83	Resp:	135431
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.6	77.4
127	8.2	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.879 ug/l

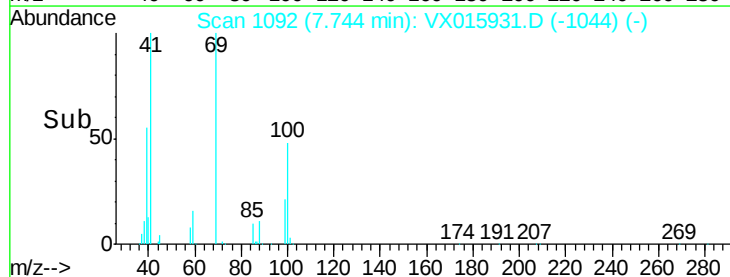
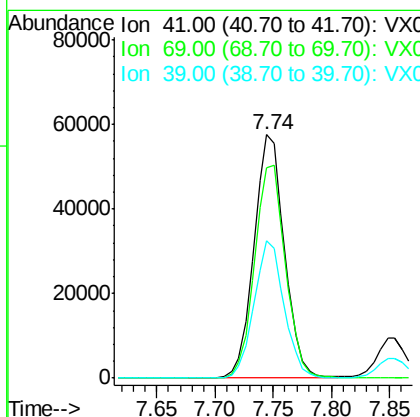
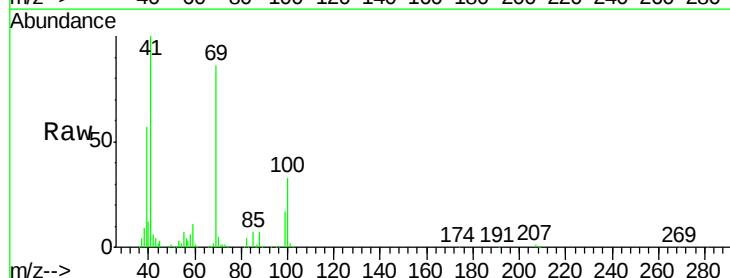
RT: 7.74 min Scan# 1092

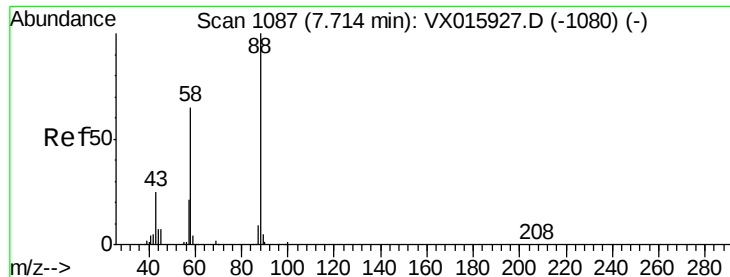
Delta R.T. -0.01 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

Tgt Ion:	41	Resp:	104486
Ion Ratio	Lower	Upper	
41	100		
69	89.5	72.0	108.0
39	56.2	44.1	66.1





#49

1,4-Dioxane

Concen: 953.864 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

Instrument :

MSVOA_X

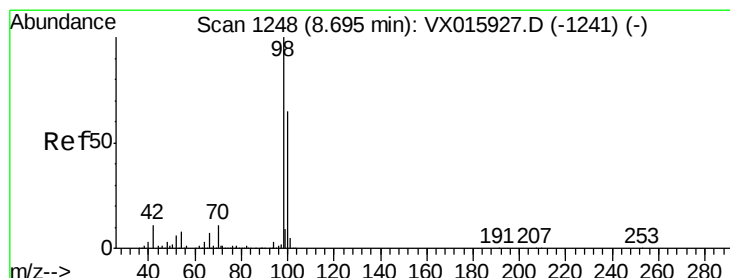
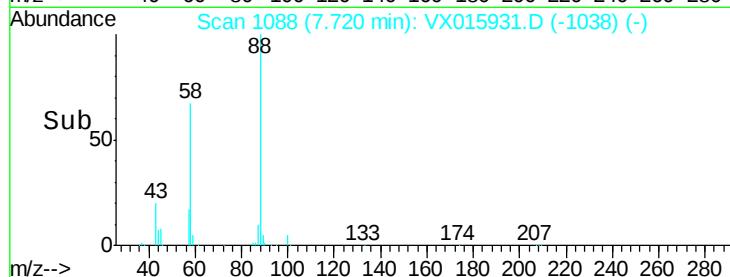
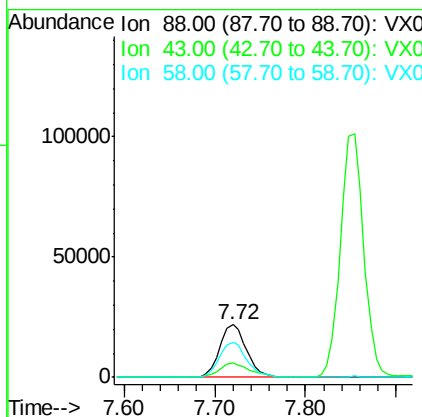
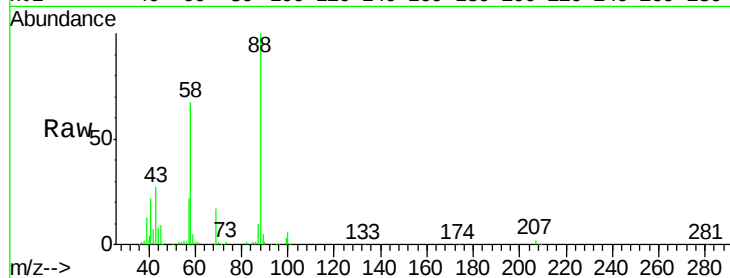
ClientSampleId :

ICVVX042420

Tot Ion:	88	Resp:	44441
Ion	Ratio	Lower	Upper
88	100		
43	31.3	23.8	35.8
58	68.8	55.7	83.5

Manual Integrations
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#50

Toluene-d8

Concen: 52.571 ug/l

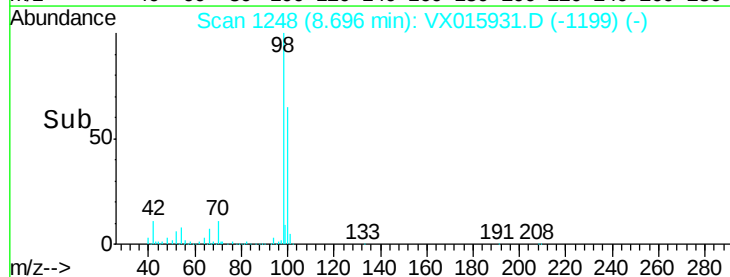
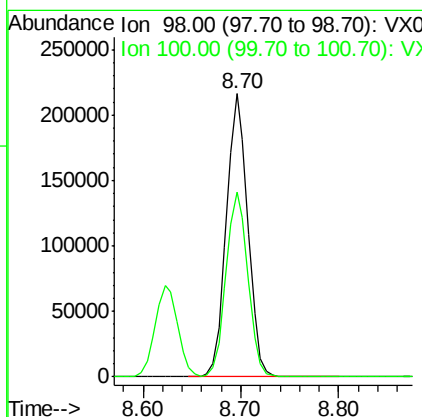
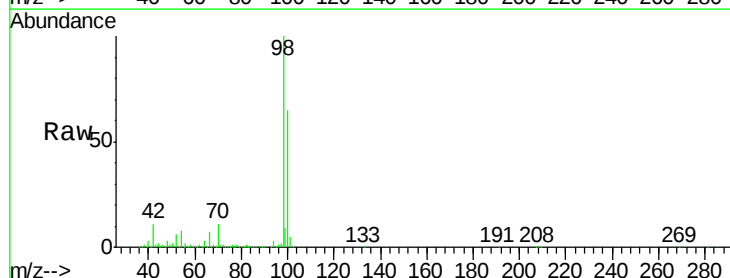
RT: 8.70 min Scan# 1248

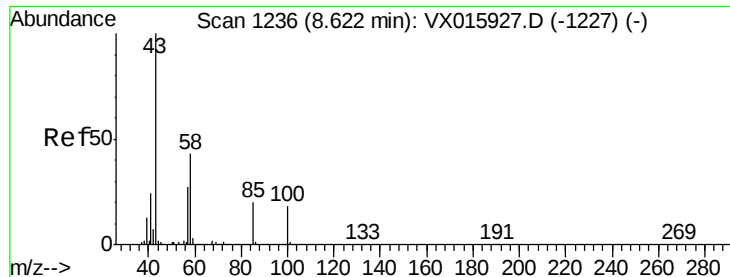
Delta R.T. 0.00 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

Tgt Ion:	98	Resp:	328792
Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.0	79.4





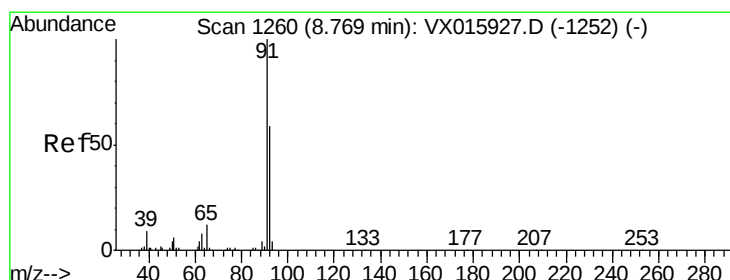
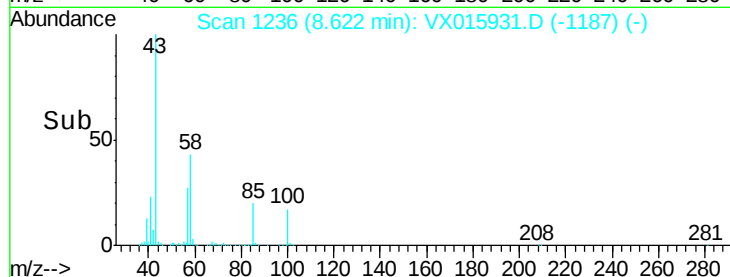
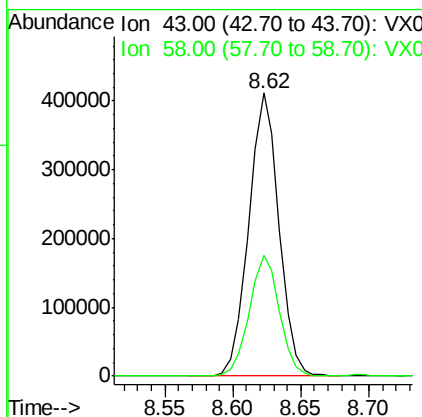
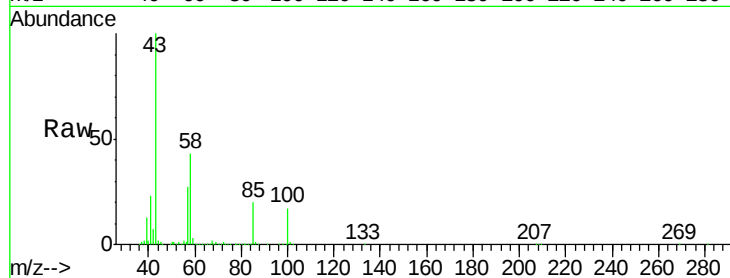
#51
 4-Methyl-2-Pentanone
 Concen: 255.999 ug/l
 RT: 8.62 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VX015931.D
 Acq: 24 Apr 2020 15:03

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX042420

Tot Ion: 43 Resp: 639345
 Ion Ratio Lower Upper
 43 100
 58 42.6 34.2 51.4

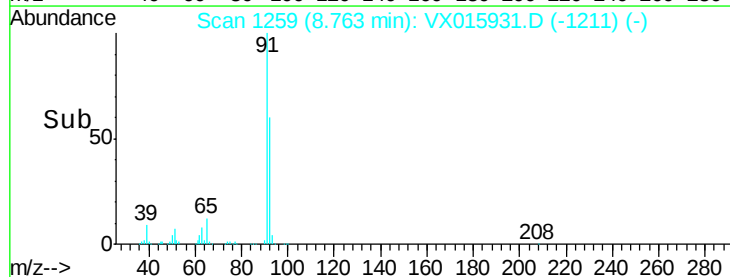
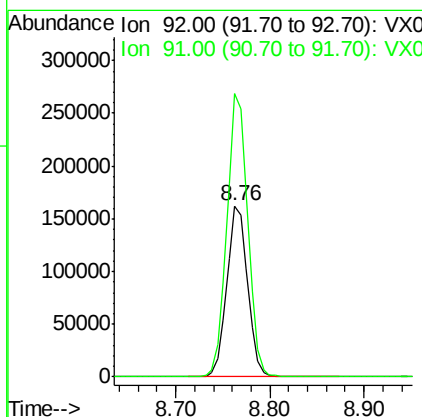
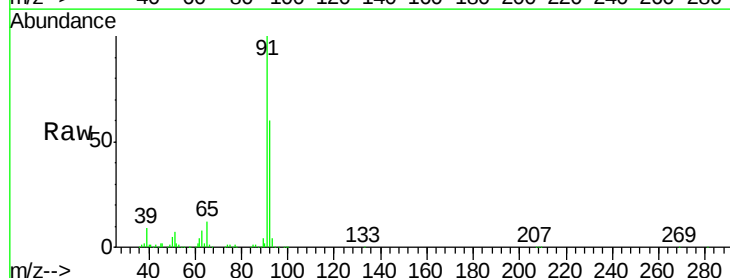
Manual Integrations
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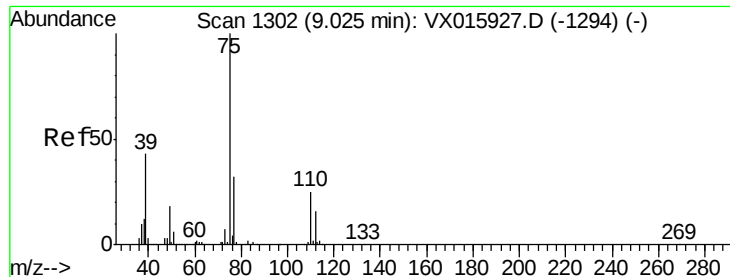
MMDadoda
 4/27/2020 12:39:59 PM



#52
 Toluene
 Concen: 51.581 ug/l
 RT: 8.76 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VX015931.D
 Acq: 24 Apr 2020 15:03

Tgt Ion: 92 Resp: 247547
 Ion Ratio Lower Upper
 92 100
 91 167.4 134.0 201.0





#53

t-1,3-Dichloropropene

Concen: 51.732 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

Tot Ion: 75 Resp: 164110

Ion Ratio Lower Upper

75 100

77 31.6 25.9 38.9

Instrument :

MSVOA_X

ClientSampled :

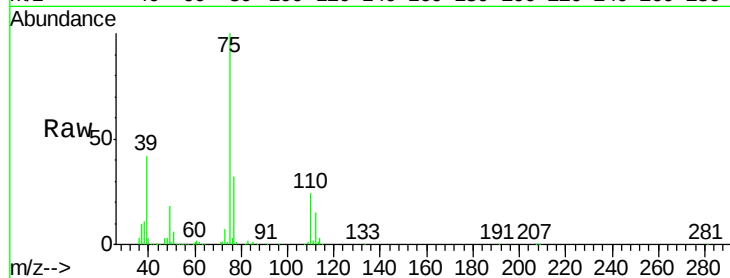
ICVVX042420

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

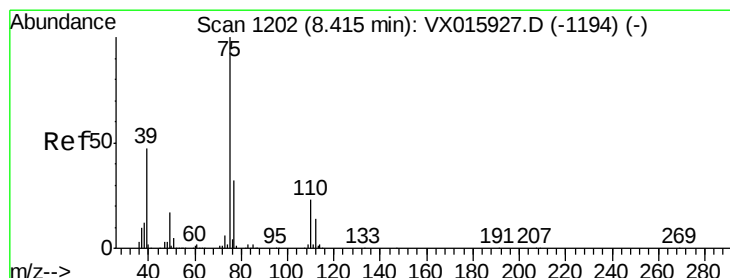
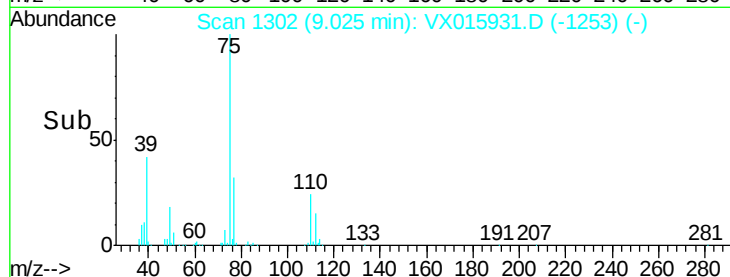
9.02

100000

50000

0

Time--> 8.90 9.00 9.10 9.20



#54

cis-1,3-Dichloropropene

Concen: 52.235 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

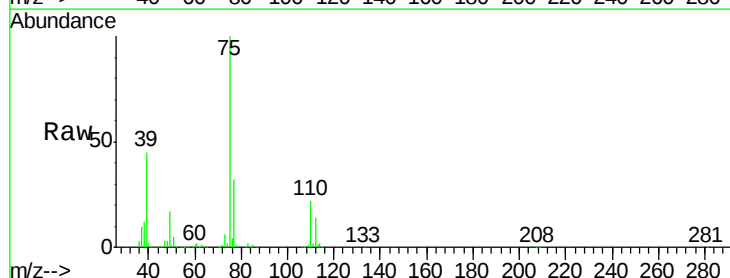
Tgt Ion: 75 Resp: 173349

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8

39 45.1 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

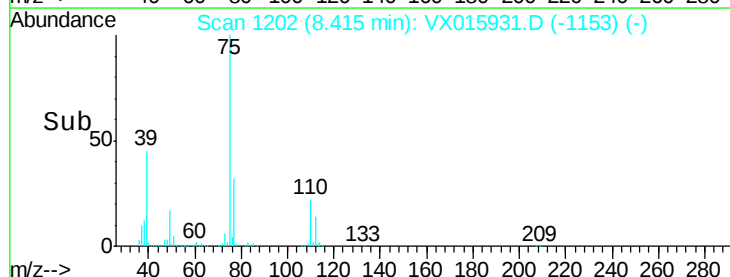
150000

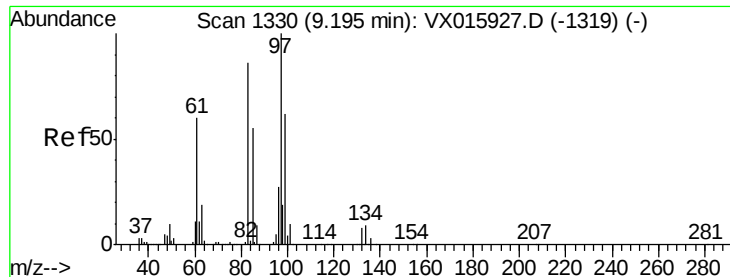
100000

50000

0

Time--> 8.30 8.40 8.50





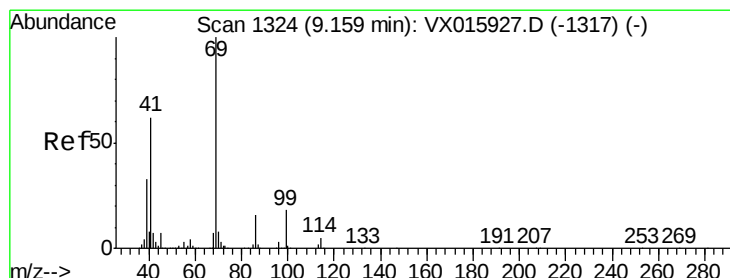
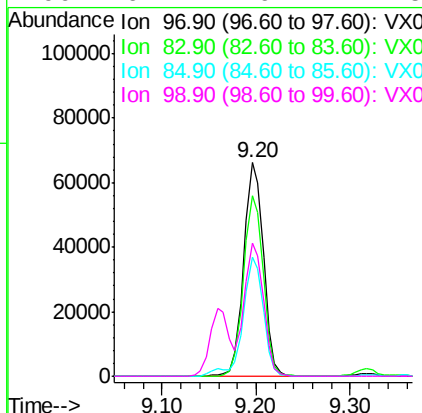
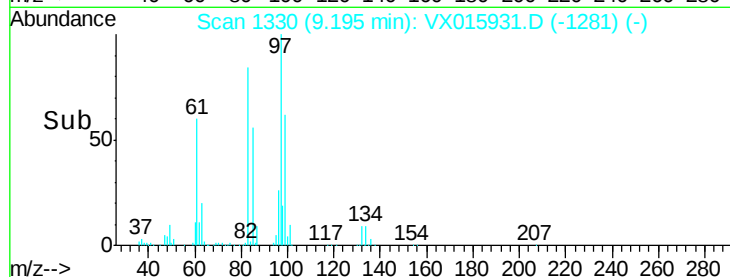
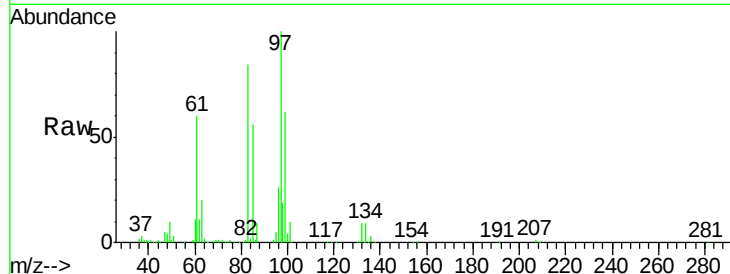
#55
 1,1,2-Trichloroethane
 Concen: 50.662 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX015931.D
 Acq: 24 Apr 2020 15:03

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX042420

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		97105		
83	84.4	68.6	103.0		
85	55.6	44.0	66.0		
99	62.2	49.7	74.5		

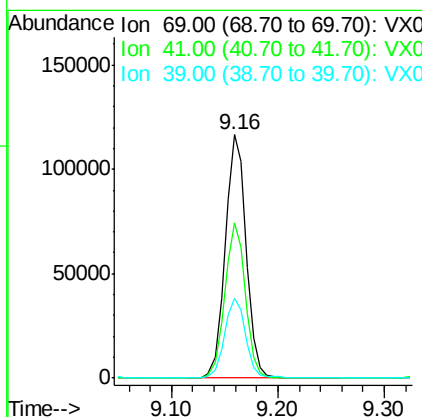
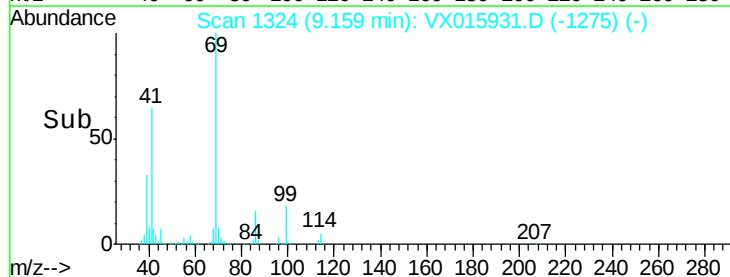
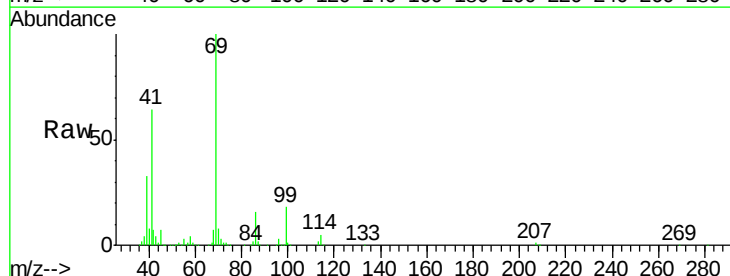
Manual Integrations
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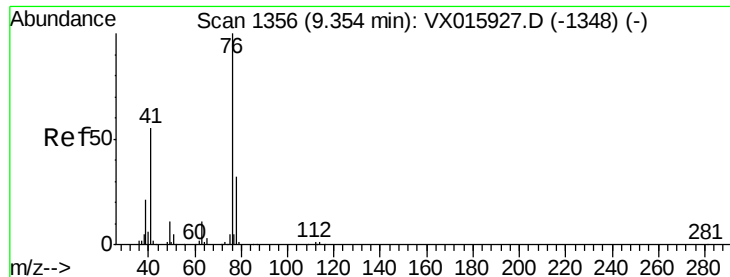
MMDadoda
 4/27/2020 12:39:59 PM



#56
 Ethyl methacrylate
 Concen: 51.876 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX015931.D
 Acq: 24 Apr 2020 15:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		160181		
41	62.7	49.2	73.8		
39	33.1	26.0	39.0		





#57

1,3-Dichloropropane

Concen: 51.080 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

Instrument :

MSVOA_X

ClientSampleId :

ICVVX042420

Tot Ion: 76 Resp: 167506

Ion Ratio Lower Upper

76 100

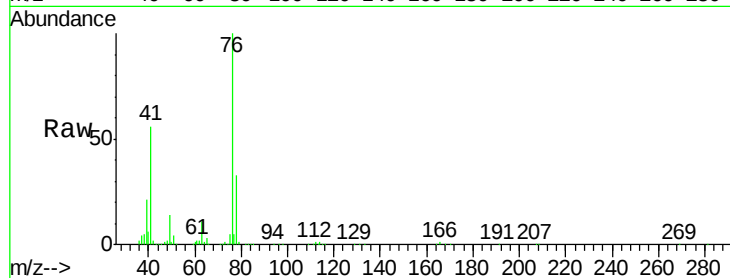
78 32.7 25.6 38.4

Manual Integrations

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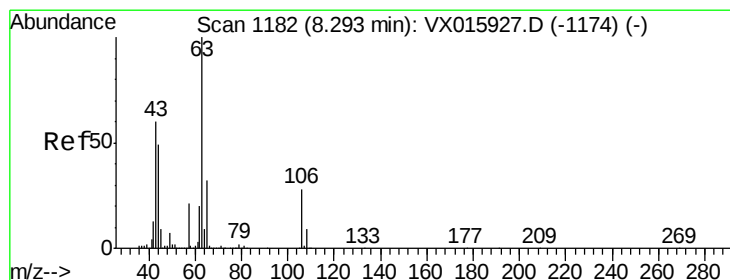
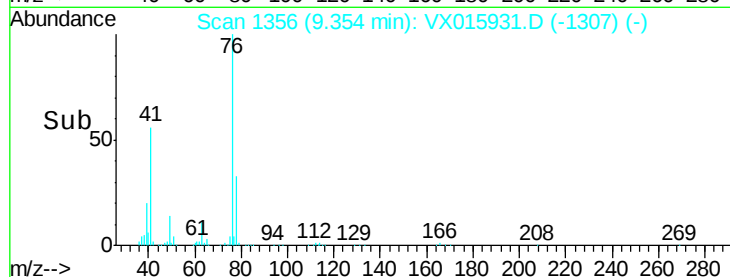
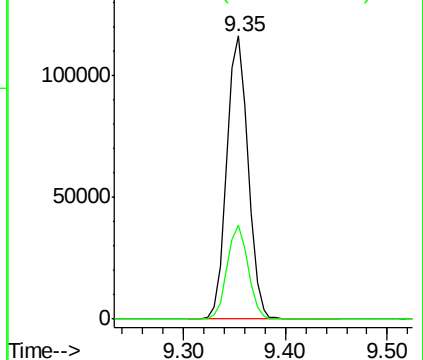
MMDadoda

4/27/2020 12:39:59 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 269.445 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX015931.D

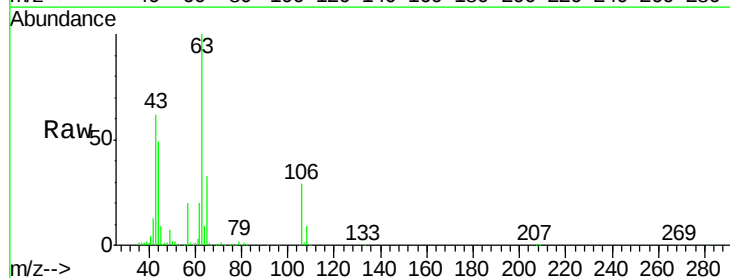
Acq: 24 Apr 2020 15:03

Tgt Ion: 63 Resp: 411115

Ion Ratio Lower Upper

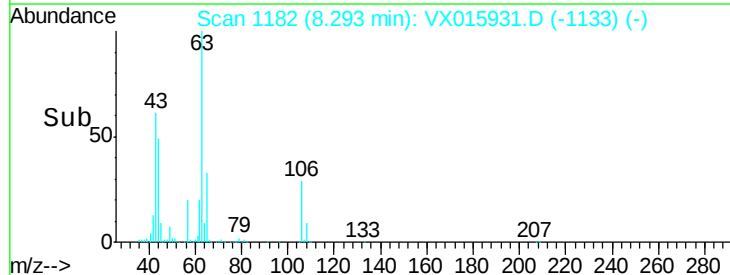
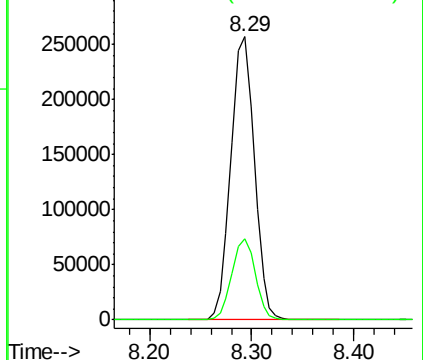
63 100

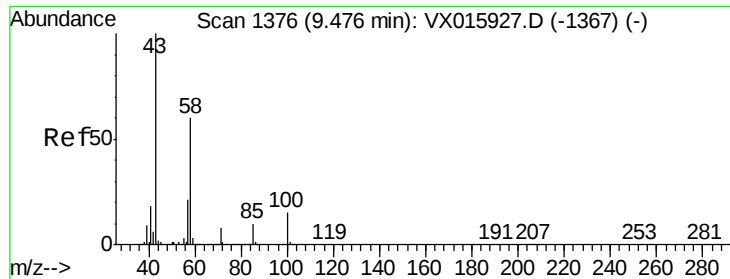
106 28.6 23.0 34.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





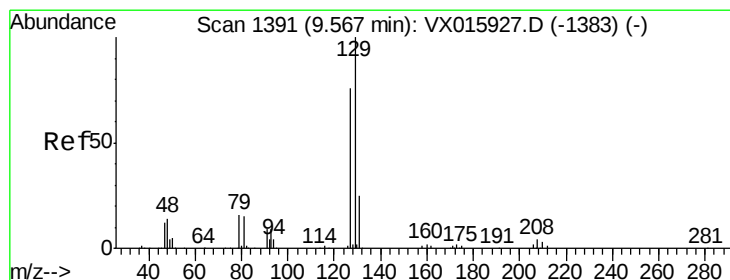
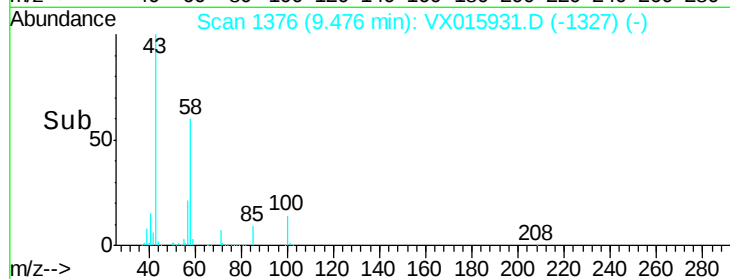
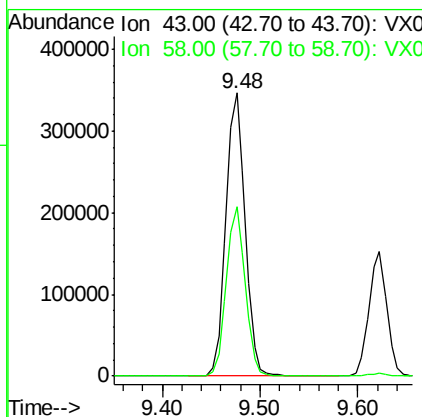
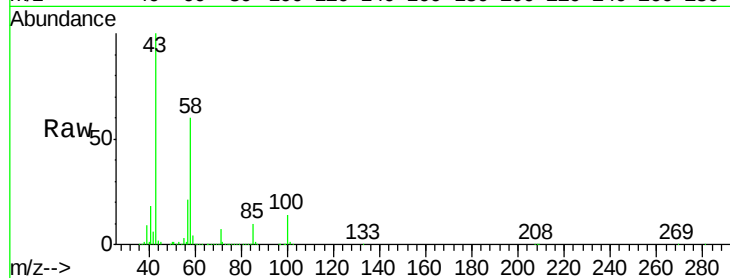
#59
2-Hexanone
Concen: 249.050 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Instrument :
MSVOA_X
ClientSampleId :
ICVVX042420

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.3	29.7	89.1

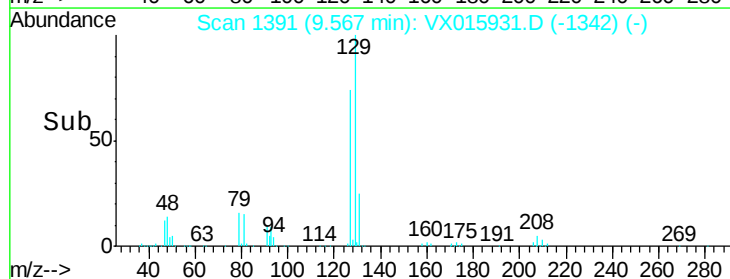
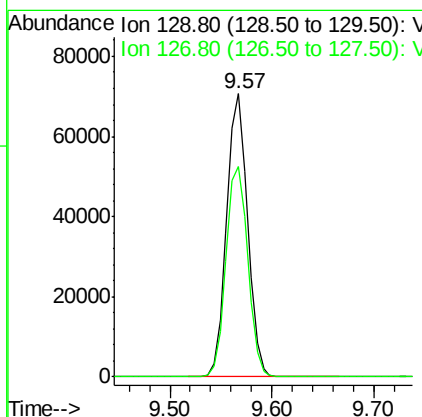
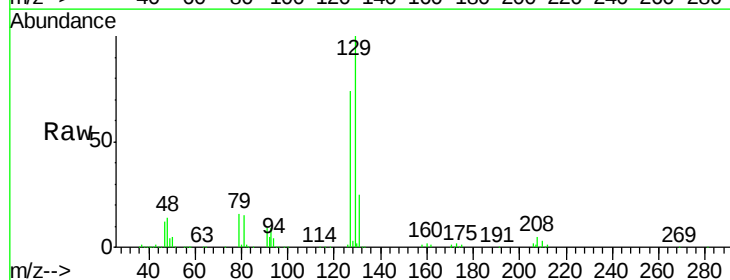
Manual Integrations
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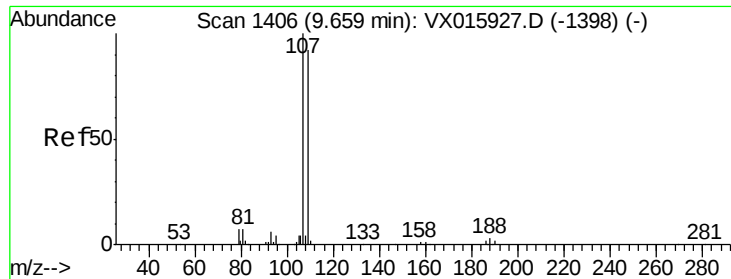
MMDadoda
4/27/2020 12:39:59 PM



#60
Dibromochloromethane
Concen: 52.812 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.8	116.3





#61

1,2-Dibromoethane

Concen: 51.579 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.01 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

Instrument :

MSVOA_X

ClientSampleId :

ICVVX042420

Tot Ion: 107 Resp: 102256

Ion Ratio Lower Upper

107 100

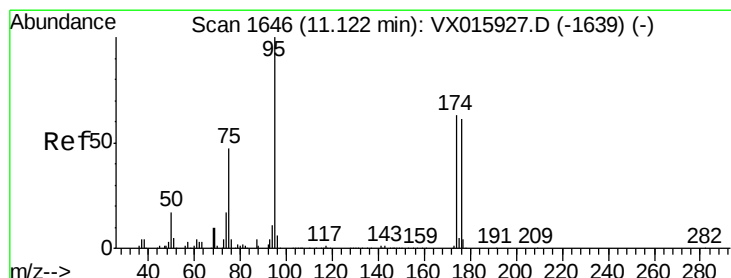
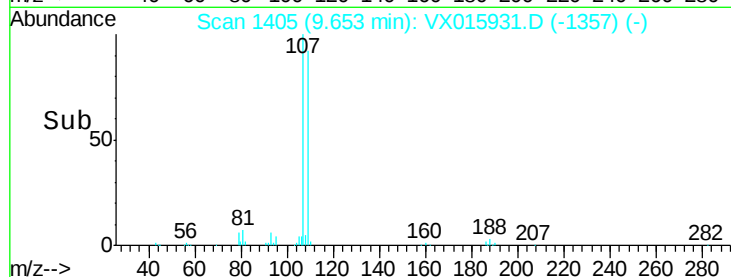
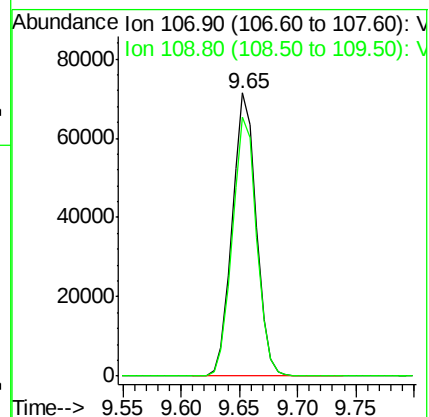
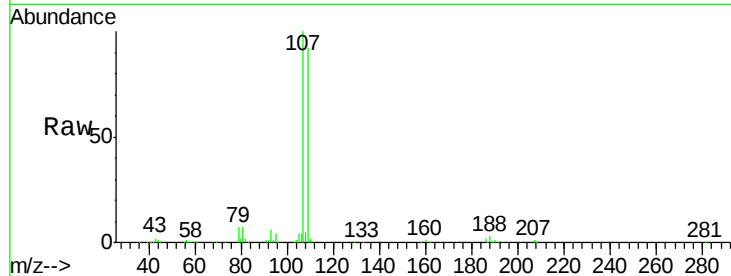
109 92.8 75.1 112.7

Manual Integrations

APPROVED

MMDadoda

4/27/2020 12:39:59 PM



#62

4-Bromofluorobenzene

Concen: 52.803 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

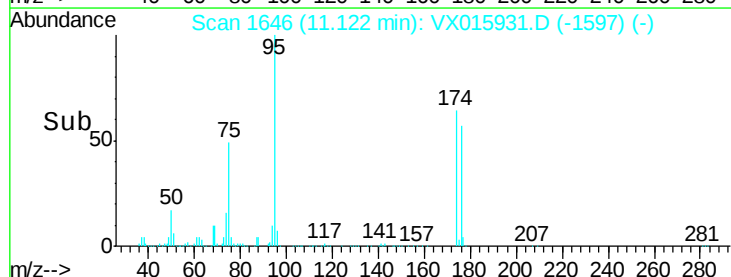
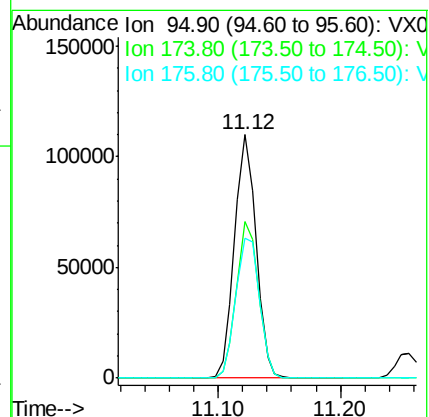
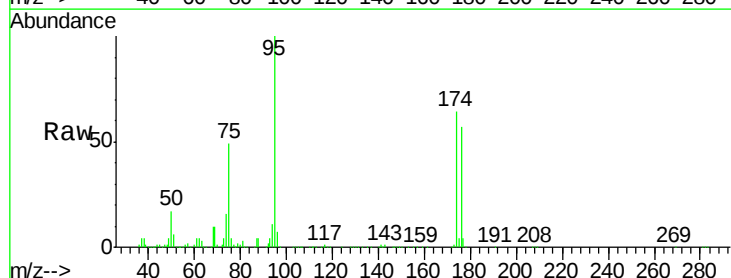
Tgt Ion: 95 Resp: 133946

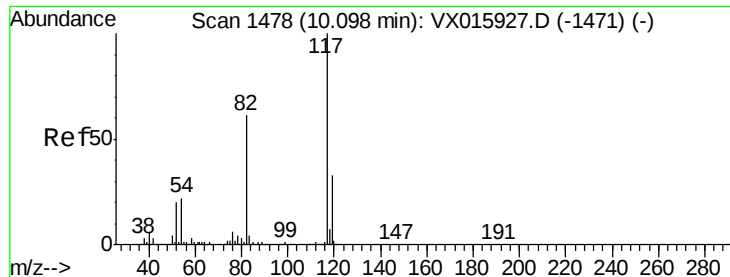
Ion Ratio Lower Upper

95 100

174 66.1 0.0 133.6

176 63.2 0.0 126.0





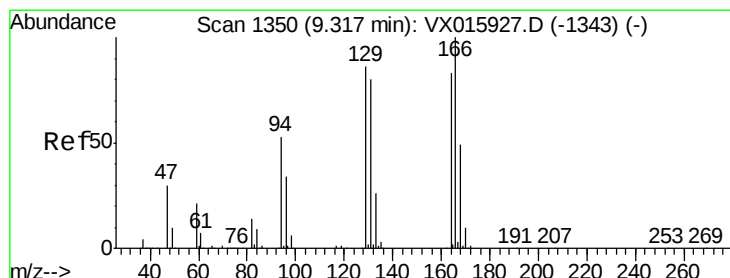
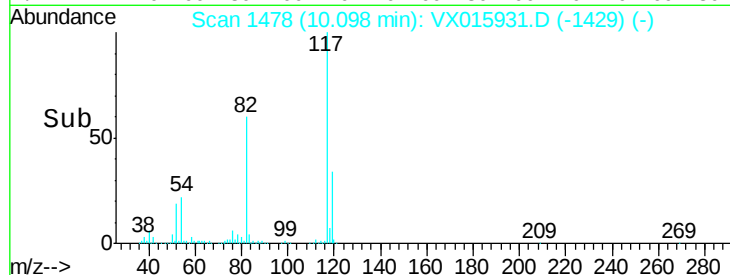
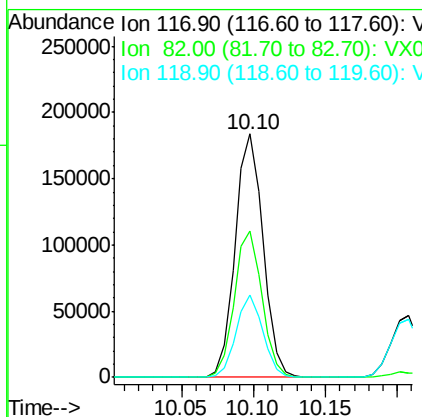
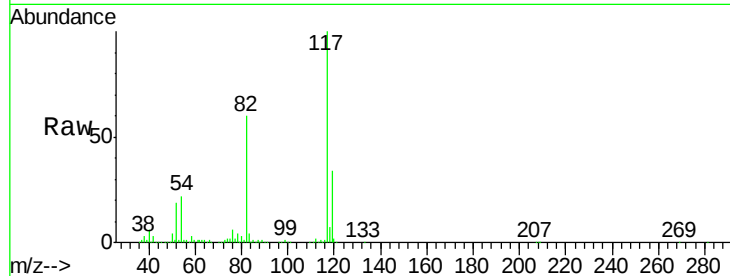
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Instrument :
MSVOA_X
ClientSampleId :
ICVVX042420

Tot Ion	Ratio	Resp	Lower	Upper
117	100	248831		
82	60.0	48.5	72.7	
119	34.0	26.2	39.4	

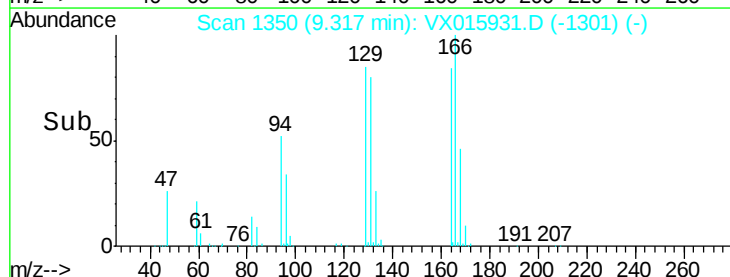
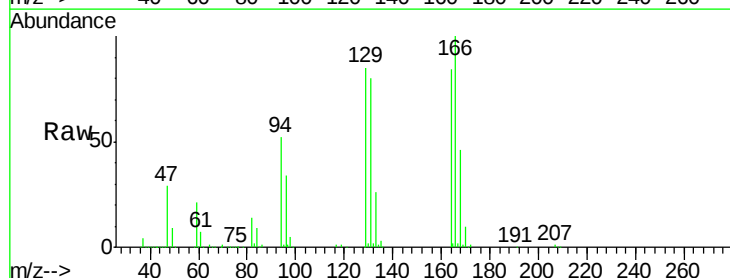
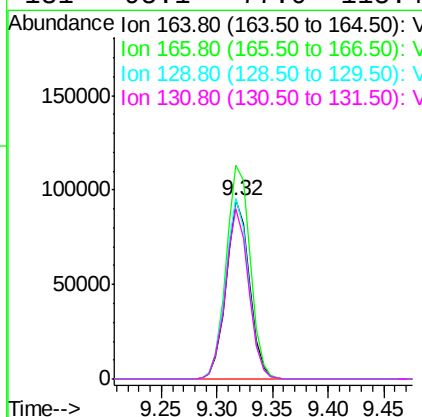
Manual Integrations
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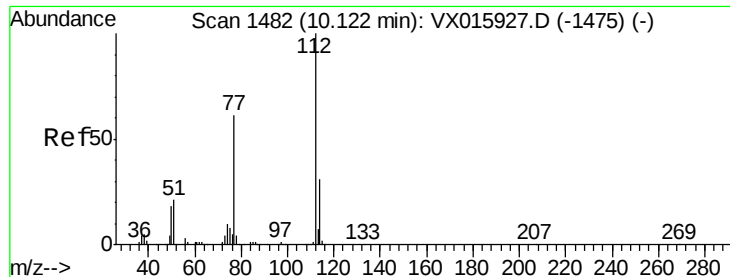
MMDadoda
4/27/2020 12:39:59 PM



#64
Tetrachloroethene
Concen: 55.016 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	136221		
166	119.5	96.7	145.1	
129	101.1	82.8	124.2	
131	95.1	77.0	115.4	





#65

Chlorobenzene

Concen: 52.259 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

Instrument :

MSVOA_X

ClientSampleId :

ICVVX042420

Tot Ion:112 Resp: 258166

Ion Ratio Lower Upper

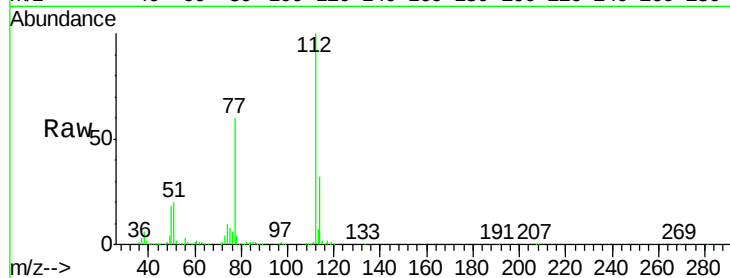
112 100

114 32.0 25.2 37.8

Manual Integrations
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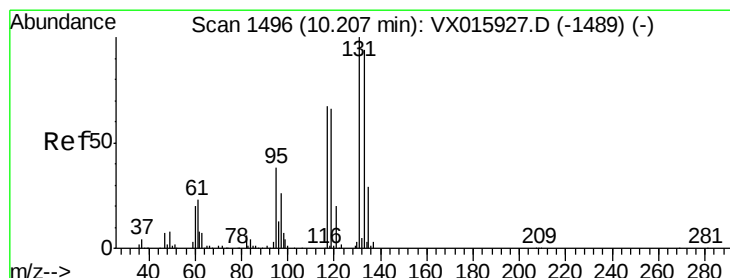
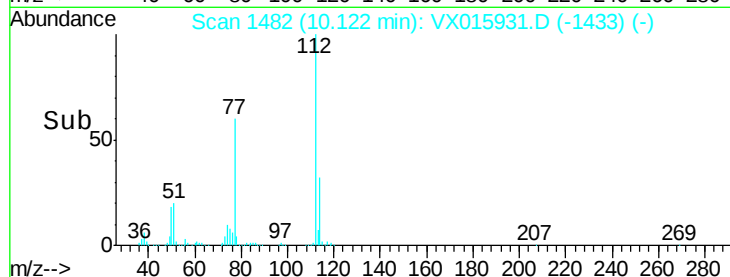
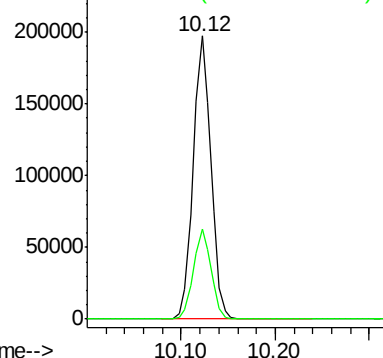
MMDadoda

4/27/2020 12:39:59 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.029 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

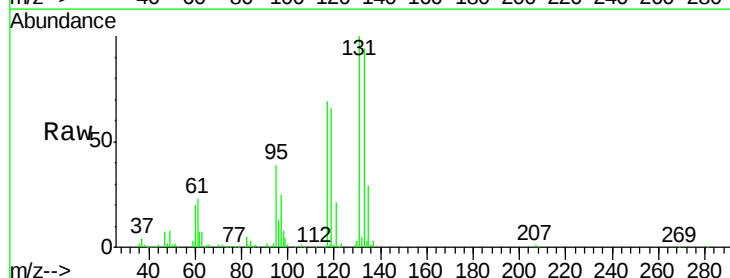
Tgt Ion:131 Resp: 92833

Ion Ratio Lower Upper

131 100

133 95.5 46.7 140.0

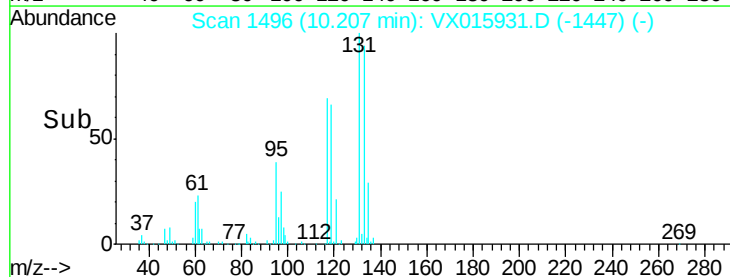
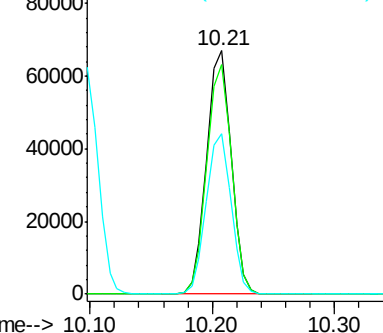
119 66.8 33.7 101.0

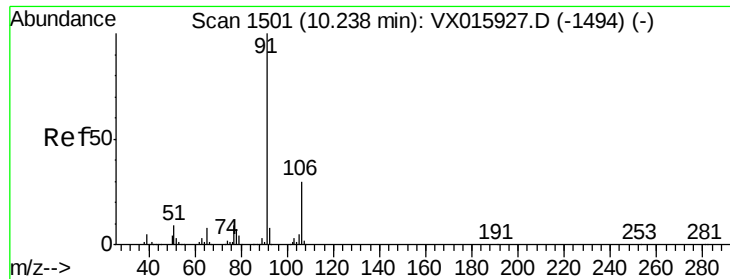


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





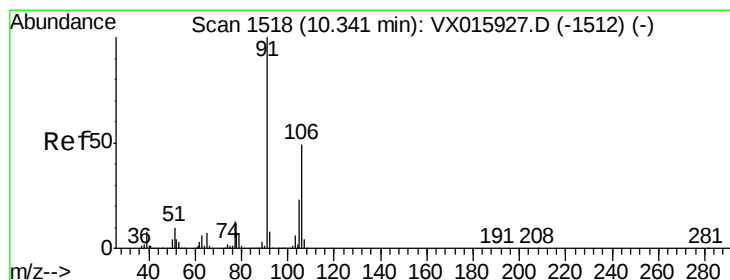
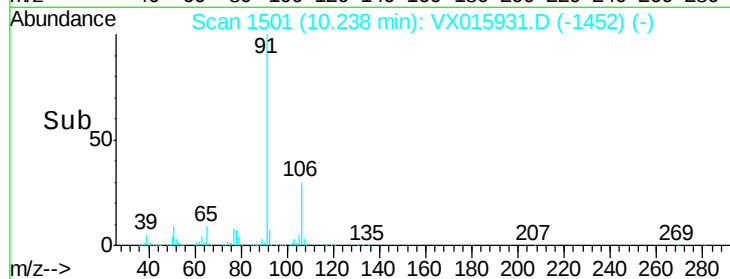
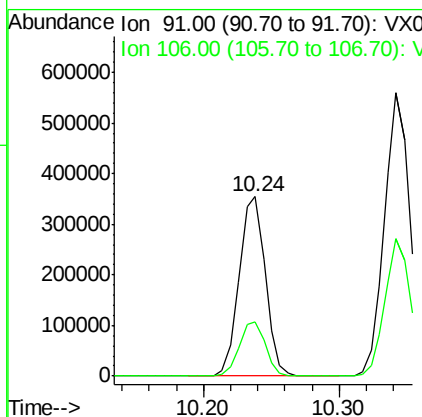
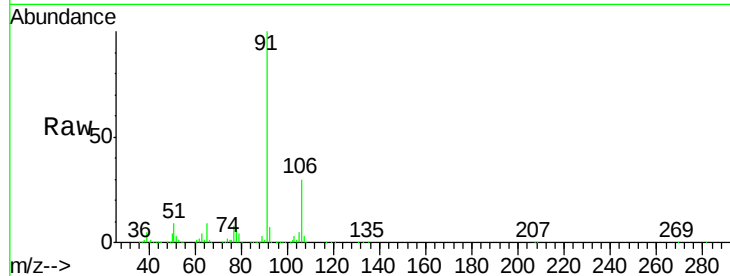
#67
Ethyl Benzene
Concen: 52.283 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.00 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Instrument :
MSVOA_X
ClientSampleId :
ICVVX042420

Tot Ion: 91 Resp: 476205
Ion Ratio Lower Upper
91 100
106 30.1 24.2 36.4

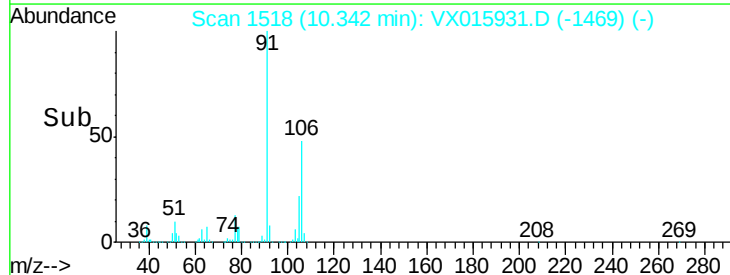
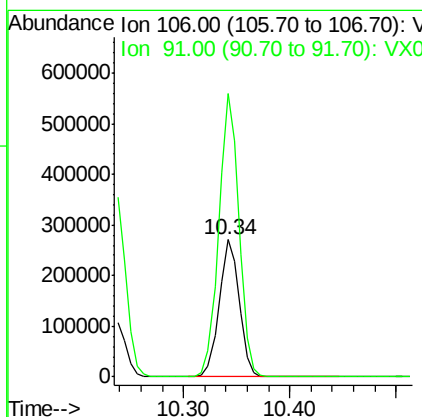
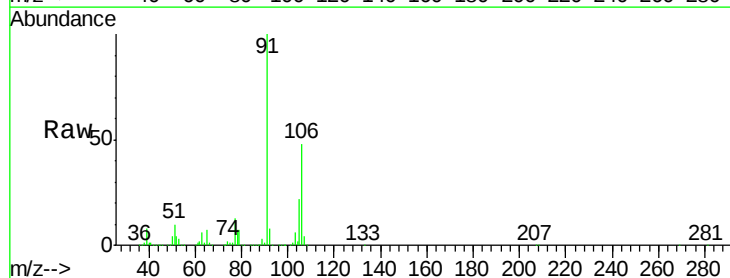
Manual Integrations
APPROVED

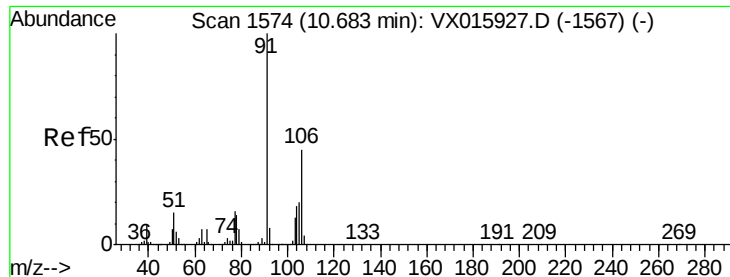
MMDadoda
4/27/2020 12:39:59 PM



#68
m/p-Xylenes
Concen: 106.601 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Tgt Ion: 106 Resp: 355590
Ion Ratio Lower Upper
106 100
91 207.1 164.9 247.3





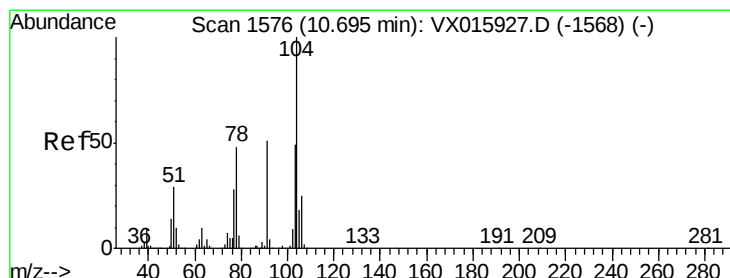
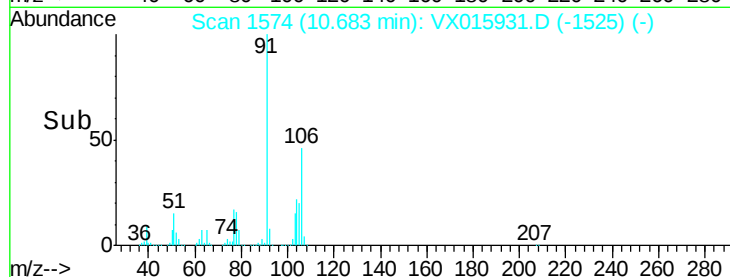
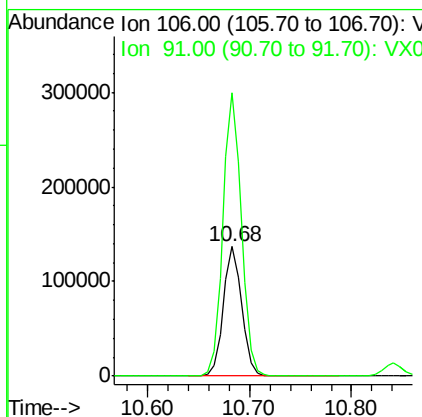
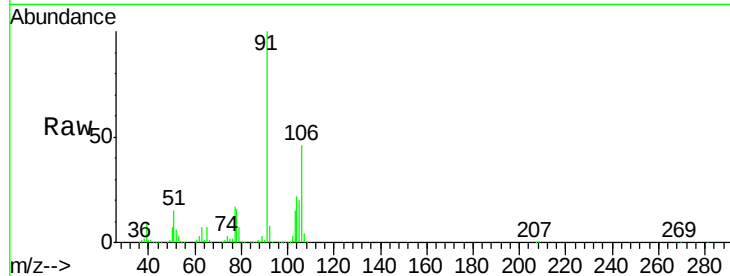
#69
o-Xylene
Concen: 52.679 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Instrument :
MSVOA_X
ClientSampleId :
ICVVX042420

Tot Ion	Ratio	Lower	Upper
106	100		
91	219.0	108.6	325.8

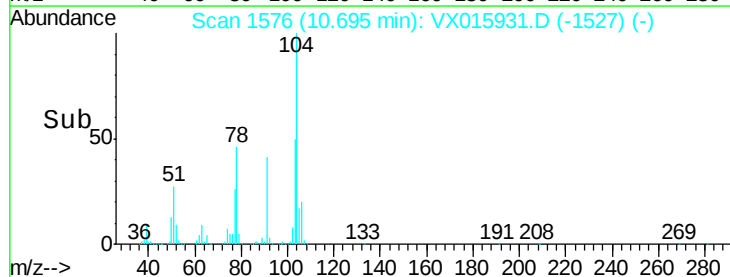
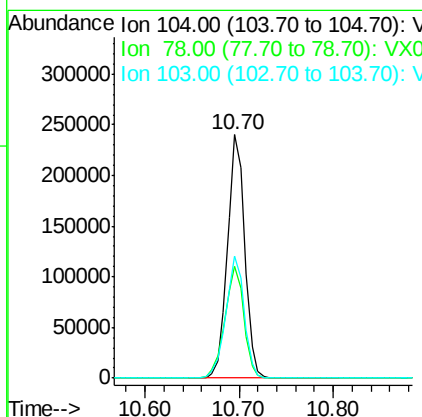
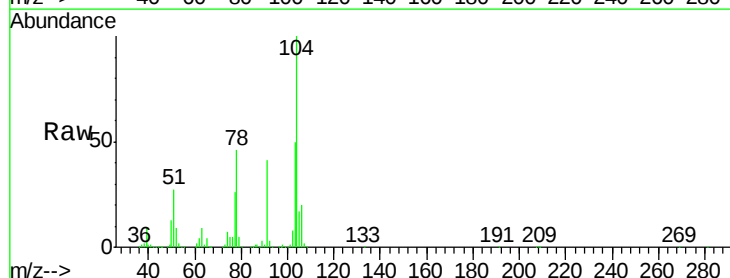
Manual Integrations
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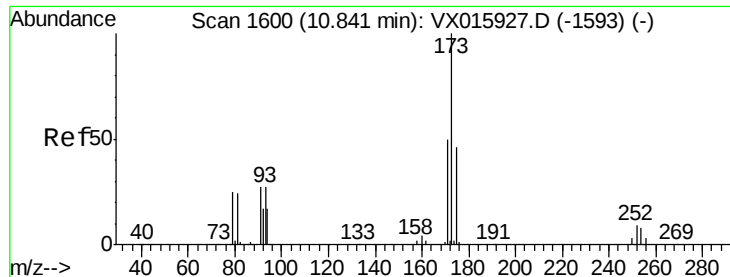
MMDadoda
4/27/2020 12:39:59 PM



#70
Styrene
Concen: 54.603 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.3	40.5	60.7
103	53.2	42.7	64.1





#71

Bromoform

Concen: 49.857 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

Instrument :

MSVOA_X

ClientSampleId :

ICVVX042420

Tot Ion:173 Resp: 66469

Ion Ratio Lower Upper

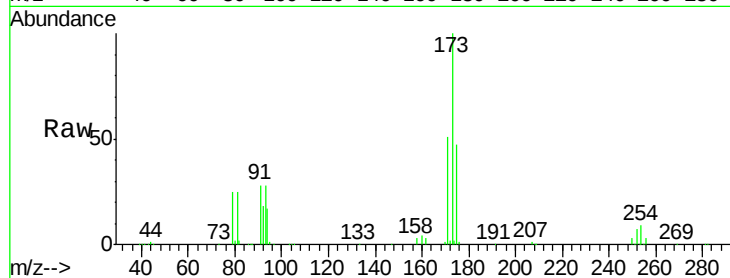
173 100

175 47.4 23.2 69.5

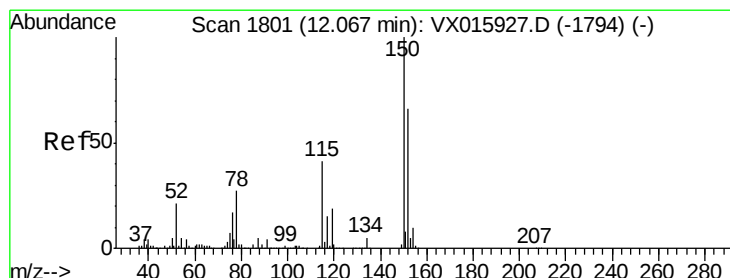
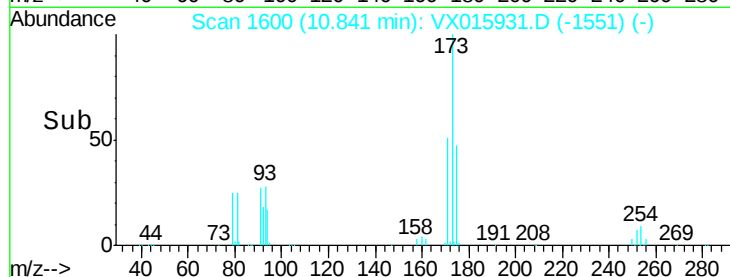
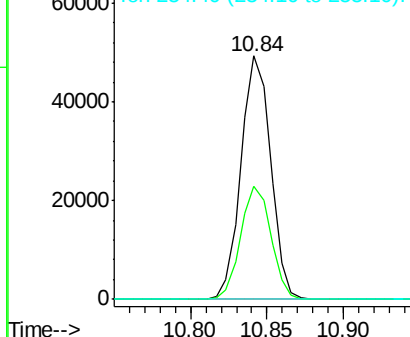
254 0.1 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.01 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

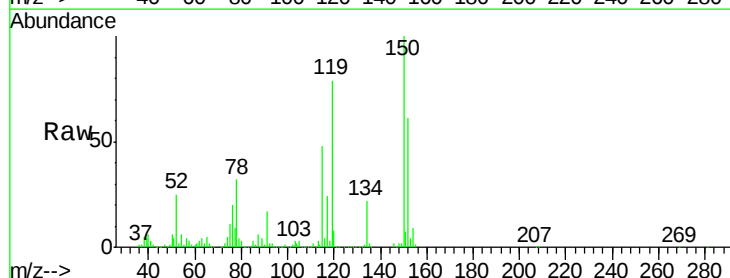
Tgt Ion:152 Resp: 122583

Ion Ratio Lower Upper

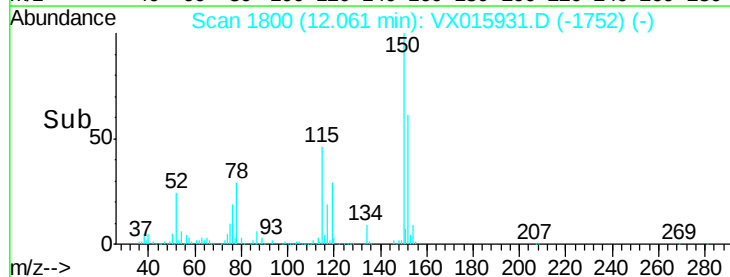
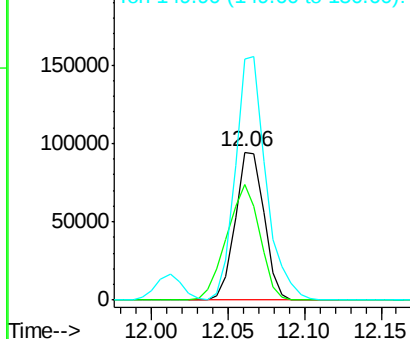
152 100

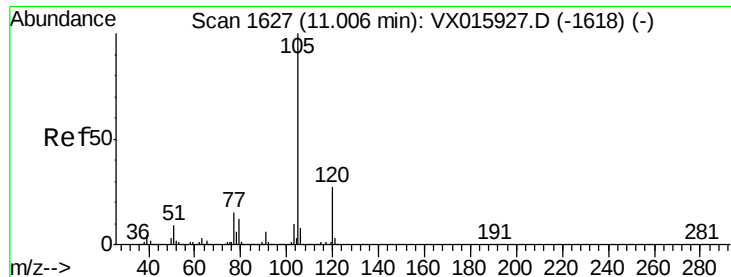
115 90.2 44.1 132.4

150 175.9 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: 50.910 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

Instrument :

MSVOA_X

ClientSampleId :

ICVVX042420

Tot Ion: 105 Resp: 463868

Ion Ratio Lower Upper

105 100

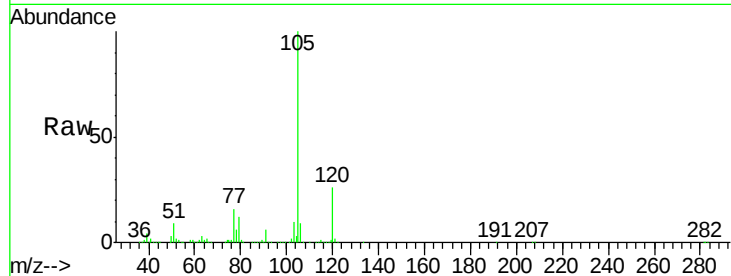
120 25.9 13.1 39.1

Manual Integrations

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4/27/2020 12:39:59 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

400000

300000

200000

100000

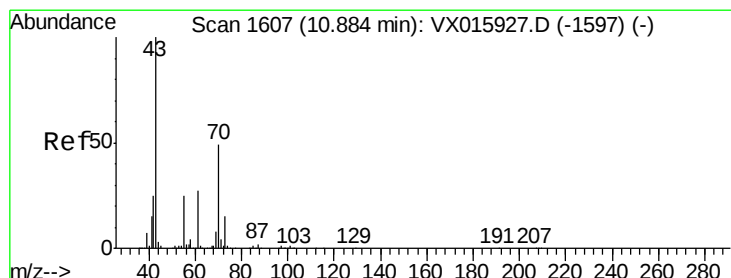
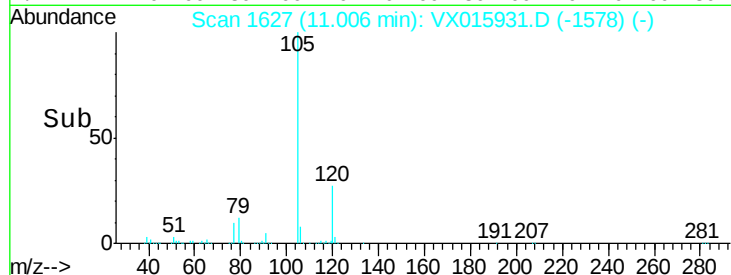
0

11.01

11.00

11.10

Time-->



#74

N-ethyl acetate

Concen: 51.956 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

Tgt Ion: 43 Resp: 205603

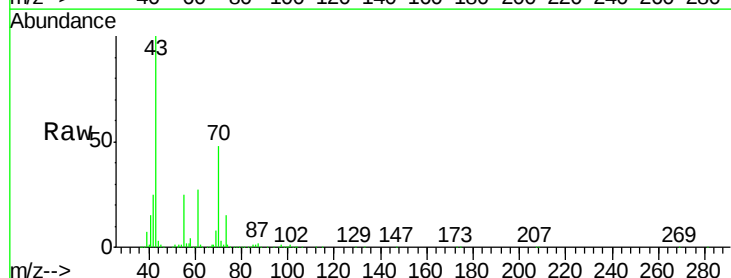
Ion Ratio Lower Upper

43 100

70 47.1 37.8 56.6

55 25.1 20.2 30.2

61 26.6 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

250000

200000

150000

100000

50000

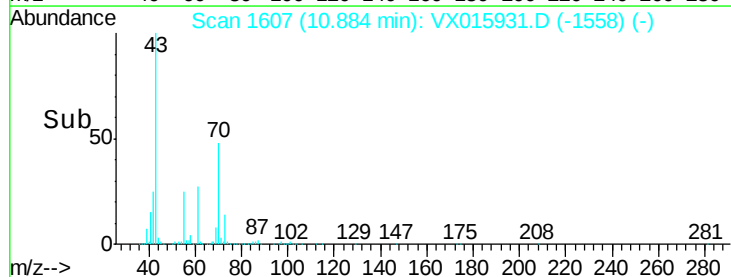
0

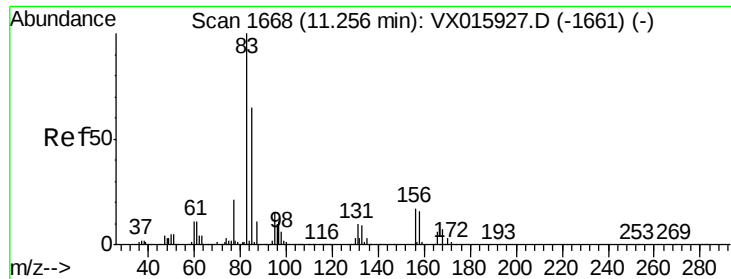
10.88

10.90

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.952 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

Instrument :

MSVOA_X

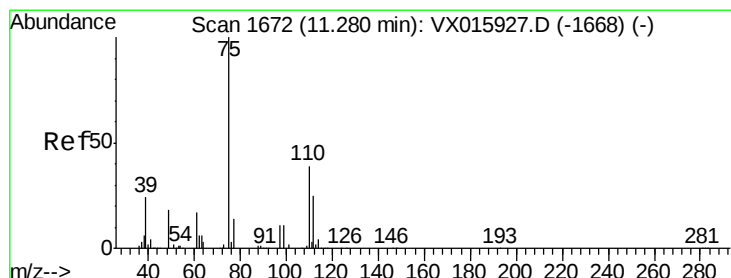
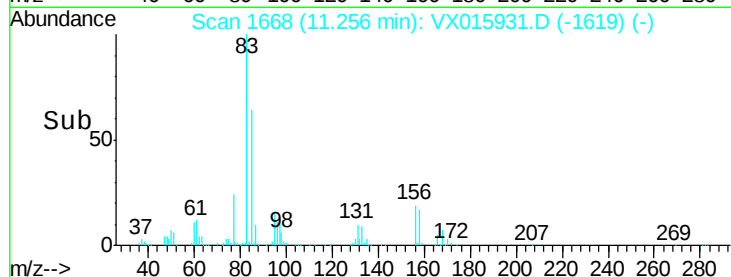
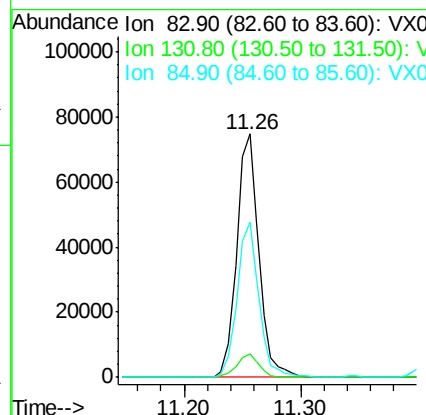
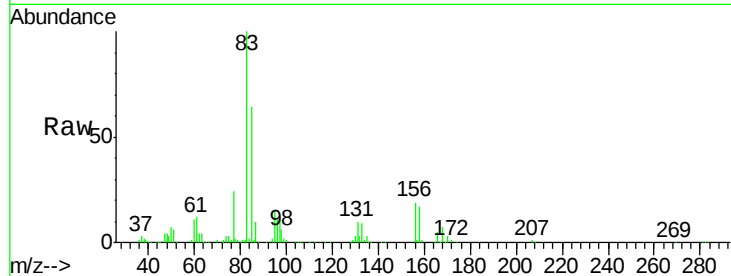
ClientSampleId :

ICVVX042420

Tot Ion:	83	Resp:	98736
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.9	14.6
85	63.5	32.1	96.3

Manual Integrations
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MMDadoda
4/27/2020 12:39:59 PM



#76

1,2,3-Trichloropropane

Concen: 51.475 ug/l m

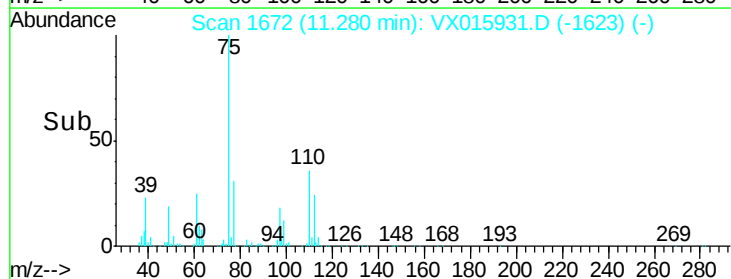
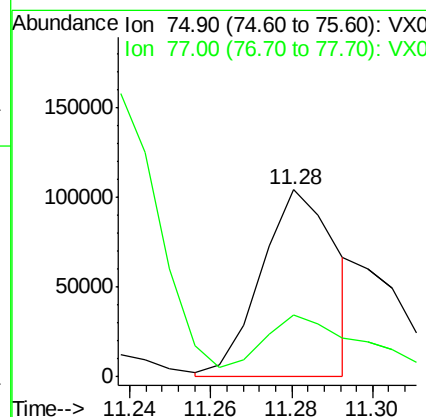
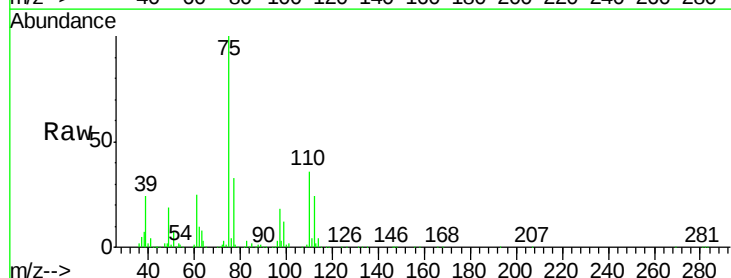
RT: 11.28 min Scan# 1672

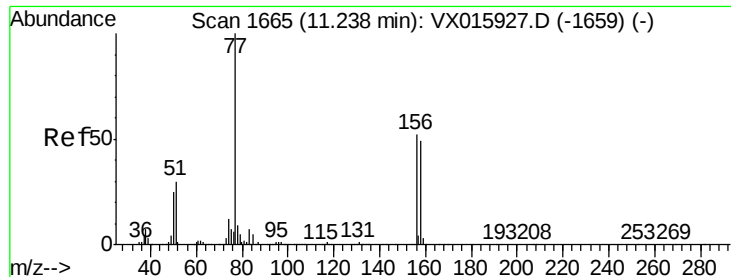
Delta R.T. 0.00 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

Tgt Ion:	75	Resp:	135352
Ion Ratio	Lower	Upper	
75	100		
77	44.2	22.1	66.5





#77

Bromobenzene

Concen: 50.465 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

Instrument :

MSVOA_X

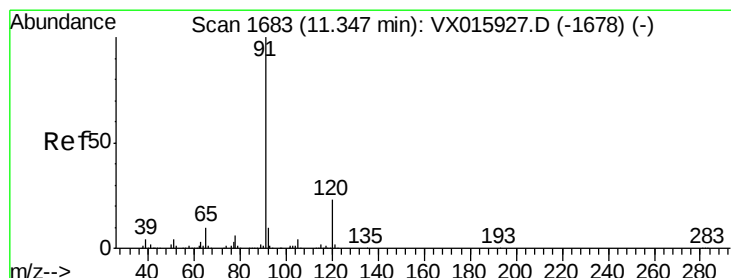
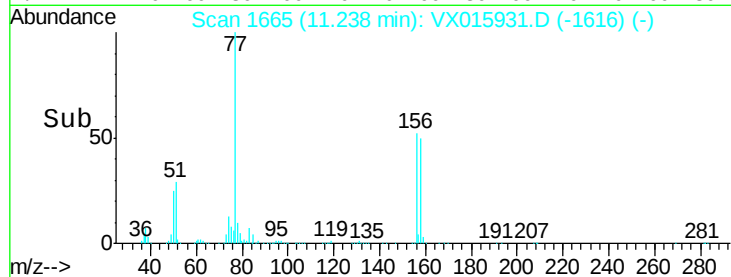
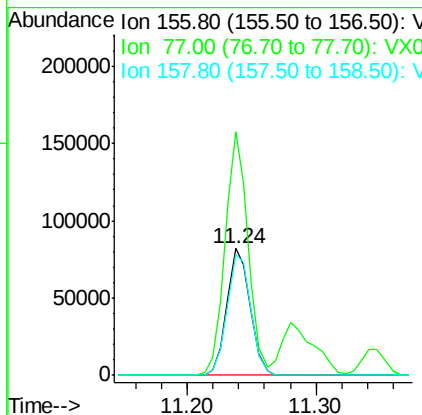
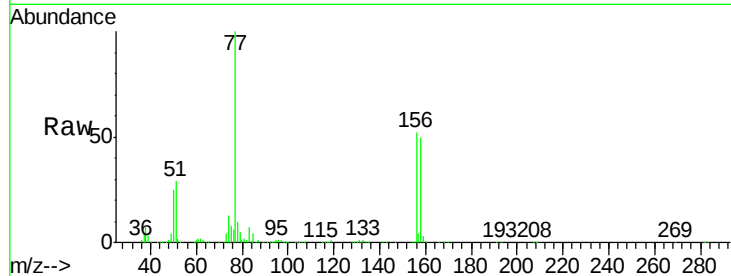
ClientSampleId :

ICVVX042420

Tot Ion:	156	Resp:	104441
Ion Ratio	Lower	Upper	
156	100		
77	189.0	94.0	281.9
158	97.6	48.6	145.9

Manual Integrations
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4/27/2020 12:39:59 PM



#78

n-propylbenzene

Concen: 50.873 ug/l

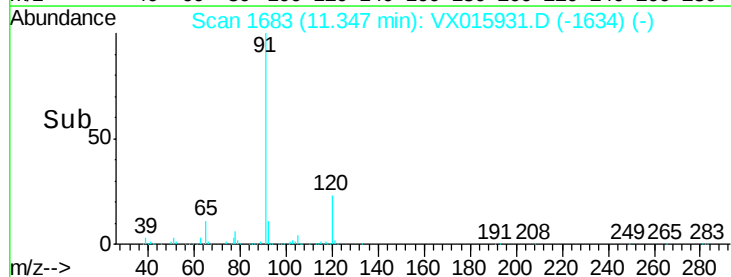
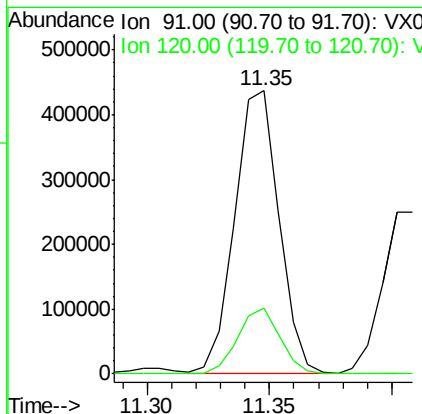
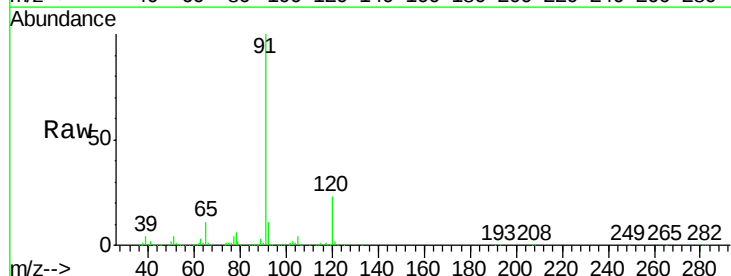
RT: 11.35 min Scan# 1683

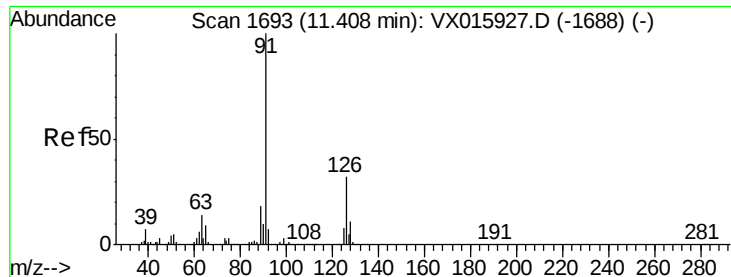
Delta R.T. 0.00 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

Tgt Ion:	91	Resp:	547270
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.2	33.6





#79

2-Chlorotoluene

Concen: 51.930 ug/l

RT: 11.41 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

Instrument :

MSVOA_X

ClientSampleId :

ICVVX042420

Tot Ion: 91 Resp: 329295

Ion Ratio Lower Upper

91 100

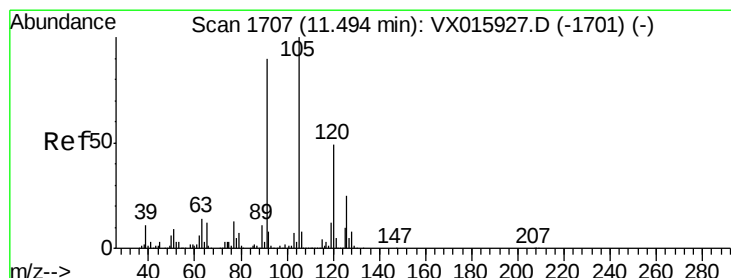
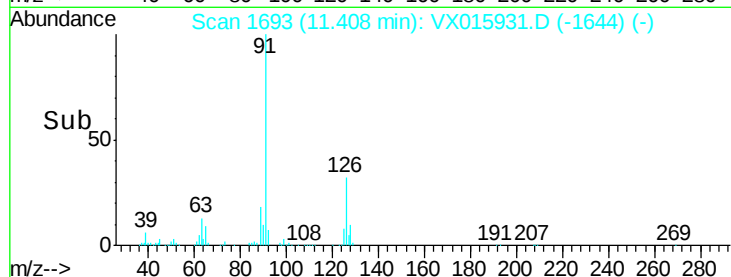
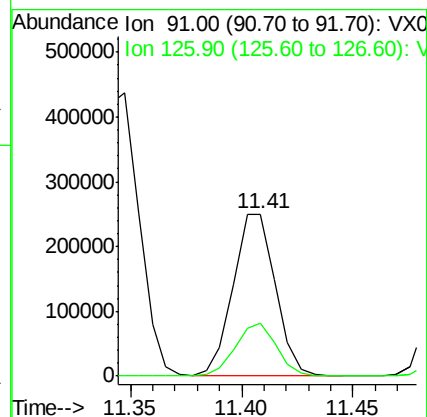
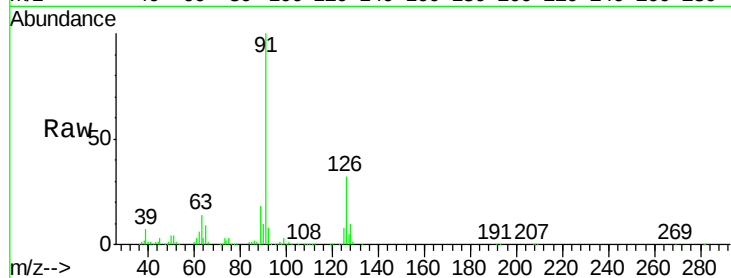
126 31.7 15.8 47.3

Manual Integrations

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4/27/2020 12:39:59 PM



#80

1,3,5-Trimethylbenzene

Concen: 51.954 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX015931.D

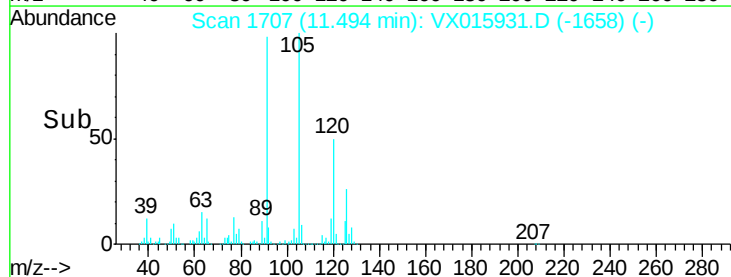
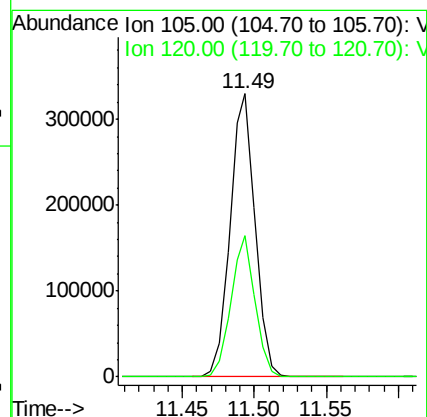
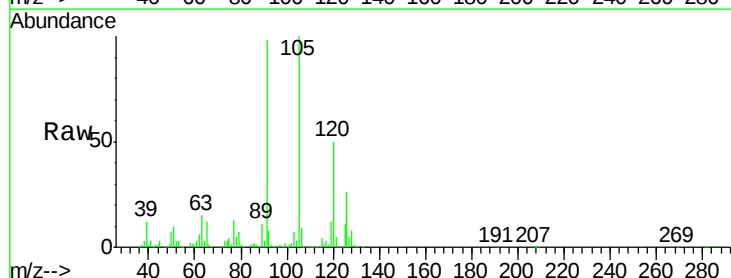
Acq: 24 Apr 2020 15:03

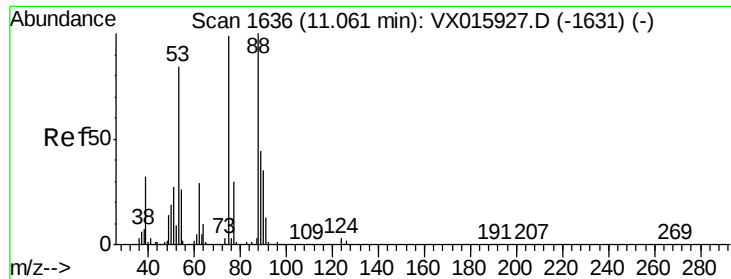
Tgt Ion: 105 Resp: 402408

Ion Ratio Lower Upper

105 100

120 47.8 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 50.838 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

Instrument :

MSVOA_X

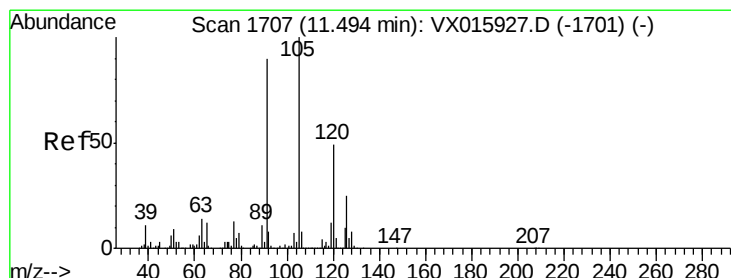
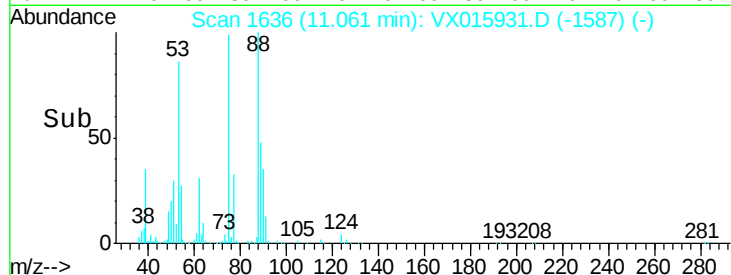
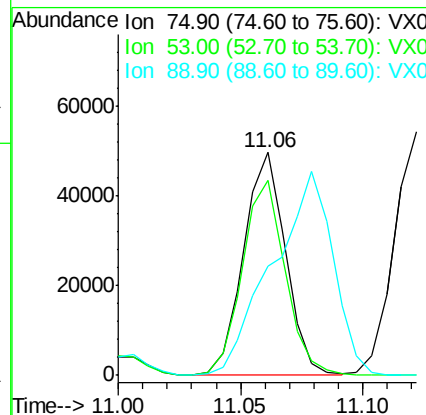
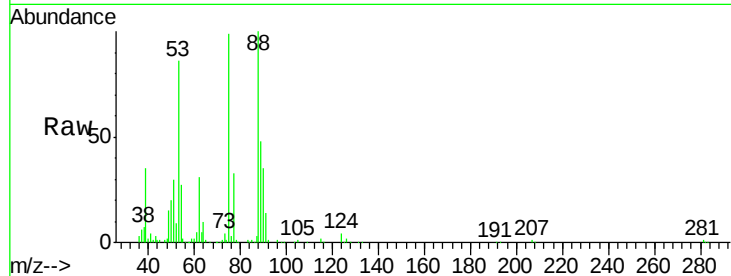
ClientSampleId :

ICVVX042420

Tot Ion:	75	Resp:	59344
Ion	Ratio	Lower	Upper
75	100		
53	89.4	69.7	104.5
89	131.9	36.3	54.5#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.566 ug/l

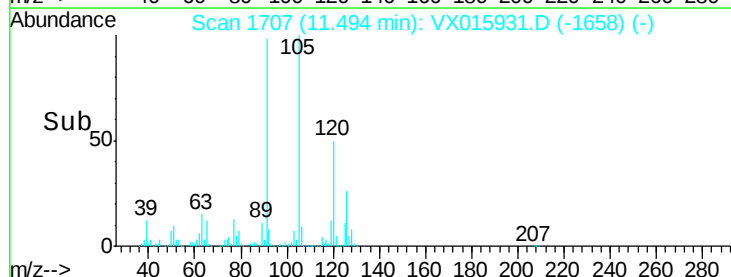
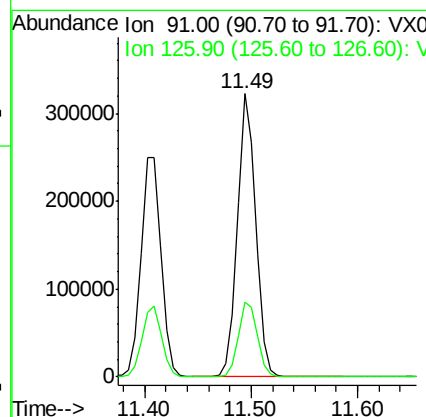
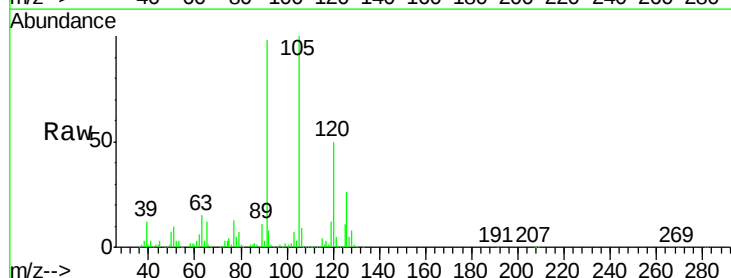
RT: 11.49 min Scan# 1707

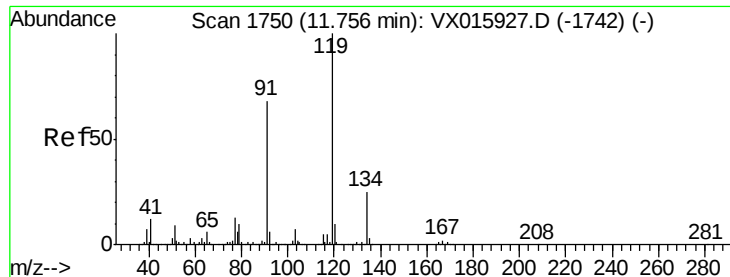
Delta R.T. 0.00 min

Lab File: VX015931.D

Acq: 24 Apr 2020 15:03

Tgt Ion:	91	Resp:	390294
Ion	Ratio	Lower	Upper
91	100		
126	27.5	14.2	42.8





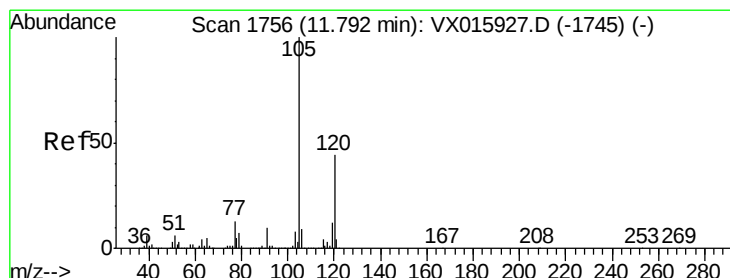
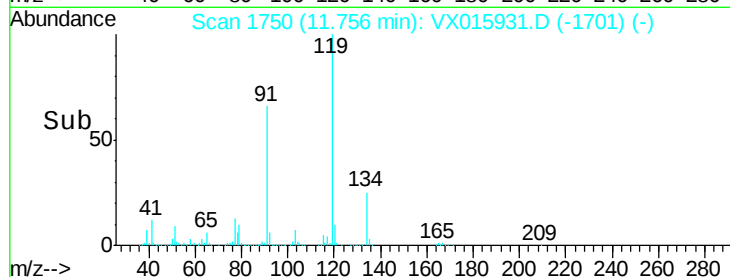
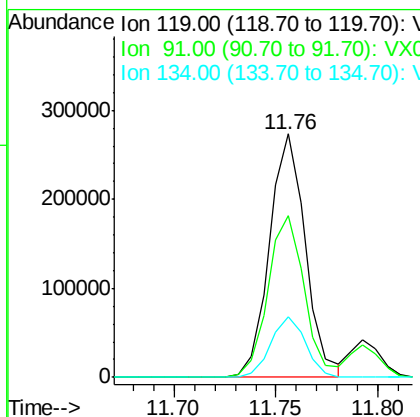
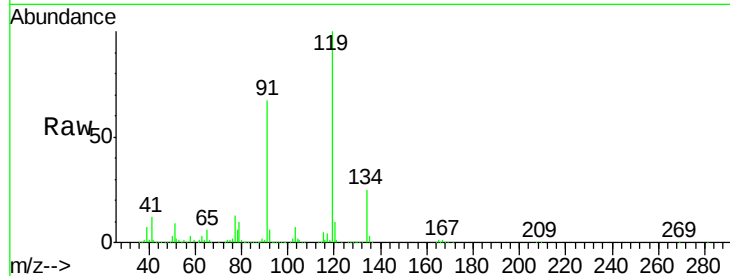
#83
tert-Butylbenzene
Concen: 51.569 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Instrument :
MSVOA_X
ClientSampleId :
ICVVX042420

Tot Ion	Ratio	Resp	Lower	Upper
119	100	335855		
91	67.5	34.3	102.8	
134	24.0	12.1	36.3	

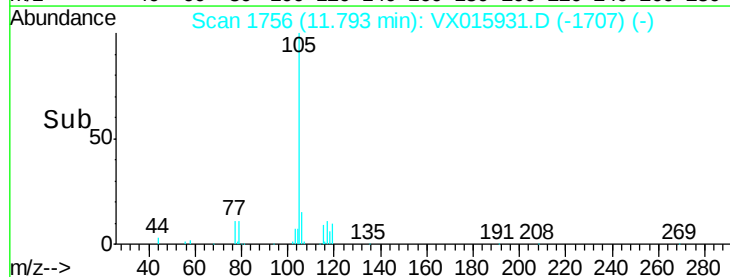
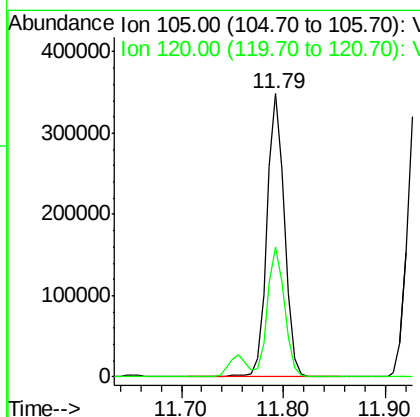
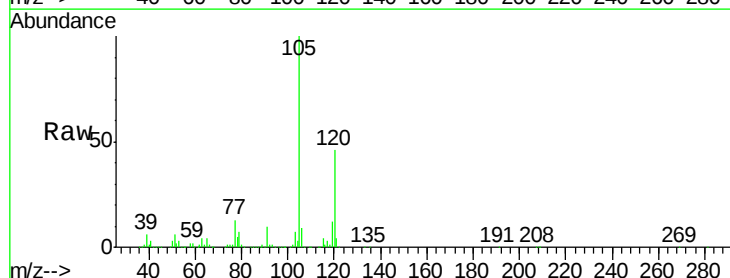
Manual Integrations
APPROVED

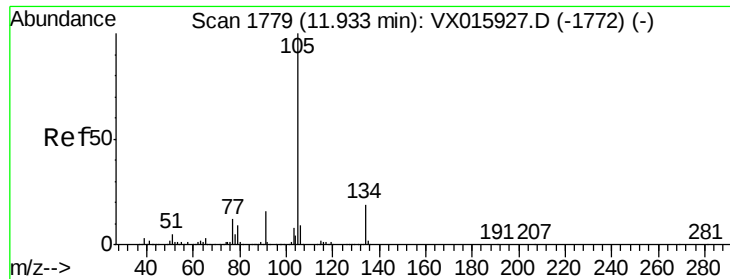
MMDadoda
4/27/2020 12:39:59 PM



#84
1,2,4-Trimethylbenzene
Concen: 51.929 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	412423		
120	44.9	22.3	66.8	





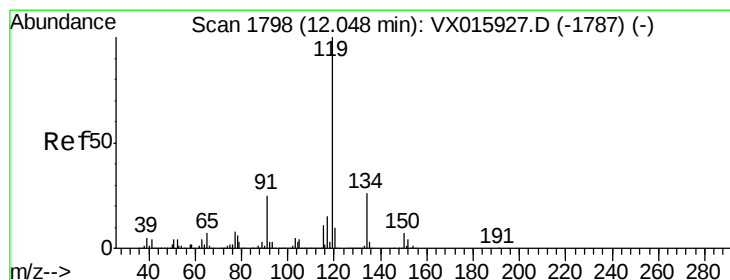
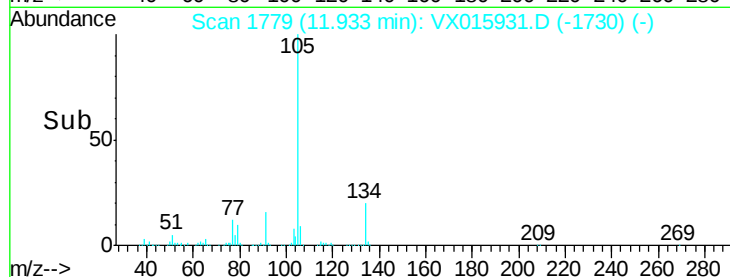
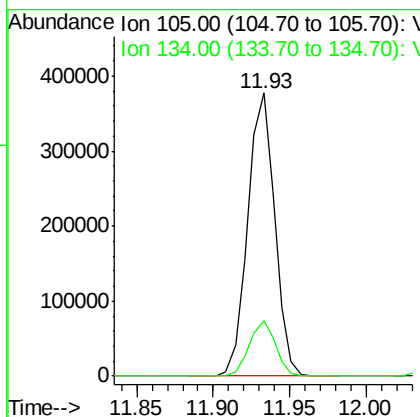
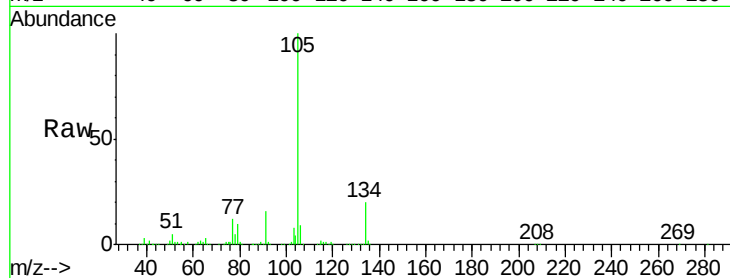
#85
 sec-Butylbenzene
 Concen: 51.576 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: VX015931.D
 Acq: 24 Apr 2020 15:03

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX042420

Tot Ion	Ratio	Resp	Lower	Upper
105	100	459910		
134	19.2	9.3	28.0	

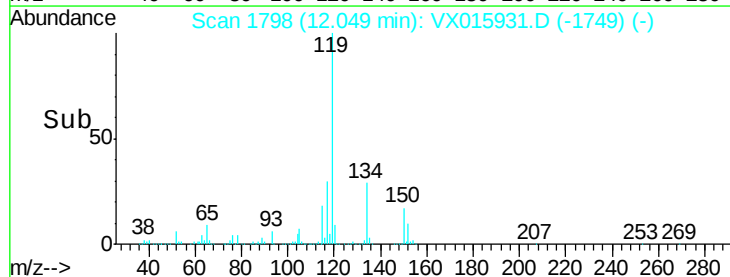
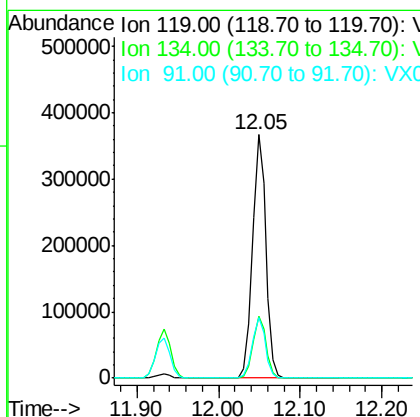
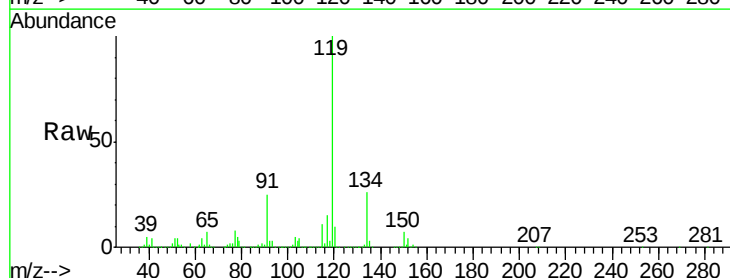
Manual Integrations
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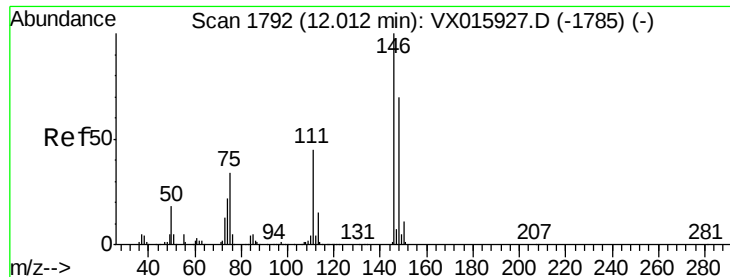
MMDadoda
 4/27/2020 12:39:59 PM



#86
 p-Isopropyltoluene
 Concen: 52.187 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX015931.D
 Acq: 24 Apr 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	424350		
134	25.2	12.6	37.8	
91	24.3	12.2	36.6	





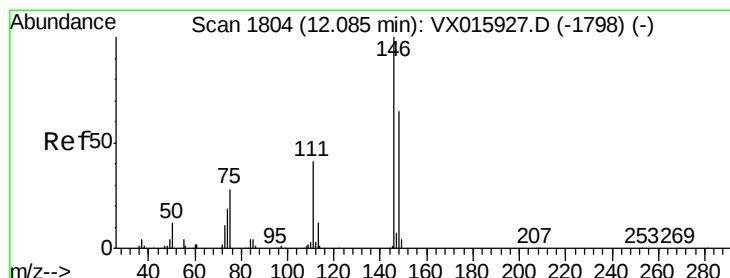
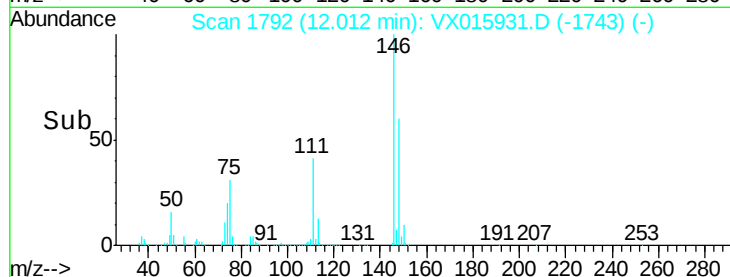
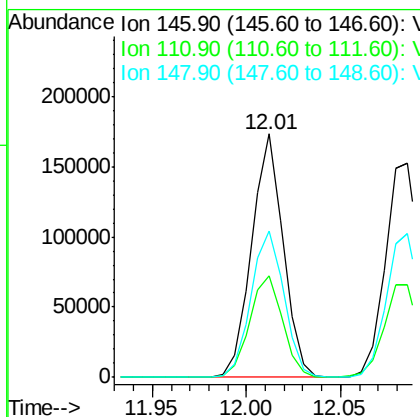
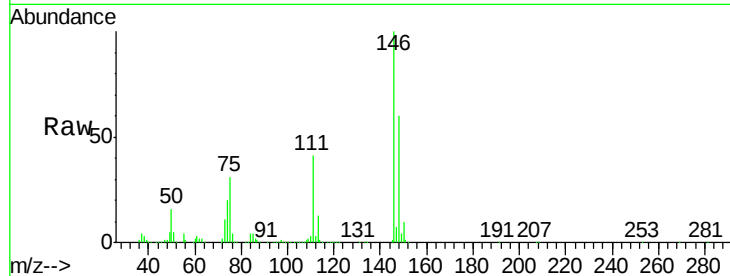
#87
 1,3-Dichlorobenzene
 Concen: 53.063 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX015931.D
 Acq: 24 Apr 2020 15:03

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX042420

Tot Ion	Ratio	Resp	Lower	Upper
146	100	201921		
111	43.3	22.2	66.6	
148	62.7	32.8	98.4	

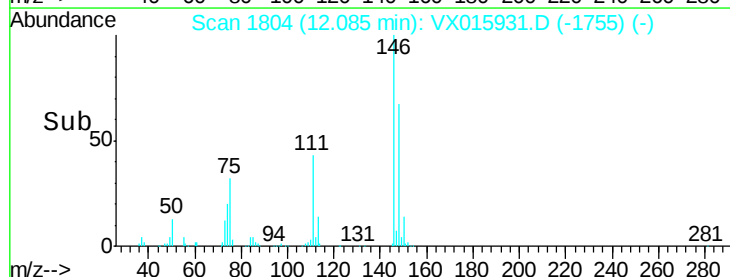
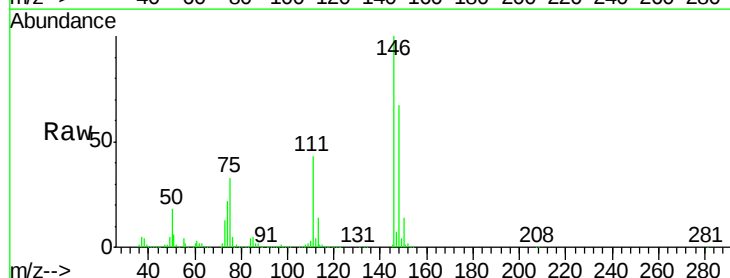
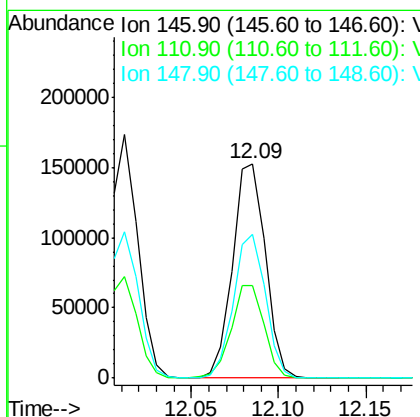
Manual Integrations
 APPROVED

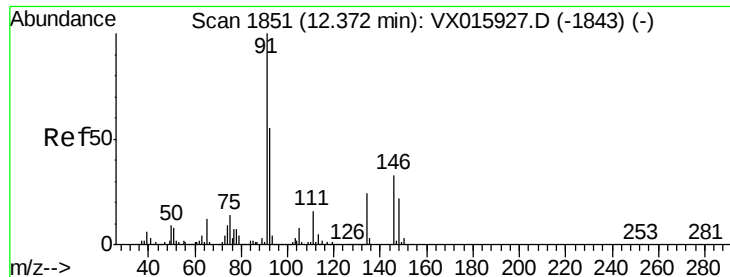
MMDadoda
 4/27/2020 12:39:59 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.847 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VX015931.D
 Acq: 24 Apr 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	199240		
111	43.5	21.6	64.6	
148	65.7	32.3	96.8	





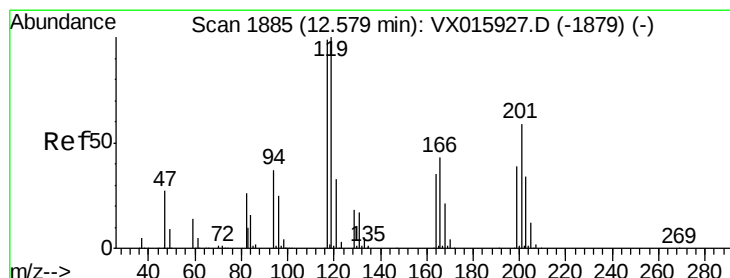
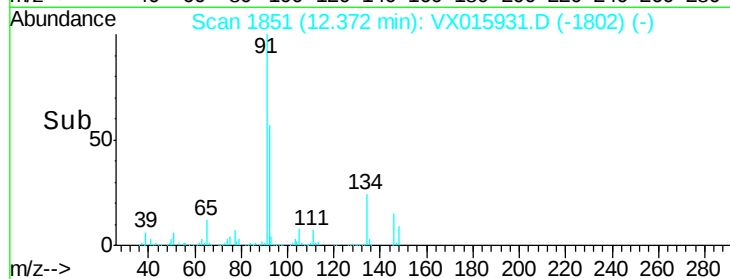
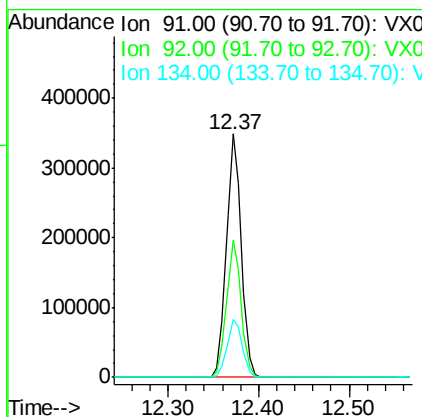
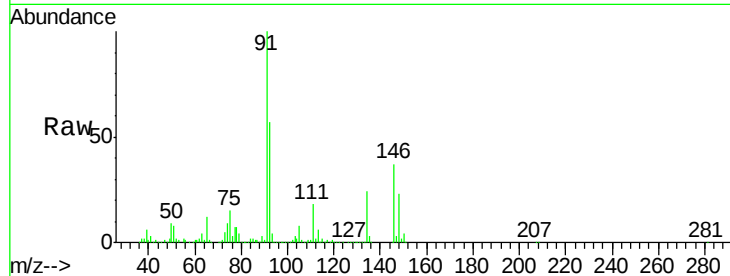
#89
n-Butylbenzene
Concen: 52.849 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Instrument :
MSVOA_X
ClientSampled :
ICVVX042420

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	55.6	27.3	81.9	
134	24.5	12.2	36.4	

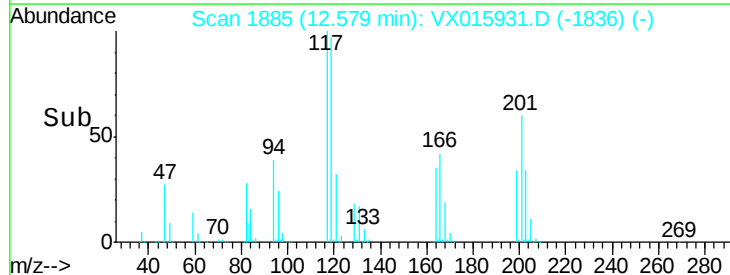
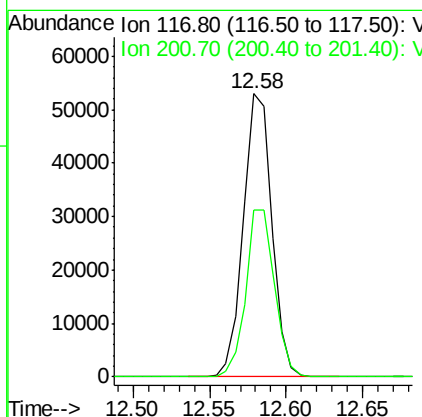
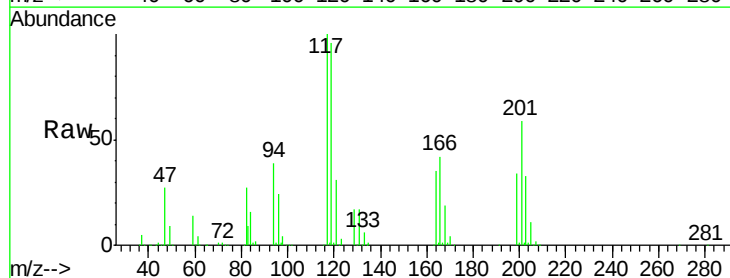
Manual Integrations
APPROVED

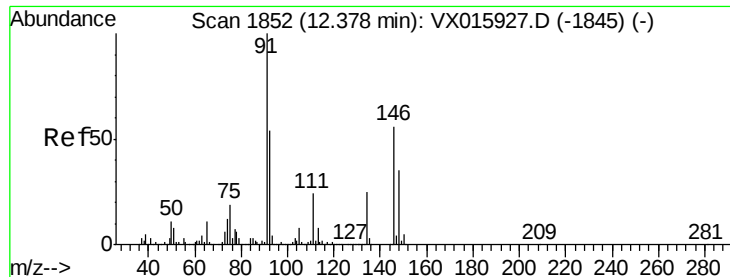
MMDadoda
4/27/2020 12:39:59 PM



#90
Hexachloroethane
Concen: 54.053 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	59.3	32.1	96.3	





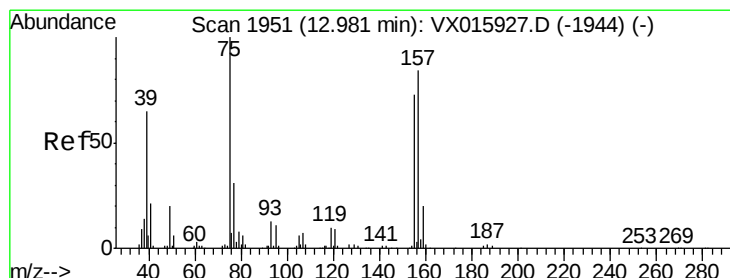
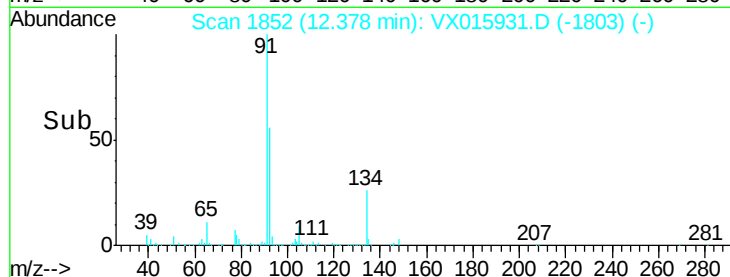
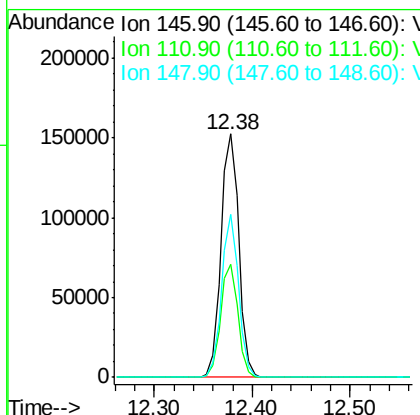
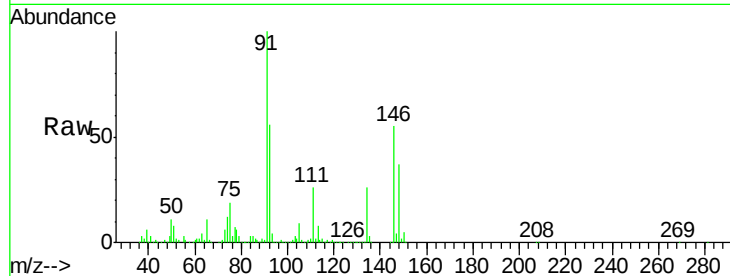
#91
 1,2-Dichlorobenzene
 Concen: 51.966 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX015931.D
 Acq: 24 Apr 2020 15:03

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX042420

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.6	22.3	66.8
148	63.7	31.4	94.2

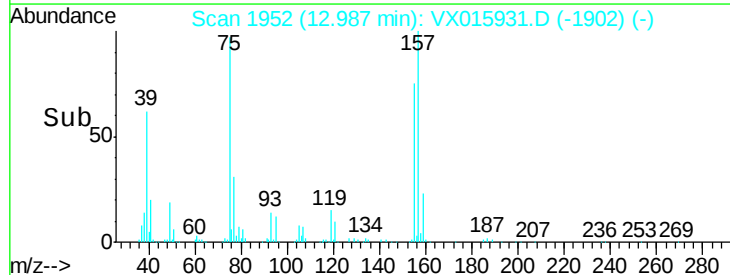
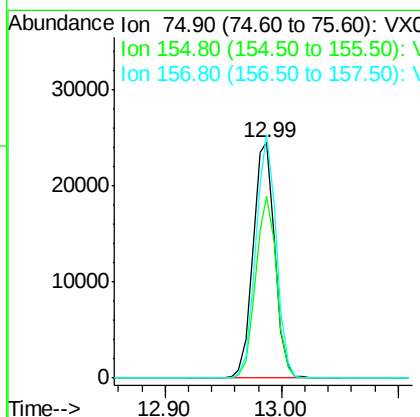
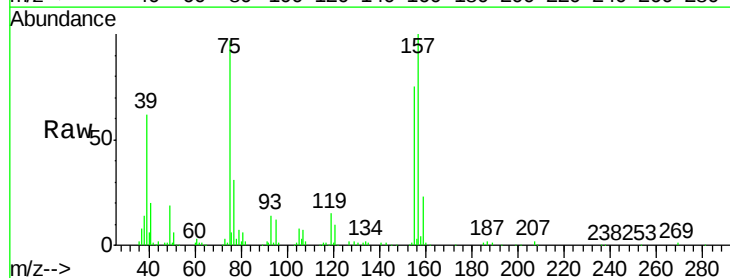
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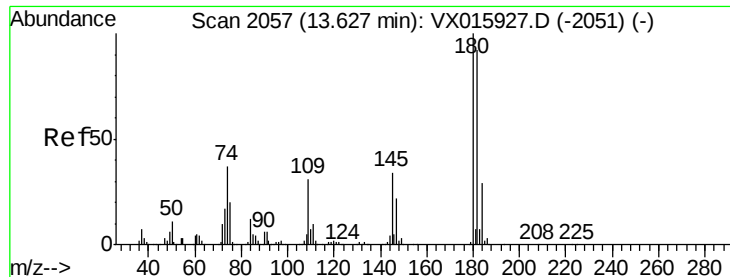
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 4/27/2020 12:39:59 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.740 ug/l
 RT: 12.99 min Scan# 1952
 Delta R.T. 0.01 min
 Lab File: VX015931.D
 Acq: 24 Apr 2020 15:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.7	37.9	113.6
157	97.1	47.9	143.8





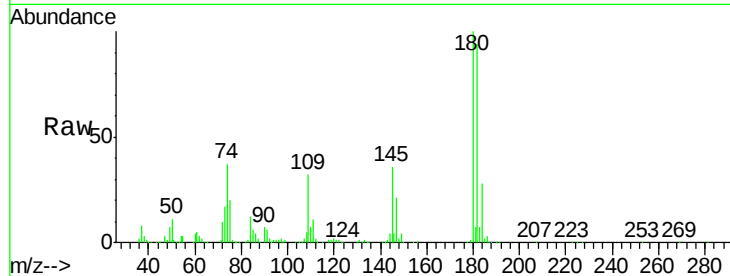
#93
1,2,4-Trichlorobenzene
Concen: 53.197 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Instrument :
MSVOA_X
ClientSampleId :
ICVVX042420

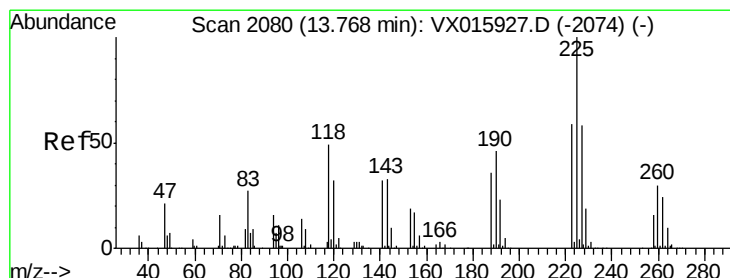
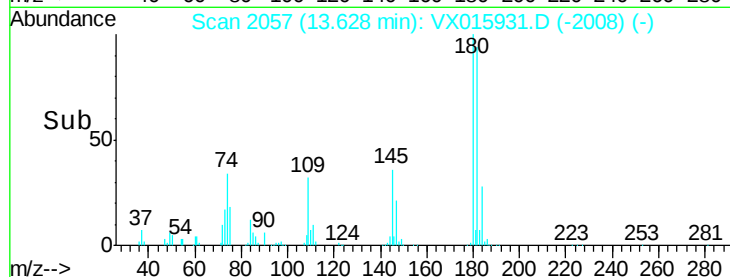
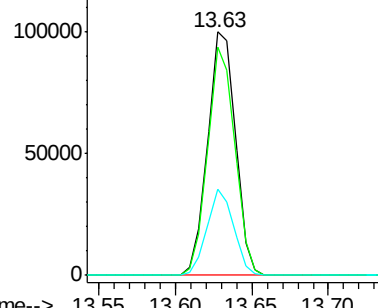
Tot Ion	Ratio	Resp	Lower	Upper
180	100	126633		
182	91.9	47.6	142.9	
145	33.9	17.3	52.0	

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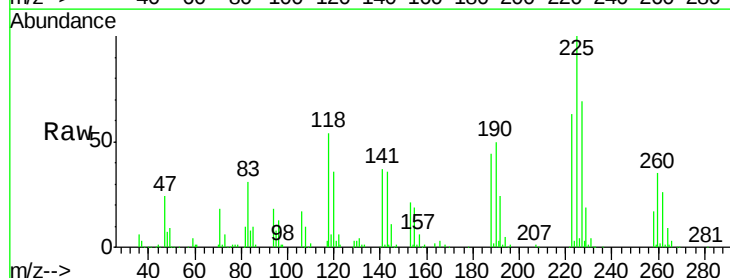


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

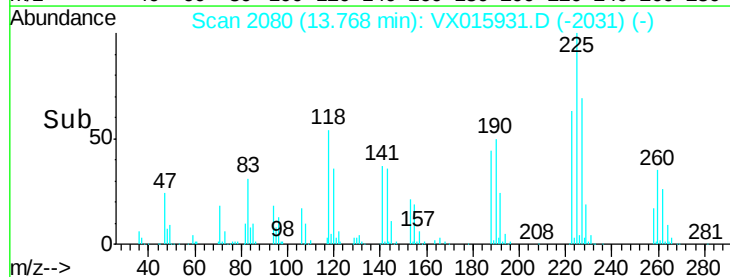
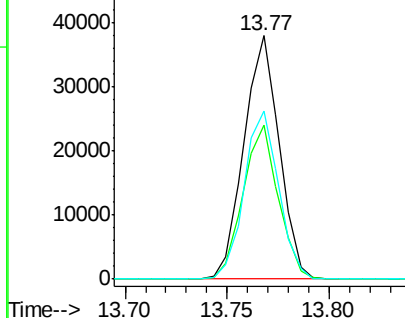


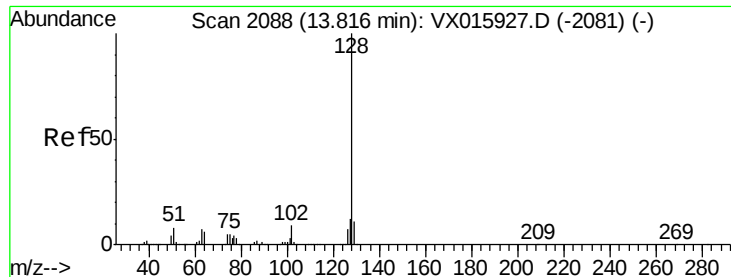
#94
Hexachlorobutadiene
Concen: 54.283 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	45805		
223	63.2	30.6	91.6	
227	67.3	32.0	96.2	



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





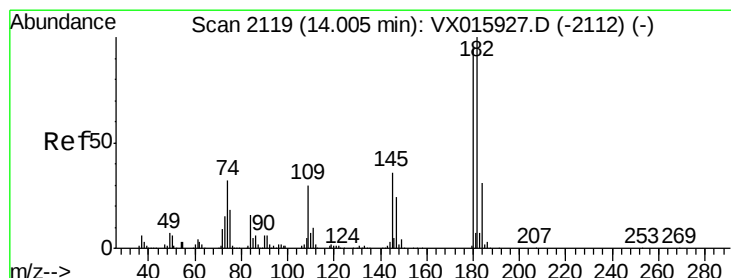
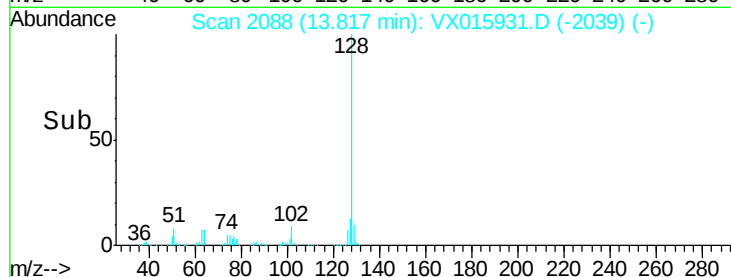
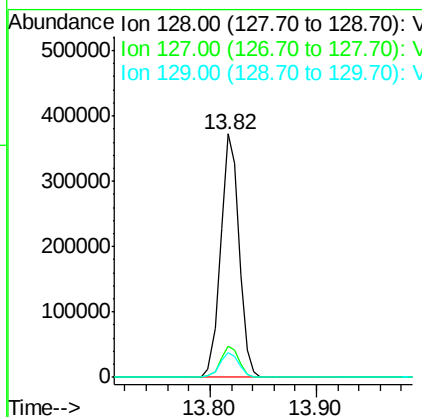
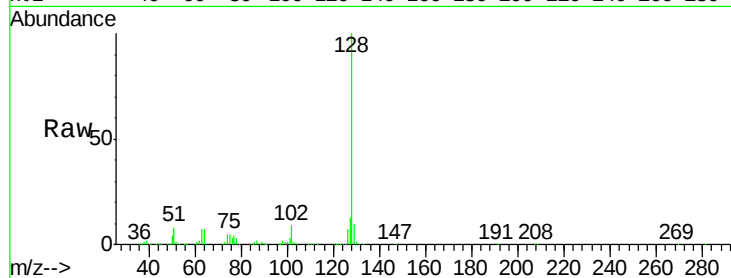
#95
Naphthalene
Concen: 51.751 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Instrument :
MSVOA_X
ClientSampleId :
ICVVX042420

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.6	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 51.915 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VX015931.D
Acq: 24 Apr 2020 15:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.6	50.1	150.3
145	37.0	18.9	56.9

