

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042820\
 Data File : VX015967.D
 Acq On : 28 Apr 2020 17:17
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX042820

Manual Integrations
 APPROVED

MMDadoda
 4/30/2020 3:00:03 PM

Quant Time: Apr 28 17:45:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 17:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	256768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	408667	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	381267	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	193971	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	171813	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
35) Dibromofluoromethane	5.47	113	131515	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
50) Toluene-d8	8.70	98	494375	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
62) 4-Bromofluorobenzene	11.12	95	194241	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	125020	54.411	ug/l	98
3) Chloromethane	1.31	50	141193	50.704	ug/l	100
4) Vinyl Chloride	1.39	62	168812	53.381	ug/l	100
5) Bromomethane	1.62	94	110411	52.006	ug/l	98
6) Chloroethane	1.70	64	106939	50.837	ug/l	99
7) Trichlorofluoromethane	1.91	101	250765	52.462	ug/l	99
8) Diethyl Ether	2.17	74	102463	51.346	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	123541	51.850	ug/l	100
10) Methyl Iodide	2.49	142	177128	53.292	ug/l	100
11) Tert butyl alcohol	3.01	59	217134	266.448	ug/l	99
12) 1,1-Dichloroethene	2.36	96	126194	51.368	ug/l	99
13) Acrolein	2.27	56	53491	261.190	ug/l	100
14) Allyl chloride	2.70	41	233242	52.653	ug/l	100
15) Acrylonitrile	3.12	53	428538	265.213	ug/l	100
16) Acetone	2.42	43	375456	261.536	ug/l	96
17) Carbon Disulfide	2.55	76	377338	52.663	ug/l	100
18) Methyl Acetate	2.75	43	218090	53.535	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	471134	53.023	ug/l	99
20) Methylene Chloride	2.84	84	142516	50.149	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	141396	51.070	ug/l	98
22) Diisopropyl ether	3.82	45	457697	52.554	ug/l	99
23) Vinyl Acetate	3.79	43	2026106	267.814	ug/l	100
24) 1,1-Dichloroethane	3.67	63	256015	52.770	ug/l	100
25) 2-Butanone	4.64	43	620124	266.568	ug/l	99
26) 2,2-Dichloropropane	4.55	77	229647	51.770	ug/l	99
27) cis-1,2-Dichloroethene	4.57	96	161579	51.427	ug/l	99
28) Bromochloromethane	4.98	49	118985	50.682	ug/l	100
29) Tetrahydrofuran	5.09	42	401148	263.121	ug/l	100
30) Chloroform	5.18	83	263348	52.202	ug/l	100
31) Cyclohexane	5.55	56	226725	52.494	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	242429	52.192	ug/l	99
36) 1,1-Dichloropropene	5.77	75	198018	50.874	ug/l	99
37) Ethyl Acetate	4.79	43	237286	53.165	ug/l	99
38) Carbon Tetrachloride	5.76	117	214807	52.249	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	234105	51.997	ug/l	98
40) Benzene	6.12	78	571343	51.445	ug/l	99
41) Methacrylonitrile	5.01	41	129992	54.412	ug/l	98
42) 1,2-Dichloroethane	6.17	62	220213	51.175	ug/l	99
43) Isopropyl Acetate	6.42	43	390086	52.780	ug/l	100
44) Trichloroethene	7.19	130	196834	49.171	ug/l	97
45) 1,2-Dichloropropane	7.49	63	149579	52.114	ug/l	97
46) Dibromomethane	7.64	93	106194	52.069	ug/l	99
47) Bromodichloromethane	7.88	83	215380	53.143	ug/l	99
48) Methyl methacrylate	7.75	41	182637	53.522	ug/l	99
49) 1,4-Dioxane	7.71	88	84441	1051.887	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	1202402	268.212	ug/l	99
52) Toluene	8.77	92	368733	52.306	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	251723	52.345	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	258161	52.197	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	147795	52.461	ug/l	99
56) Ethyl methacrylate	9.16	69	248115	54.163	ug/l	99
57) 1,3-Dichloropropane	9.35	76	254325	52.541	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	634561	268.060	ug/l	100
59) 2-Hexanone	9.48	43	947941	270.569	ug/l	100
60) Dibromochloromethane	9.57	129	173656	55.073	ug/l	97
61) 1,2-Dibromoethane	9.66	107	162395	53.158	ug/l	100
64) Tetrachloroethene	9.32	164	226619	50.104	ug/l	98
65) Chlorobenzene	10.12	112	399706	51.473	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	154352	52.591	ug/l	99
67) Ethyl Benzene	10.24	91	723004	52.281	ug/l	99
68) m/p-Xylenes	10.34	106	544042	103.676	ug/l	99
69) o-Xylene	10.68	106	262154	52.619	ug/l	99
70) Styrene	10.70	104	450876	52.742	ug/l	99
71) Bromoform	10.84	173	129725	48.622	ug/l #	99
73) Isopropylbenzene	11.01	105	708765	53.713	ug/l	100
74) N-amyl acetate	10.88	43	343708	54.008	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	157884	51.431	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	216256m	53.132	ug/l	
77) Bromobenzene	11.24	156	183160	53.924	ug/l	99
78) n-propylbenzene	11.35	91	822595	54.191	ug/l	99
79) 2-Chlorotoluene	11.41	91	482180	53.314	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	602797	54.230	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	93069	54.036	ug/l	99
82) 4-Chlorotoluene	11.49	91	579694	53.591	ug/l	99
83) tert-Butylbenzene	11.76	119	524379	54.713	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	606996	54.259	ug/l	100
85) sec-Butylbenzene	11.93	105	700047	54.214	ug/l	99
86) p-Isopropyltoluene	12.05	119	653479	54.029	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	325471	52.546	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	326873	52.216	ug/l	99
89) n-Butylbenzene	12.37	91	595449	54.486	ug/l	100
90) Hexachloroethane	12.58	117	116894	54.699	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	311373	52.570	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	57527	52.806	ug/l	99

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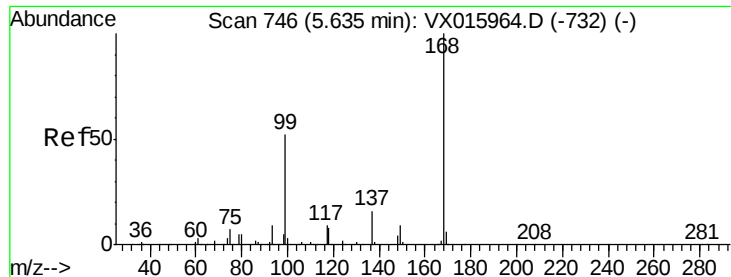
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	230531	51.856	ug/l	97
94) Hexachlorobutadiene	13.77	225	101428	51.065	ug/l	99
95) Naphthalene	13.82	128	766950	54.699	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	227551	53.158	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX042820

Tot Ion:168 Resp: 256768

Ion Ratio Lower Upper

168 100

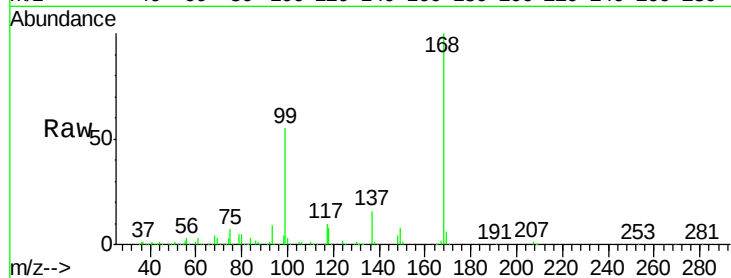
99 55.4 41.7 62.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

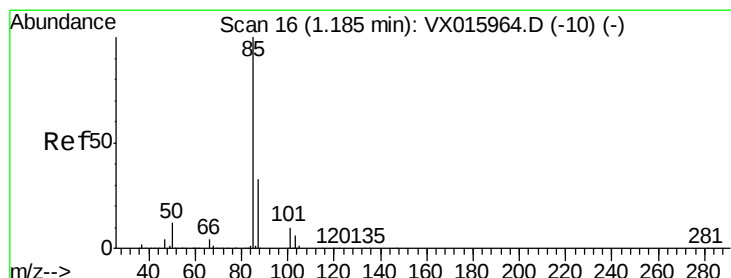
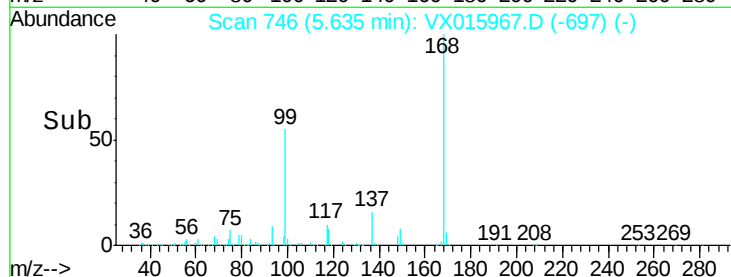
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 54.411 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX015967.D

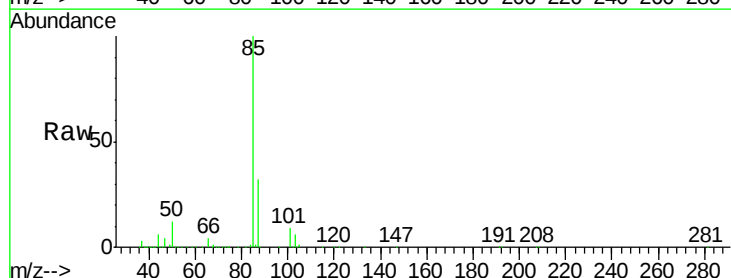
Acq: 28 Apr 2020 17:17

Tgt Ion: 85 Resp: 125020

Ion Ratio Lower Upper

85 100

87 32.4 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

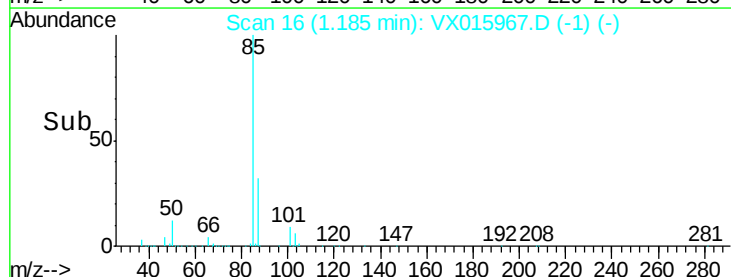
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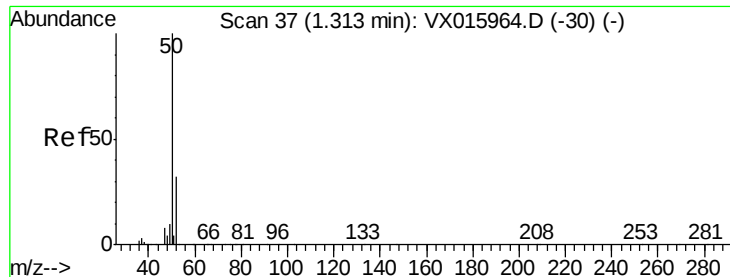
100000

50000

0

Time-->





#3

Chloromethane

Concen: 50.704 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX042820

Tot Ion: 50 Resp: 141193

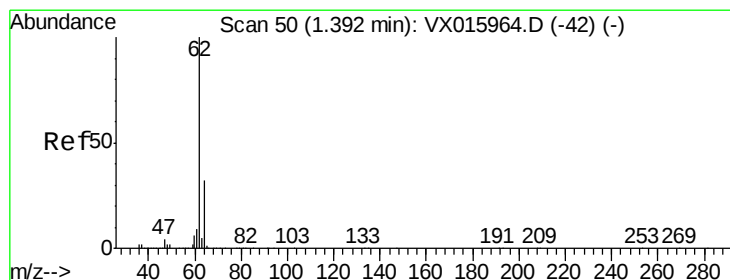
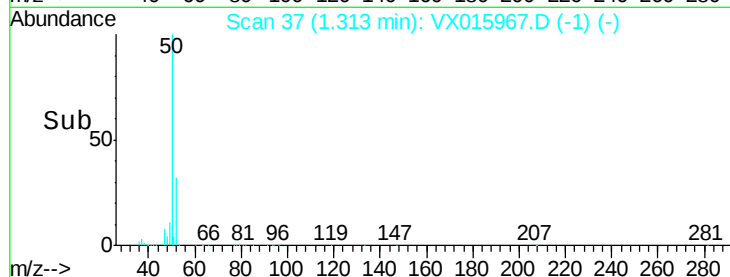
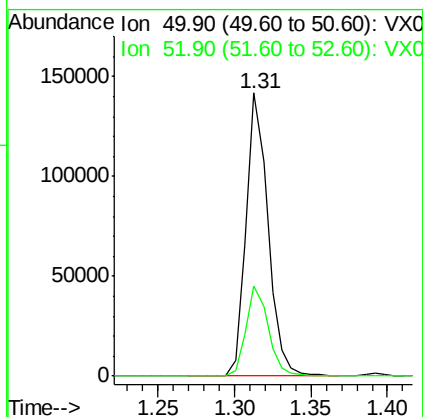
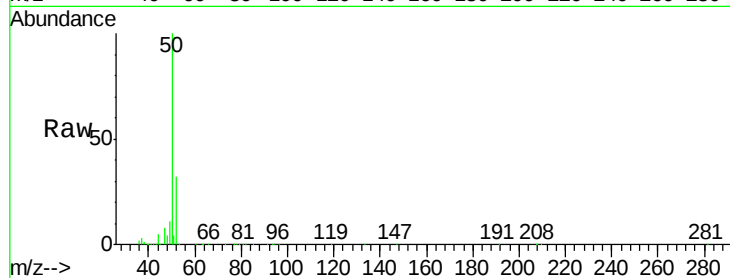
Ion Ratio Lower Upper

50 100

52 31.8 25.5 38.3

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#4

Vinyl Chloride

Concen: 53.381 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX015967.D

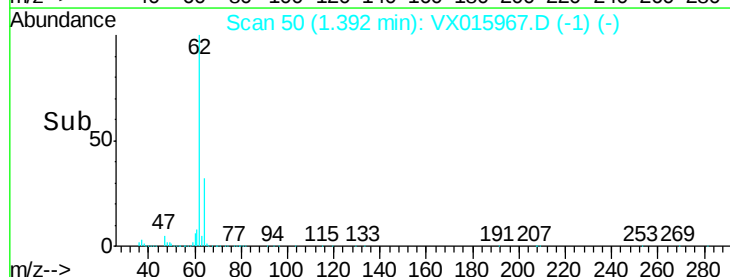
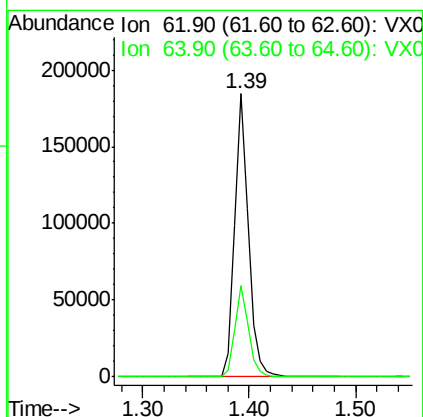
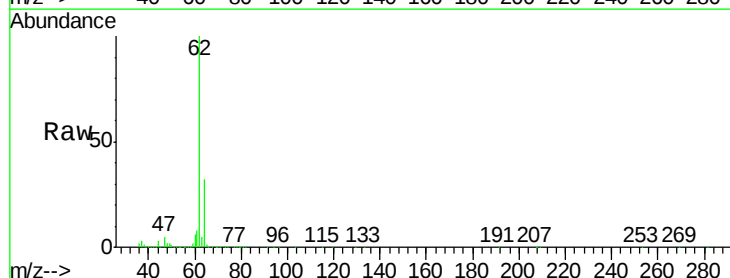
Acq: 28 Apr 2020 17:17

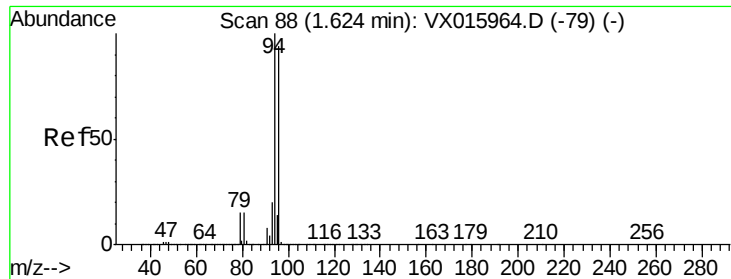
Tgt Ion: 62 Resp: 168812

Ion Ratio Lower Upper

62 100

64 32.3 25.8 38.6





#5

Bromomethane

Concen: 52.006 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Instrument :

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ClientSampleId :

ICVVX042820

Tot Ion: 94 Resp: 110411

Ion Ratio Lower Upper

94 100

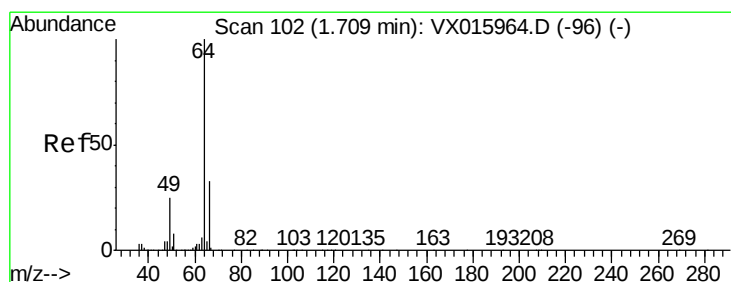
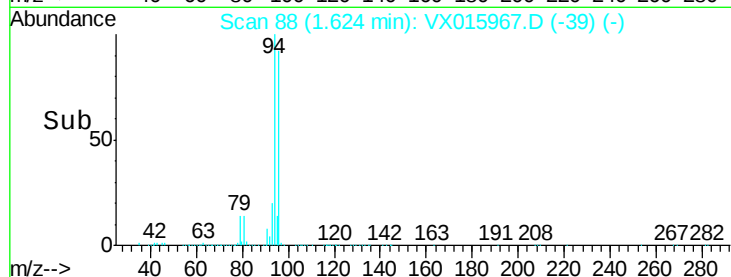
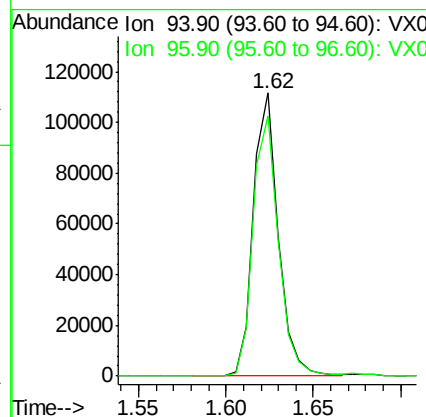
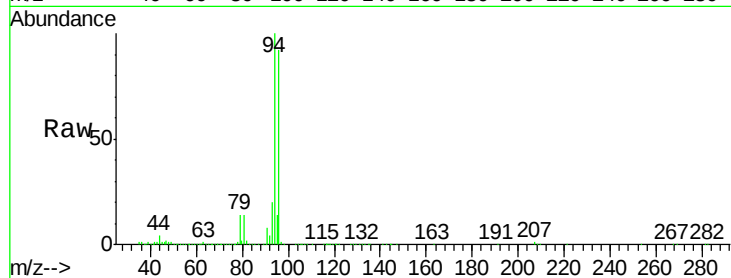
96 92.1 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 50.837 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX015967.D

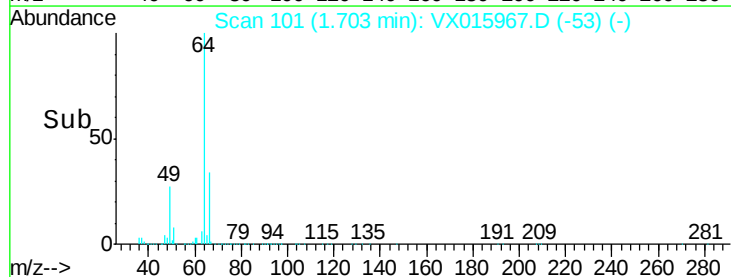
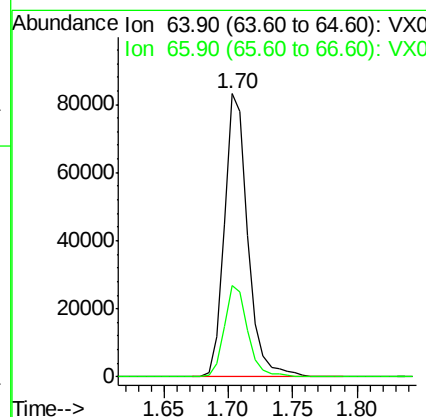
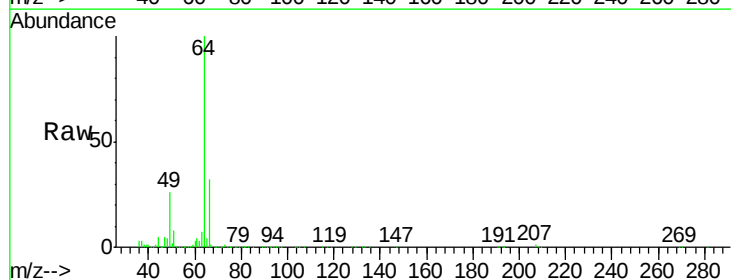
Acq: 28 Apr 2020 17:17

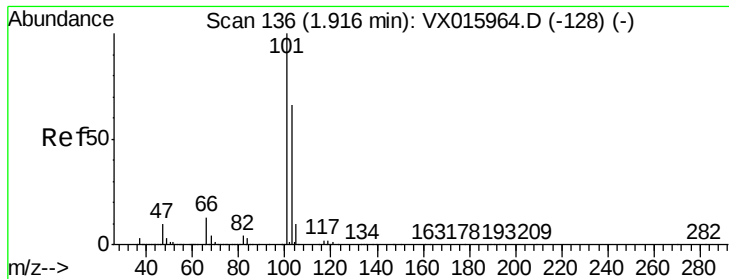
Tgt Ion: 64 Resp: 106939

Ion Ratio Lower Upper

64 100

66 32.1 26.2 39.2





#7

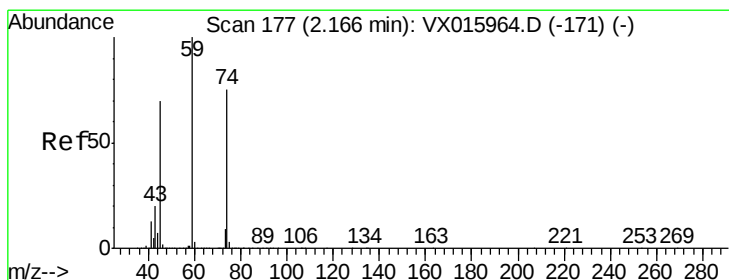
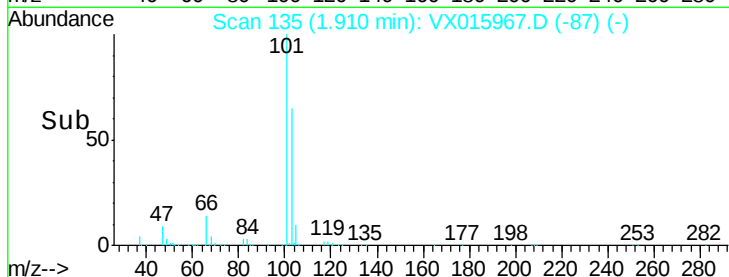
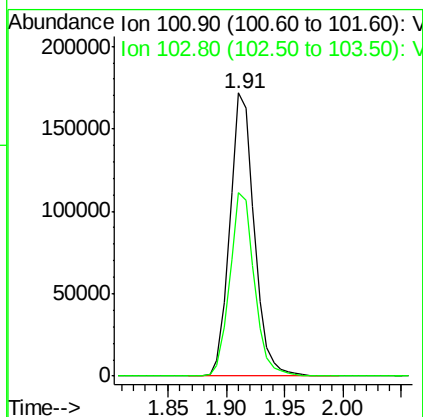
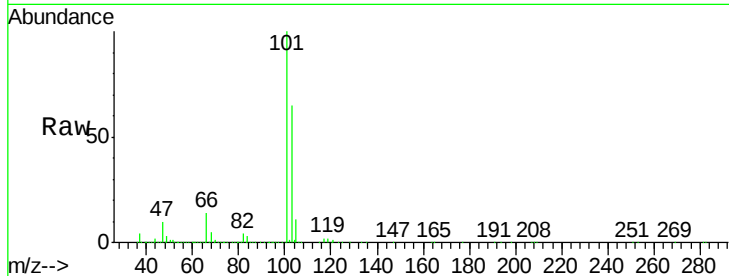
Trichlorofluoromethane
Concen: 52.462 ug/l
RT: 1.91 min Scan# 135
Delta R.T. -0.01 min
Lab File: VX015967.D
Acq: 28 Apr 2020 17:17

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ClientSampleId :
ICVVX042820

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.4	78.6

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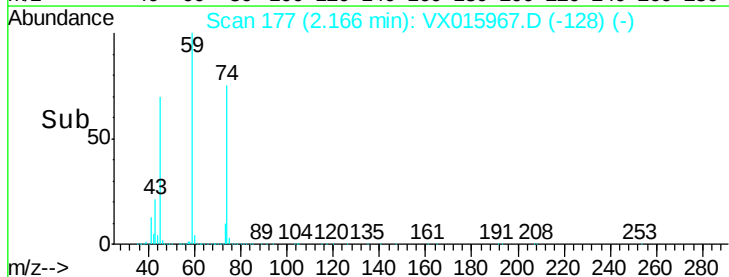
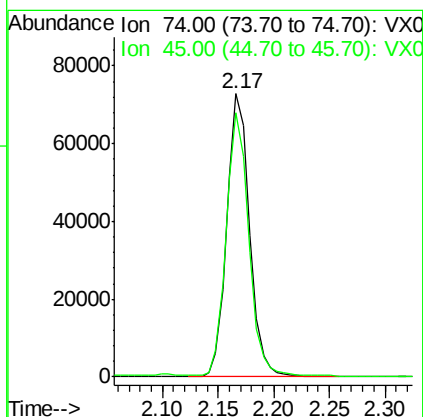
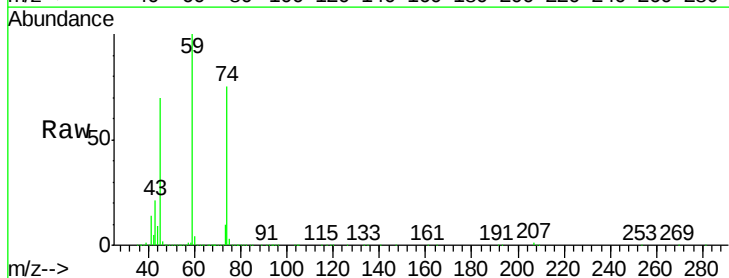
MMDadoda
4/30/2020 3:00:03 PM

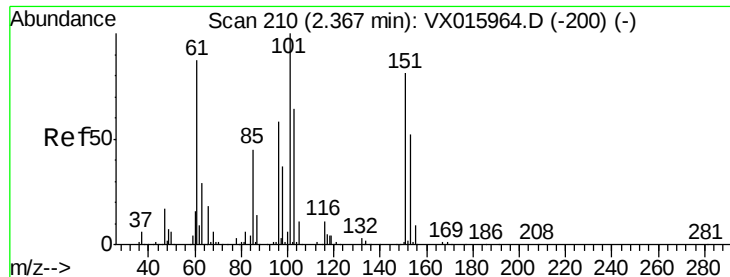


#8

Diethyl Ether
Concen: 51.346 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX015967.D
Acq: 28 Apr 2020 17:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.2	47.1	141.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.850 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Instrument :

MSVOA_X

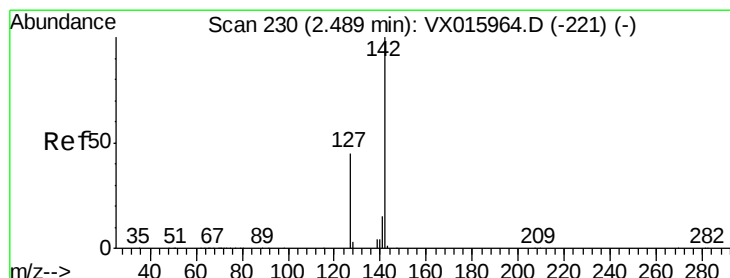
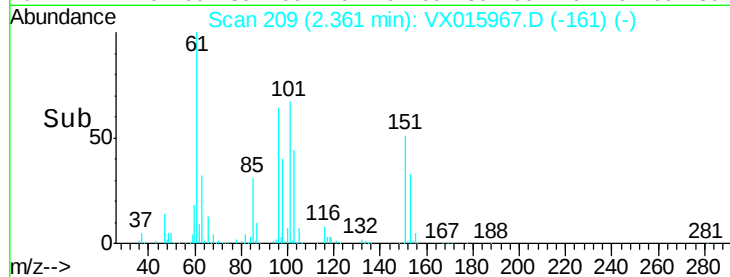
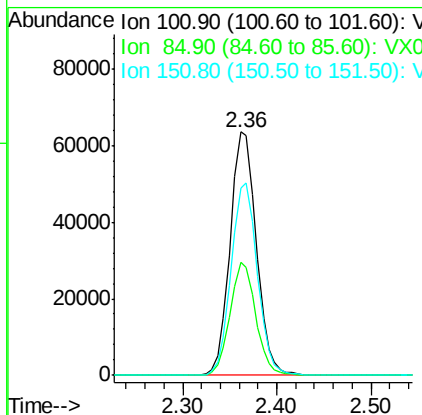
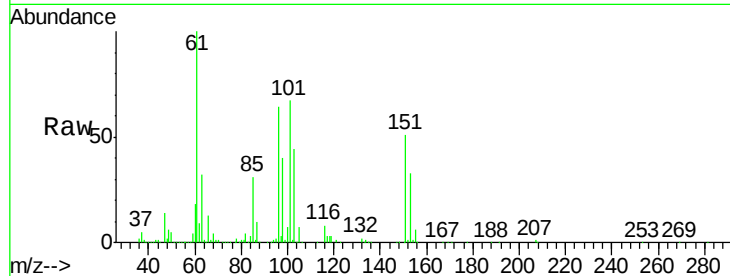
ClientSampleId :

ICVVX042820

Tot Ion:	101	Resp:	123541
Ion Ratio	Lower	Upper	
101	100		
85	45.5	36.3	54.5
151	79.2	63.1	94.7

Manual Integrations
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#10

Methyl Iodide

Concen: 53.292 ug/l

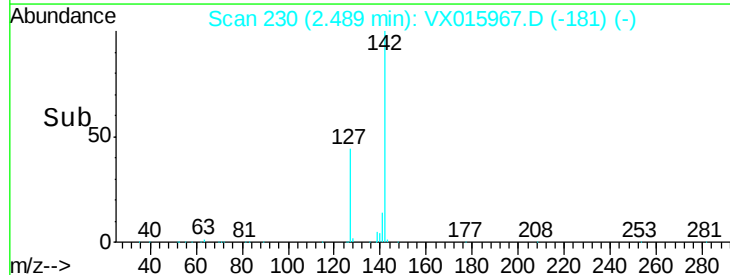
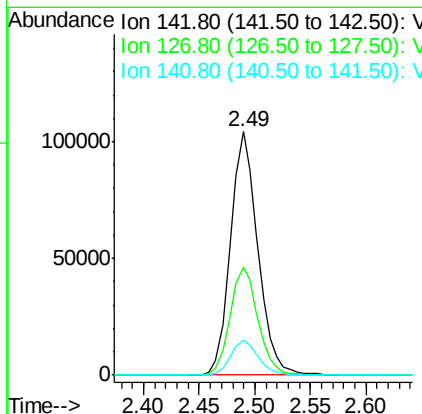
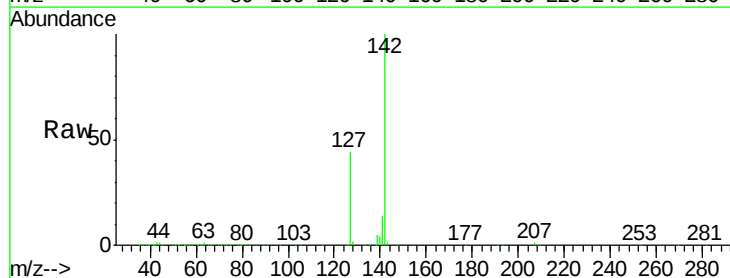
RT: 2.49 min Scan# 230

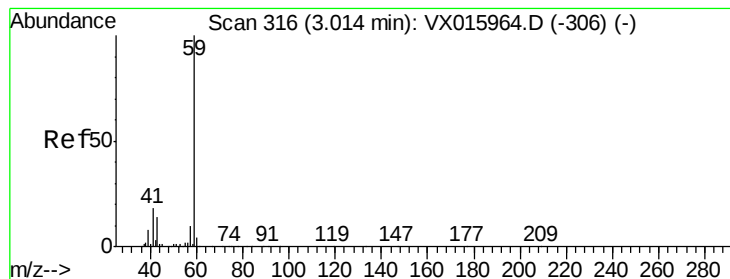
Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Tgt Ion:	142	Resp:	177128
Ion Ratio	Lower	Upper	
142	100		
127	45.2	36.5	54.7
141	14.5	11.6	17.4





#11

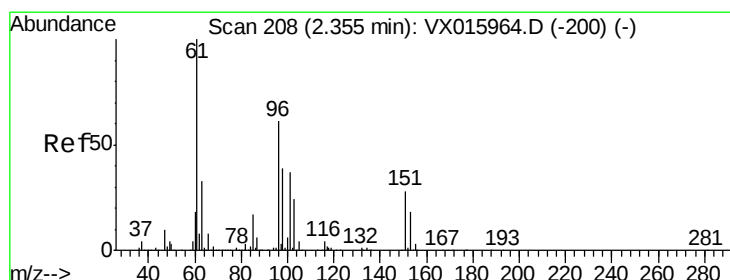
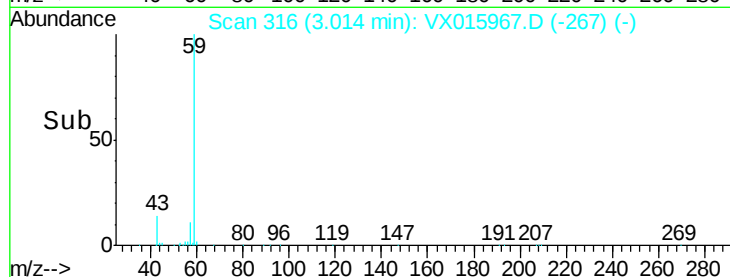
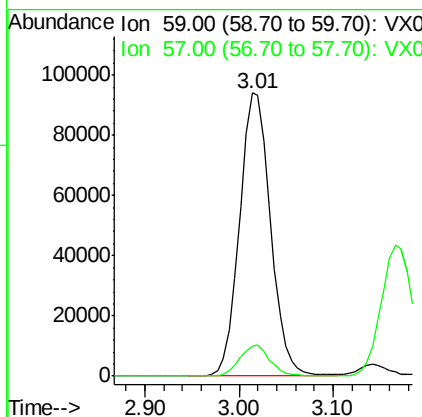
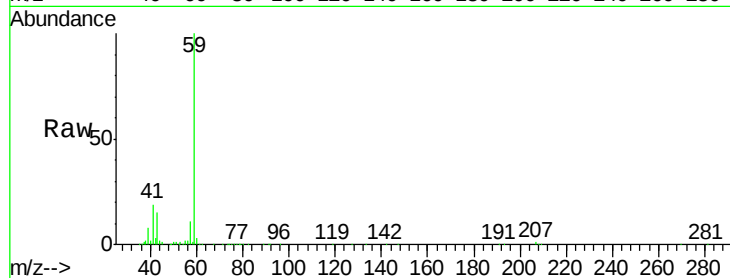
Tert butyl alcohol
Concen: 266.448 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX015967.D
Acq: 28 Apr 2020 17:17

Instrument :
MSVOA_X
ClientSampled :
ICVVX042820

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	217134		
57	57	10.8		8.3	12.5

Manual Integrations
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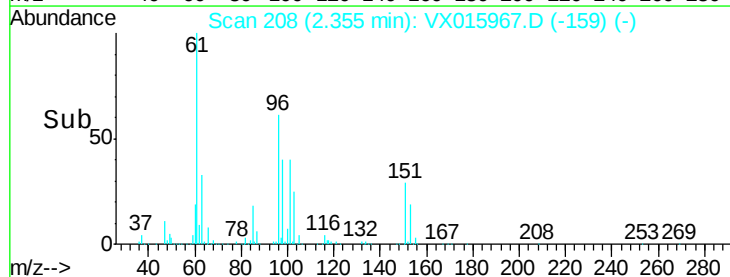
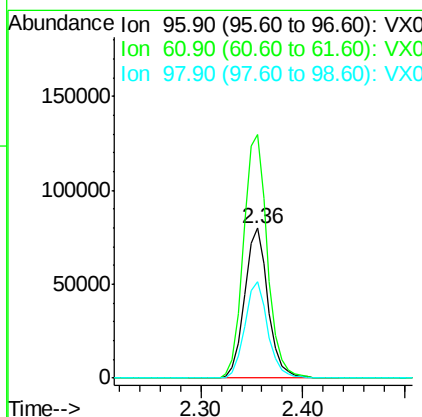
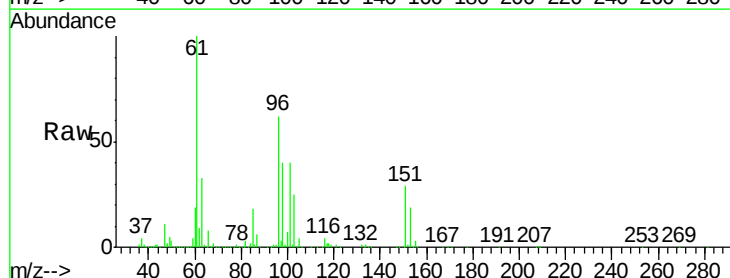
MMDadoda
4/30/2020 3:00:03 PM

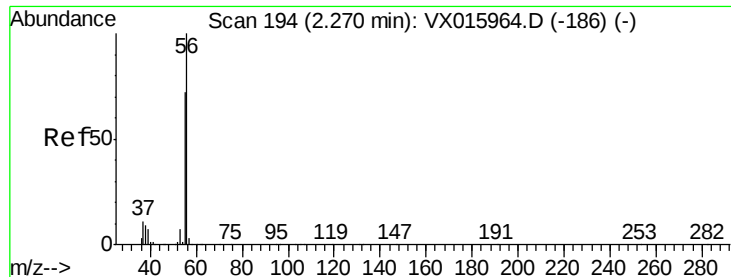


#12

1,1-Dichloroethene
Concen: 51.368 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX015967.D
Acq: 28 Apr 2020 17:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	126194		
61	61	162.6		131.0	196.4
98	98	64.4		50.7	76.1





#13

Acrolein

Concen: 261.190 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX042820

Tot Ion: 56 Resp: 53491

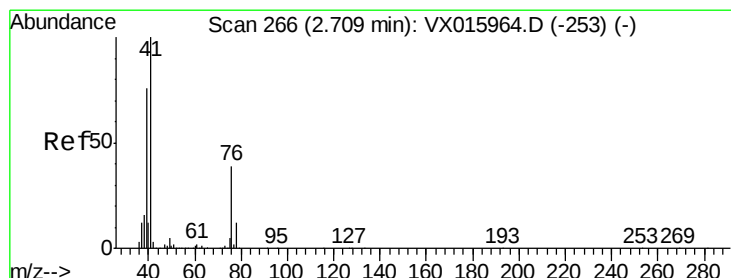
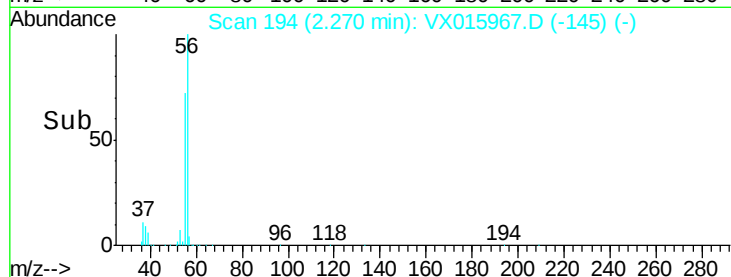
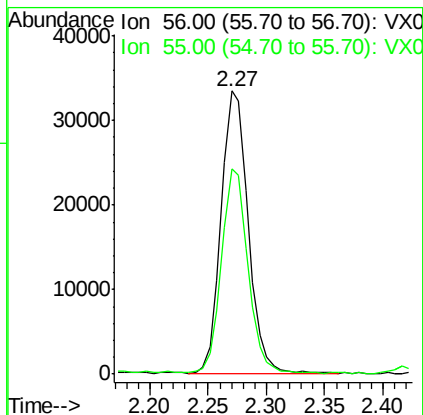
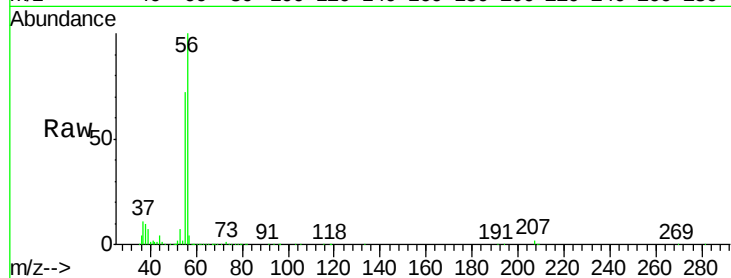
Ion Ratio Lower Upper

56 100

55 71.5 56.9 85.3

Manual Integrations
APPROVED

MMDadoda
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#14

Allyl chloride

Concen: 52.653 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

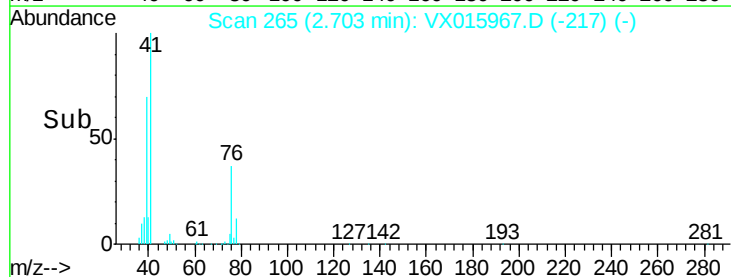
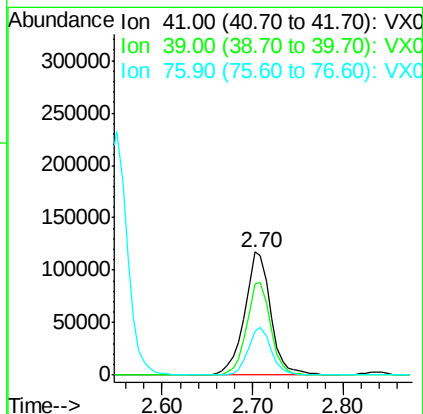
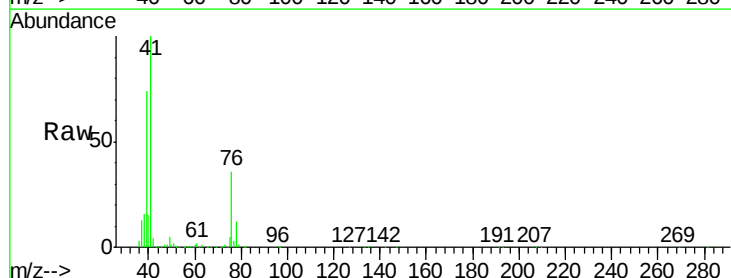
Tgt Ion: 41 Resp: 233242

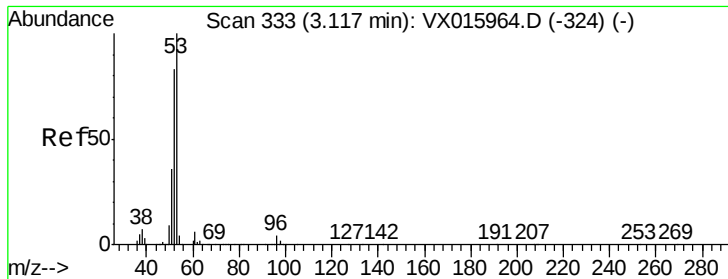
Ion Ratio Lower Upper

41 100

39 69.4 55.4 83.0

76 33.7 27.1 40.7





#15

Acrylonitrile

Concen: 265.213 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Instrument :

MSVOA_X

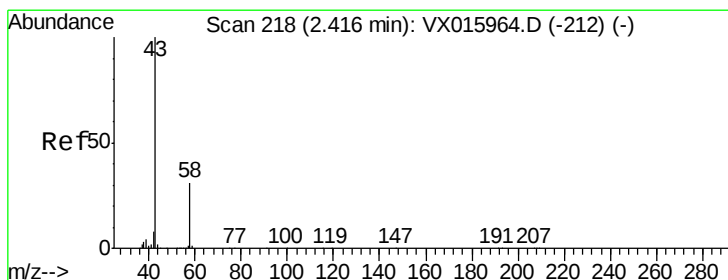
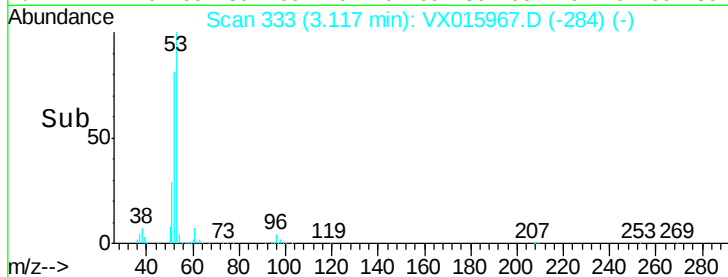
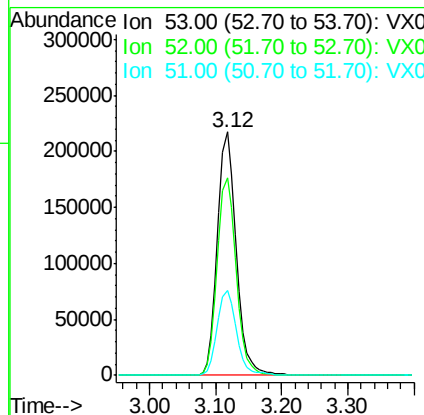
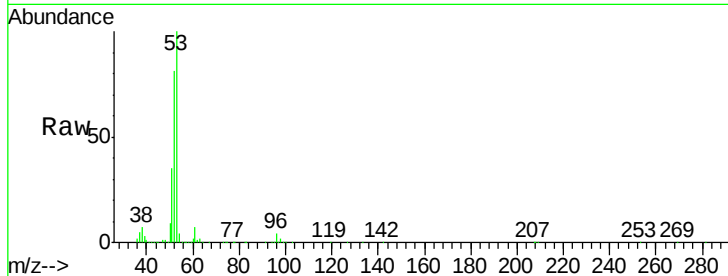
ClientSampleId :

ICVVX042820

Tot Ion:	53	Resp:	428538
Ion Ratio		Lower	Upper
53	100		
52	82.1	65.5	98.3
51	35.9	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 261.536 ug/l

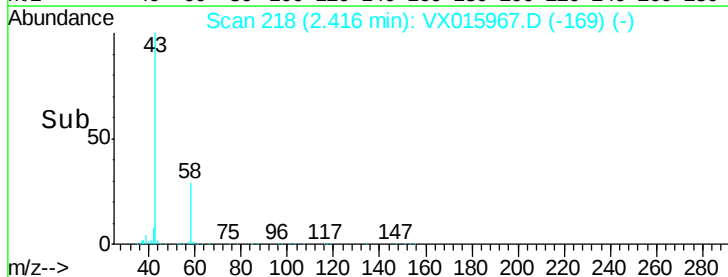
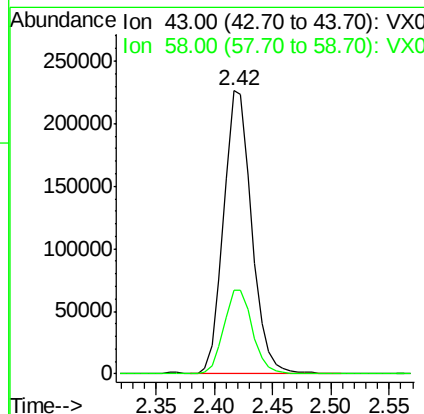
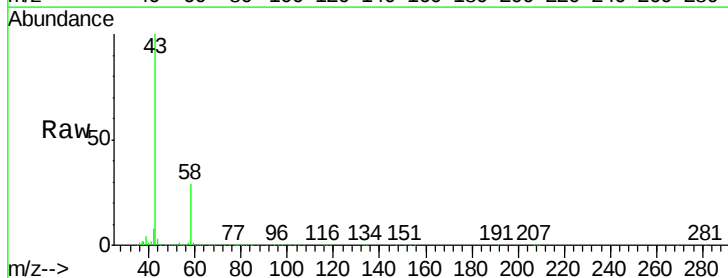
RT: 2.42 min Scan# 218

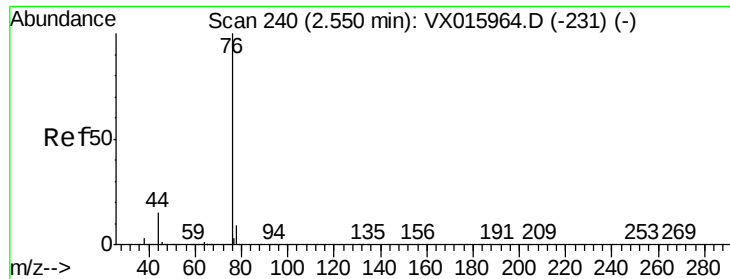
Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Tgt Ion:	43	Resp:	375456
Ion Ratio		Lower	Upper
43	100		
58	29.4	25.1	37.7





#17

Carbon Disulfide

Concen: 52.663 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX042820

Tot Ion: 76 Resp: 377338

Ion Ratio Lower Upper

76 100

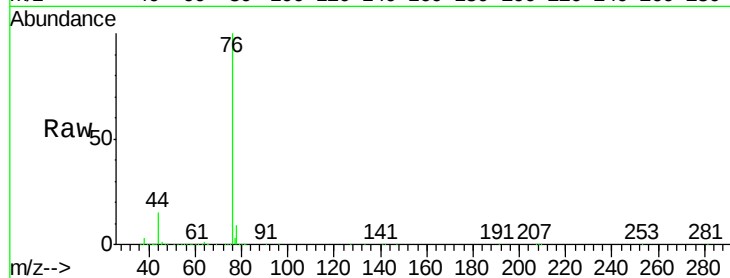
78 9.2 7.4 11.0

Manual Integrations

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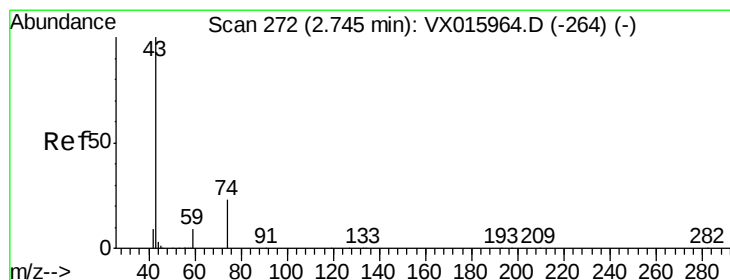
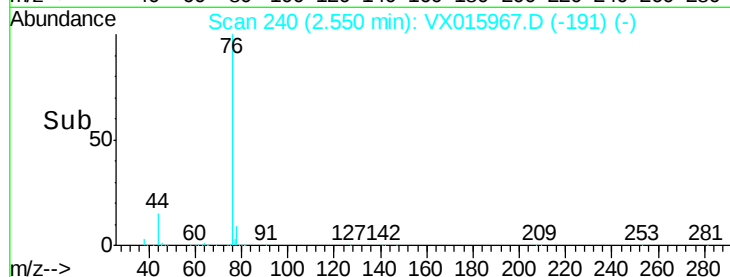
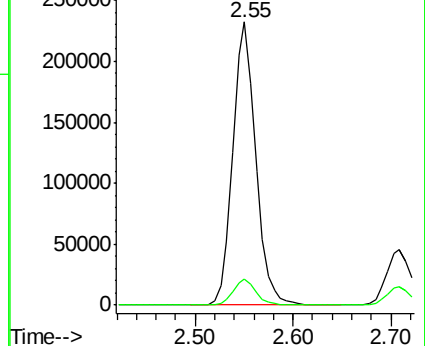
MMDadoda

4/30/2020 3:00:03 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 53.535 ug/l

RT: 2.75 min Scan# 272

Delta R.T. 0.00 min

Lab File: VX015967.D

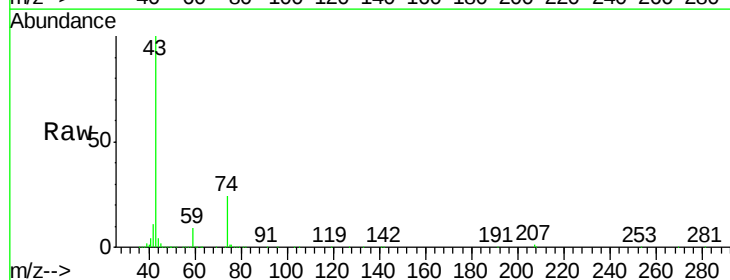
Acq: 28 Apr 2020 17:17

Tgt Ion: 43 Resp: 218090

Ion Ratio Lower Upper

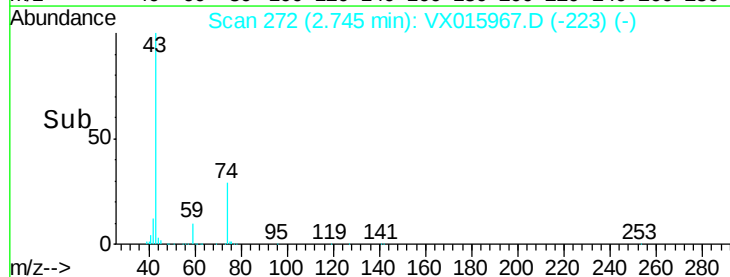
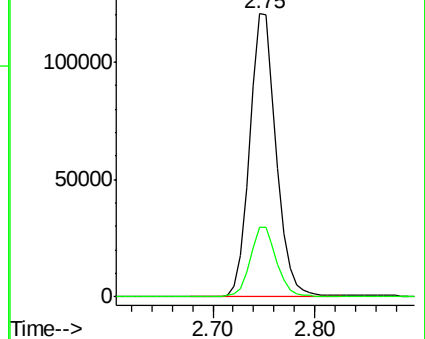
43 100

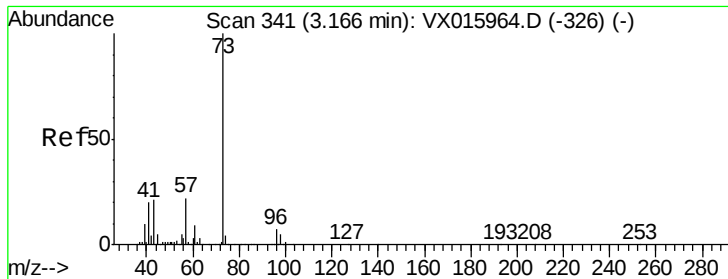
74 25.0 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





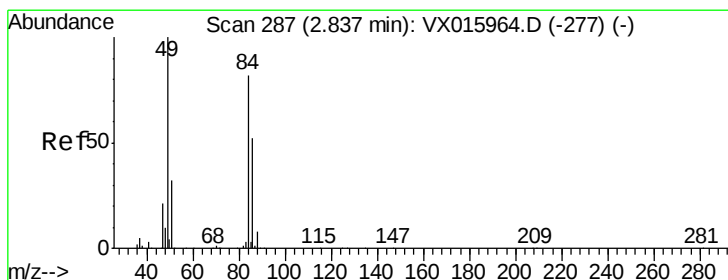
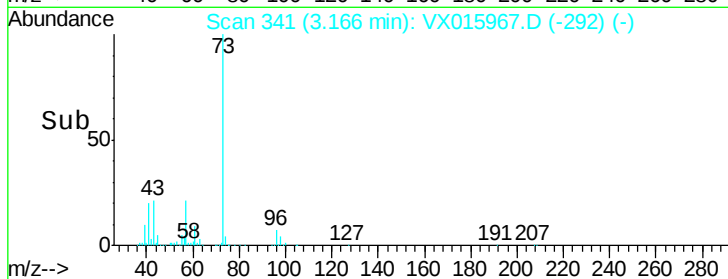
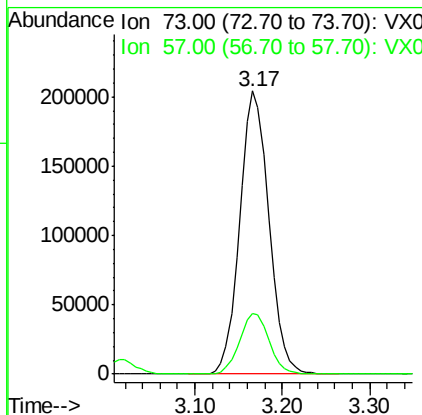
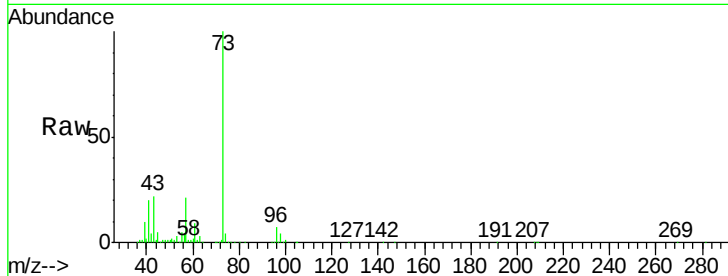
#19
Methvl tert-butvl Ether
Concen: 53.023 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX015967.D
Acq: 28 Apr 2020 17:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX042820

Tot Ion	73	Resp	471134
Ion Ratio	100	Lower	Upper
73	100		
57	21.4	17.5	26.3

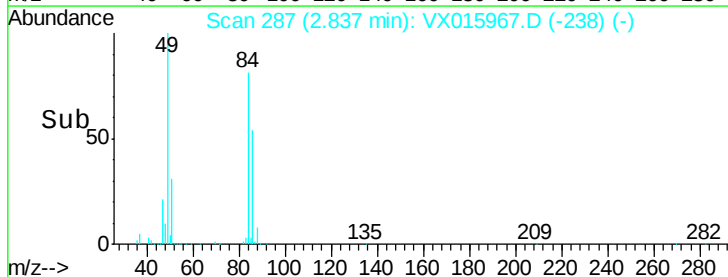
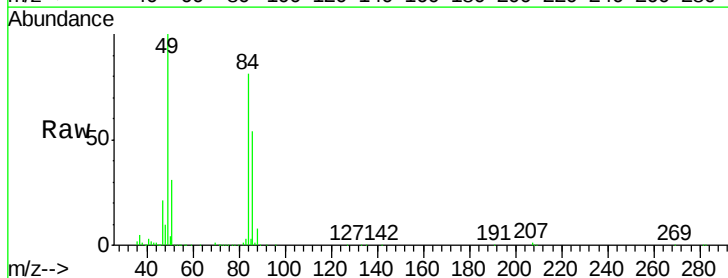
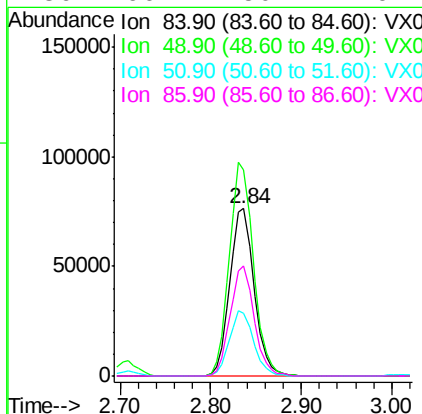
Manual Integrations
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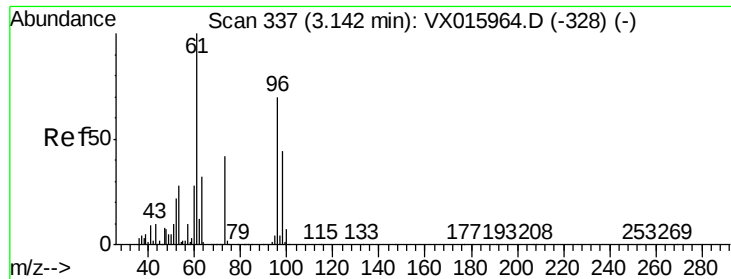
MMDadoda
4/30/2020 3:00:03 PM



#20
Methylene Chloride
Concen: 50.149 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX015967.D
Acq: 28 Apr 2020 17:17

Tgt Ion	84	Resp	142516
Ion Ratio	100	Lower	Upper
84	100		
49	123.3	97.9	146.9
51	37.7	31.2	46.8
86	66.2	50.7	76.1





#21

trans-1,2-Dichloroethene

Concen: 51.070 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Instrument :

MSVOA_X

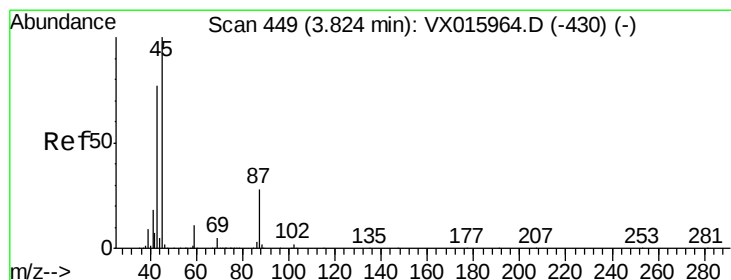
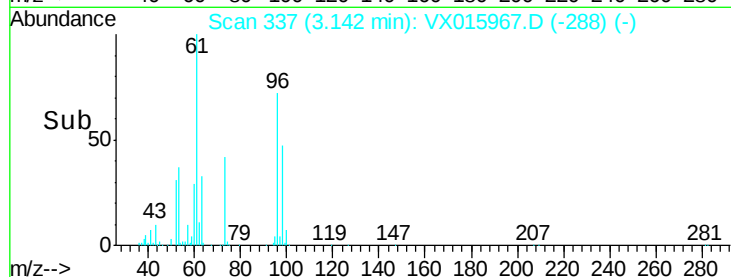
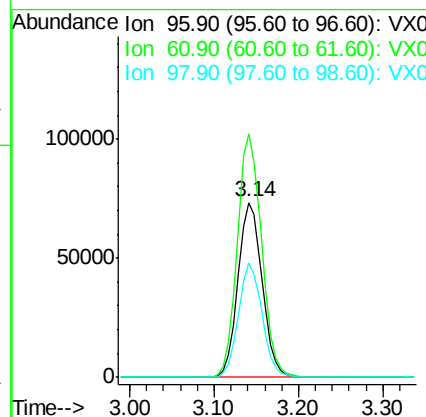
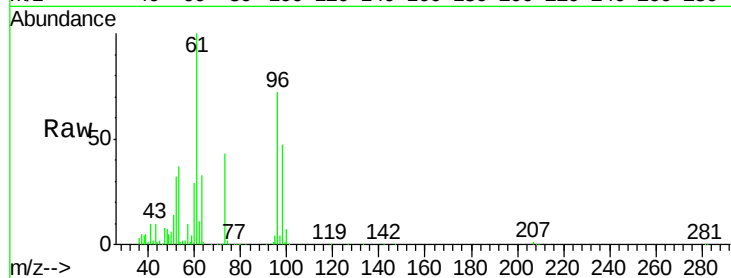
ClientSampleId :

ICVVX042820

Tot Ion:	96	Resp:	141396
Ion Ratio	Lower	Upper	
96	100		
61	139.2	113.6	170.4
98	65.1	50.3	75.5

Manual Integrations
APPROVED

MMDadoda
4/30/2020 3:00:03 PM



#22

Diisopropyl ether

Concen: 52.554 ug/l

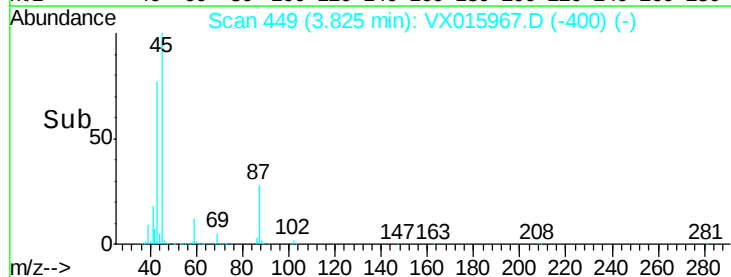
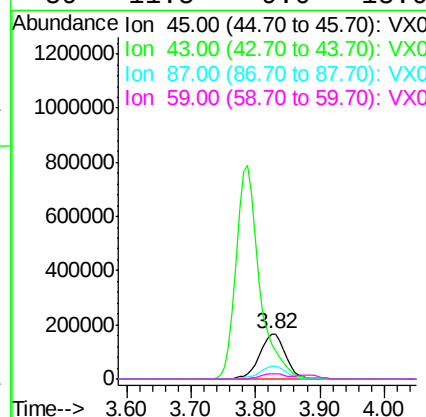
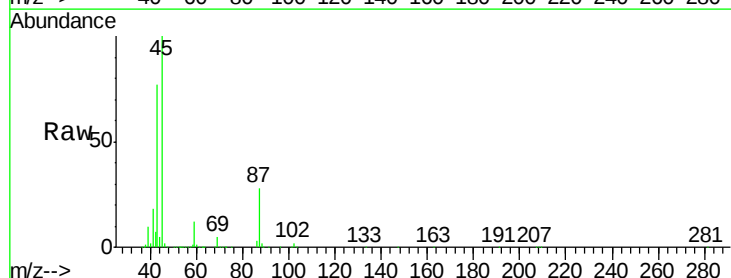
RT: 3.82 min Scan# 449

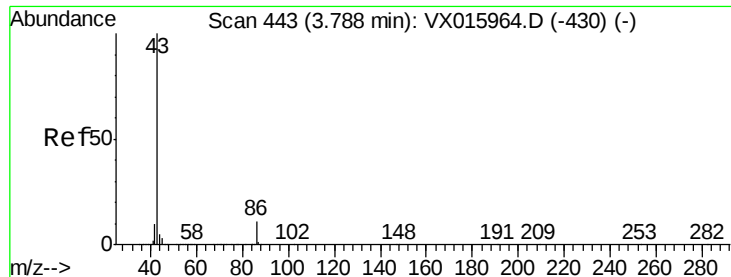
Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Tgt Ion:	45	Resp:	457697
Ion Ratio	Lower	Upper	
45	100		
43	77.5	61.3	91.9
87	28.3	22.6	33.8
59	11.5	9.0	13.6





#23

Vinyl Acetate

Concen: 267.814 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX042820

Tot Ion: 43 Resp: 2026106

Ion Ratio Lower Upper

43 100

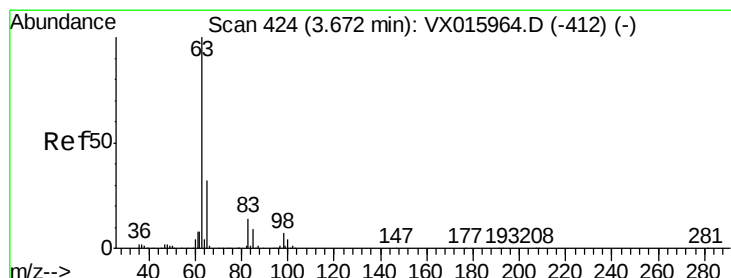
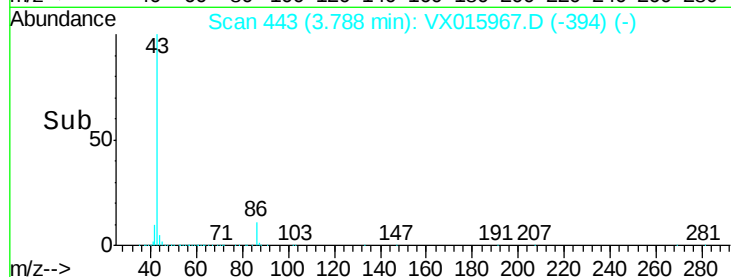
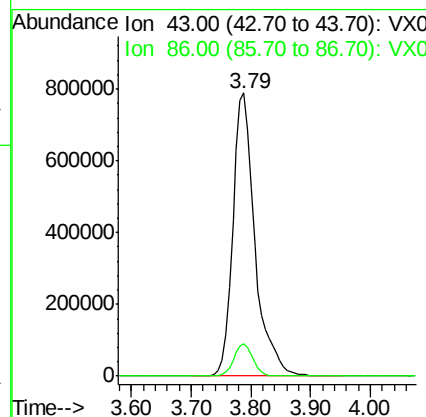
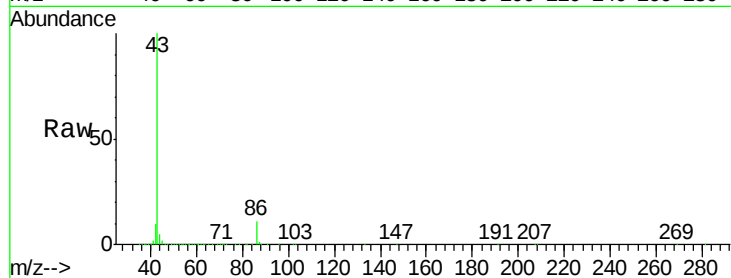
86 11.3 8.9 13.3

Manual Integrations

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MMDadoda

4/30/2020 3:00:03 PM



#24

1,1-Dichloroethane

Concen: 52.770 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

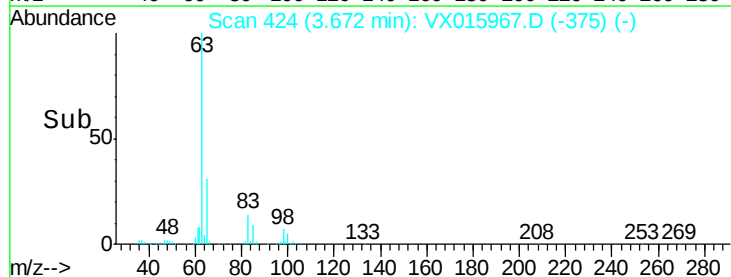
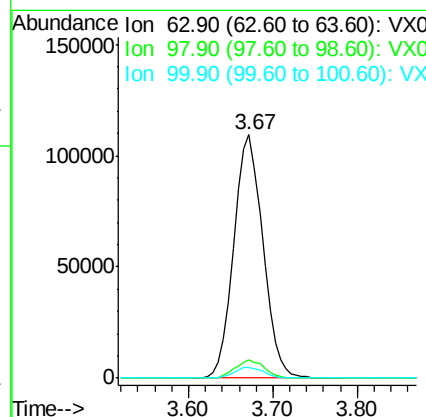
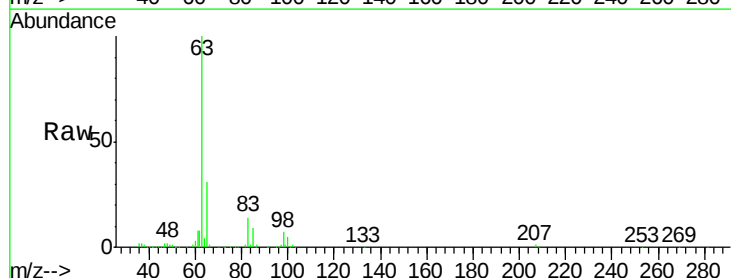
Tgt Ion: 63 Resp: 256015

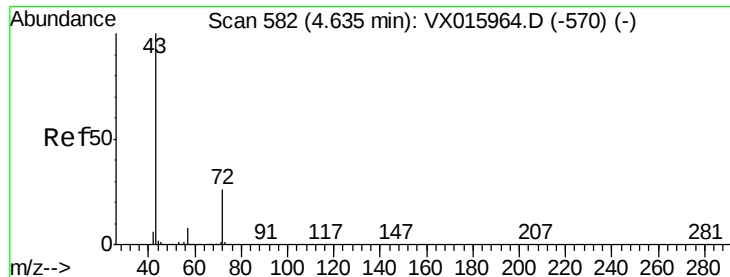
Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.8

100 4.5 2.2 6.6





#25

2-Butanone

Concen: 266.568 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX042820

Tot Ion: 43 Resp: 620124

Ion Ratio Lower Upper

43 100

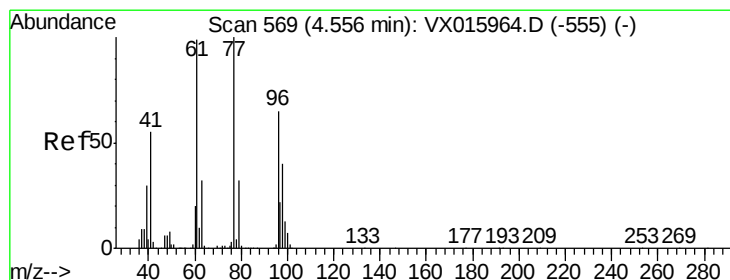
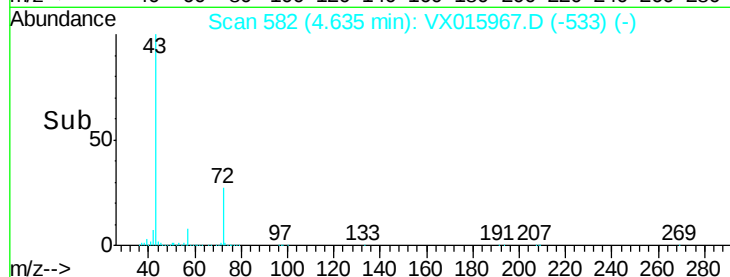
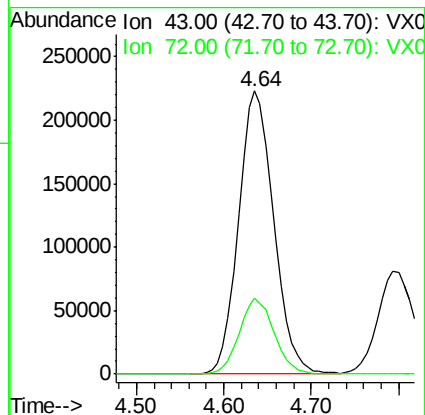
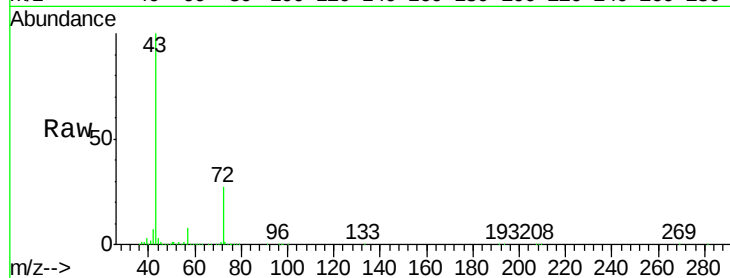
72 26.7 21.0 31.4

Manual Integrations

APPROVED

MMDadoda

4/30/2020 3:00:03 PM



#26

2,2-Dichloropropane

Concen: 51.770 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VX015967.D

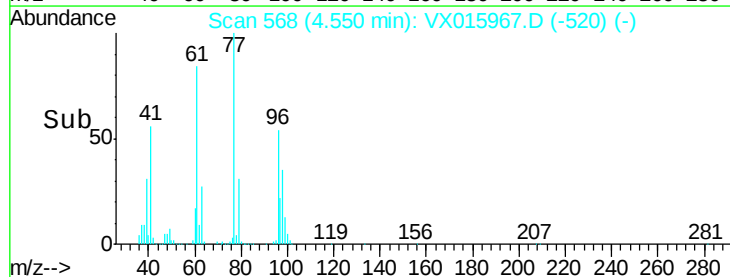
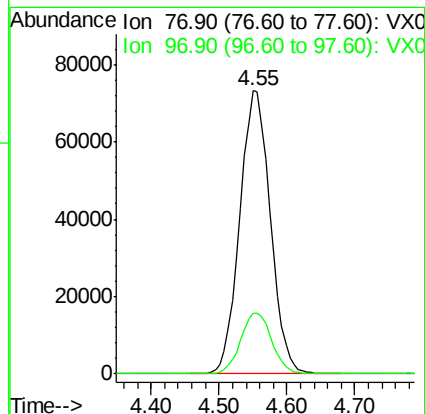
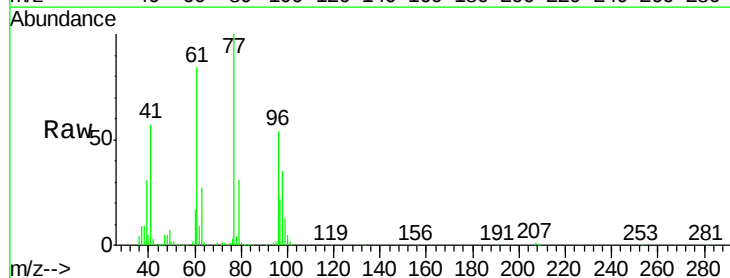
Acq: 28 Apr 2020 17:17

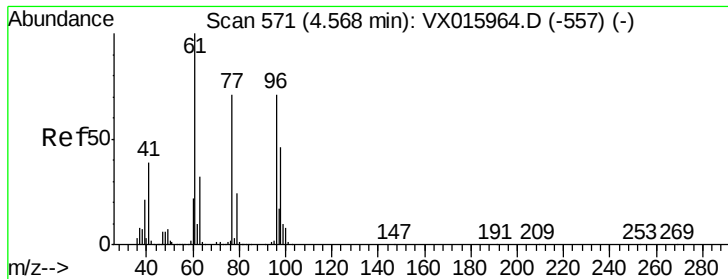
Tgt Ion: 77 Resp: 229647

Ion Ratio Lower Upper

77 100

97 21.9 11.1 33.3





#27

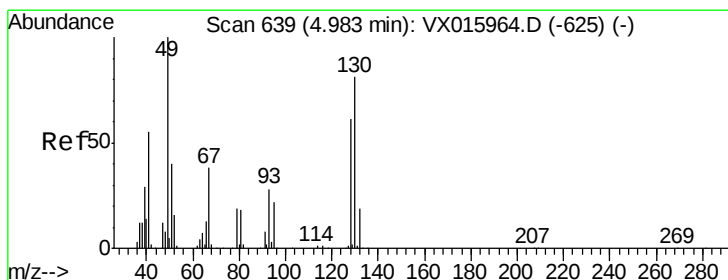
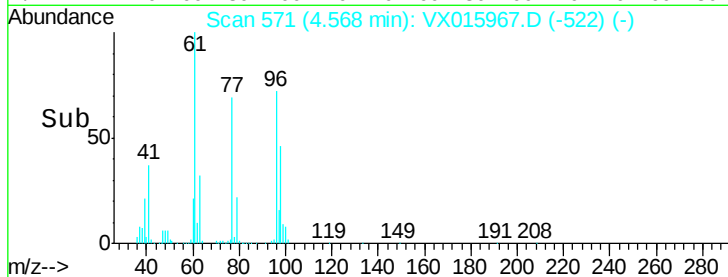
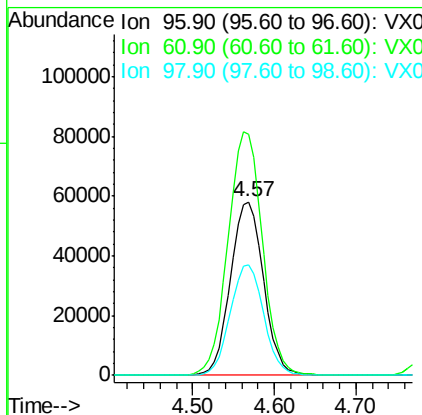
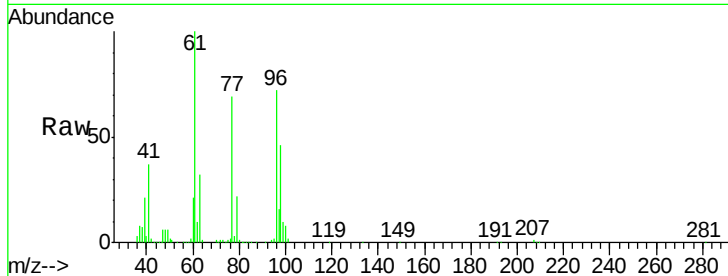
cis-1,2-Dichloroethene
Concen: 51.427 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.00 min
Lab File: VX015967.D
Acq: 28 Apr 2020 17:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX042820

Tot Ion	Ratio	Resp	Lower	Upper
96	100	161579		
61	147.4	0.0	294.2	
98	64.9	0.0	127.4	

Manual Integrations
APPROVED

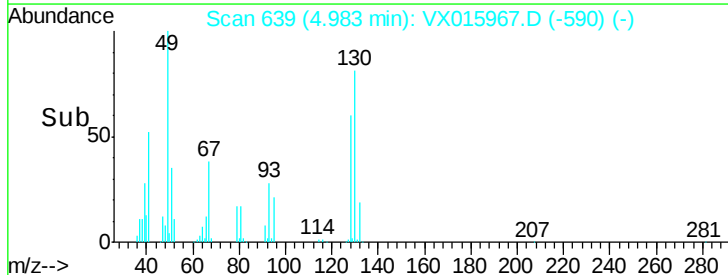
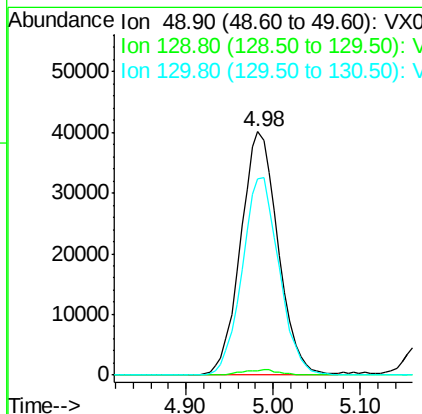
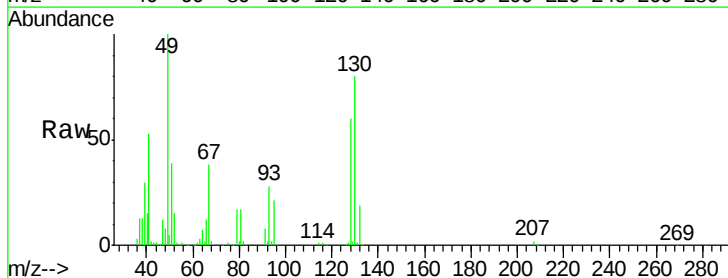
MMDadoda
4/30/2020 3:00:03 PM

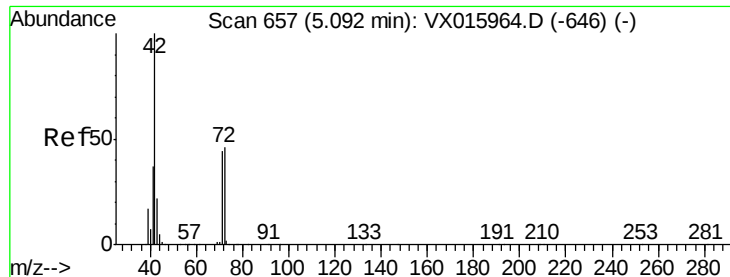


#28

Bromochloromethane
Concen: 50.682 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX015967.D
Acq: 28 Apr 2020 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	118985		
129	2.2	0.0	4.6	
130	80.2	63.9	95.9	





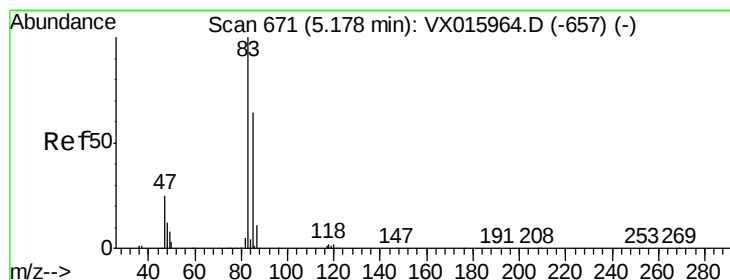
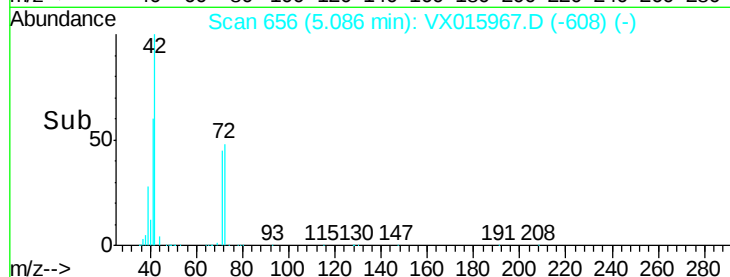
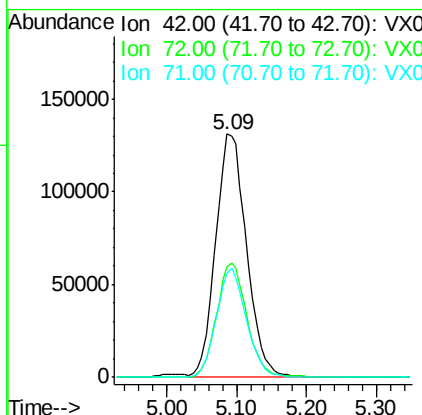
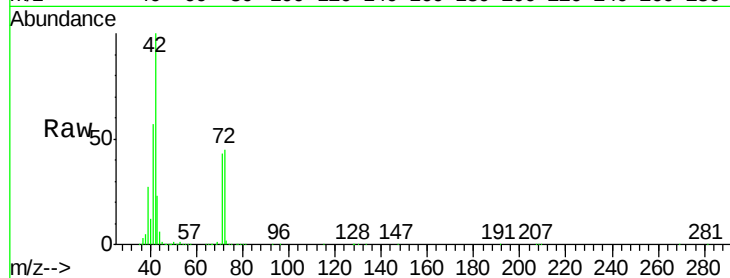
#29
Tetrahydrofuran
Concen: 263.121 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX015967.D
Acq: 28 Apr 2020 17:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX042820

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.4	56.0
71	43.5	34.6	52.0

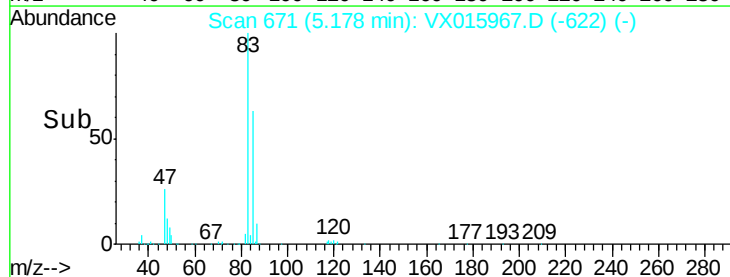
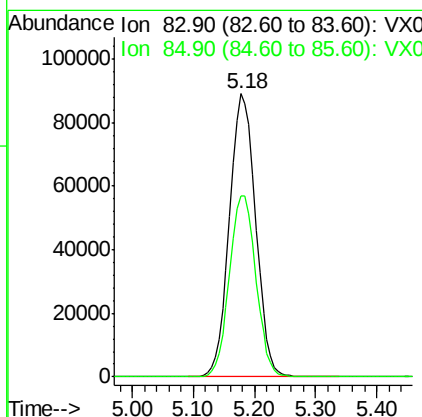
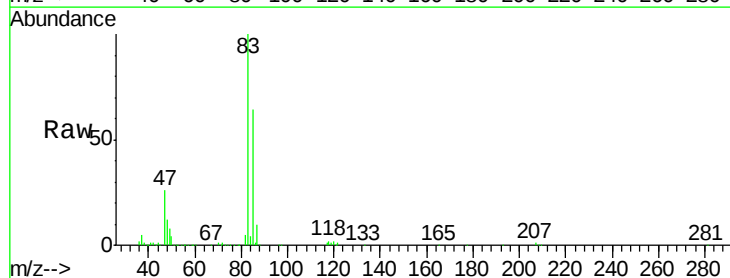
Manual Integrations
APPROVED

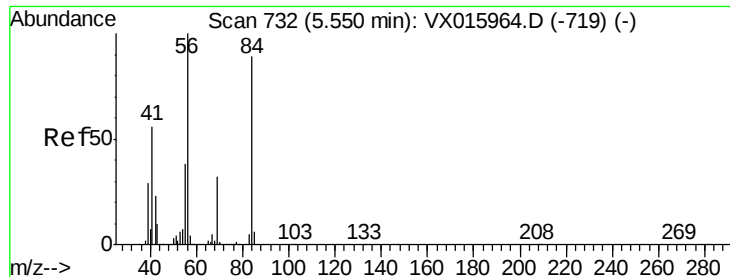
MMDadoda
4/30/2020 3:00:03 PM



#30
Chloroform
Concen: 52.202 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX015967.D
Acq: 28 Apr 2020 17:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.0	76.4





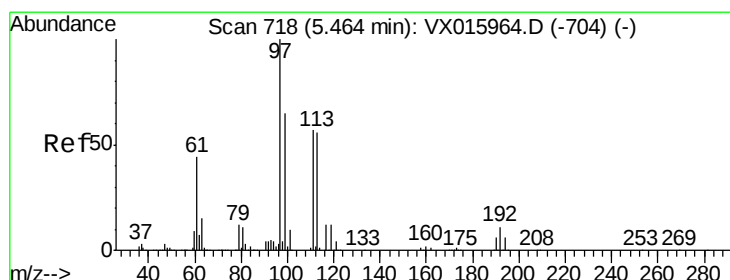
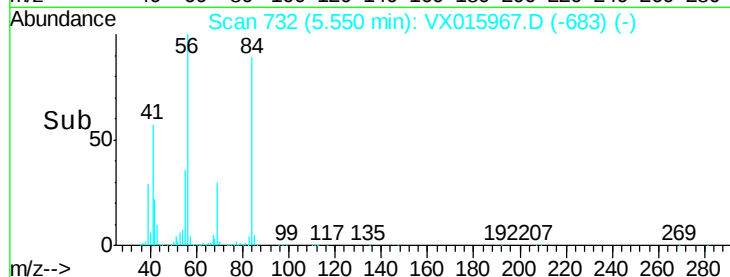
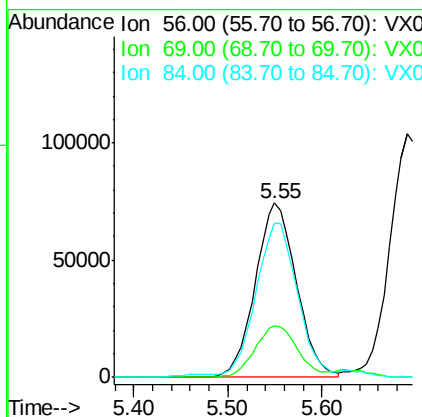
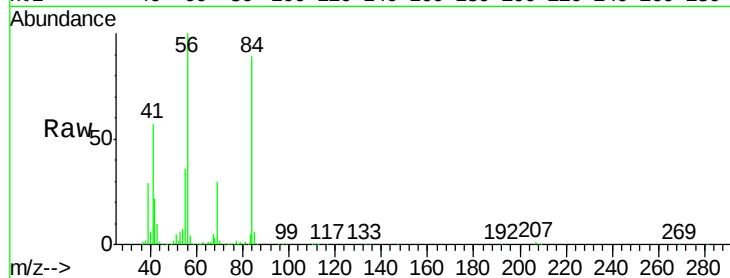
#31
Cyclohexane
Concen: 52.494 ug/l
RT: 5.55 min Scan# 732
Delta R.T. 0.00 min
Lab File: VX015967.D
Acq: 28 Apr 2020 17:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX042820

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.0	25.4	38.2
84	86.9	71.0	106.6

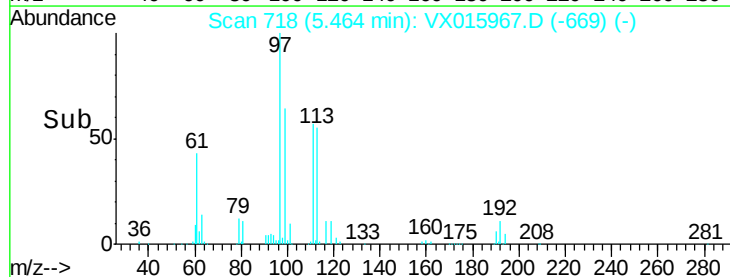
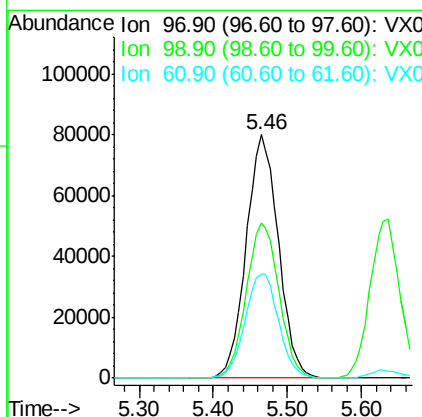
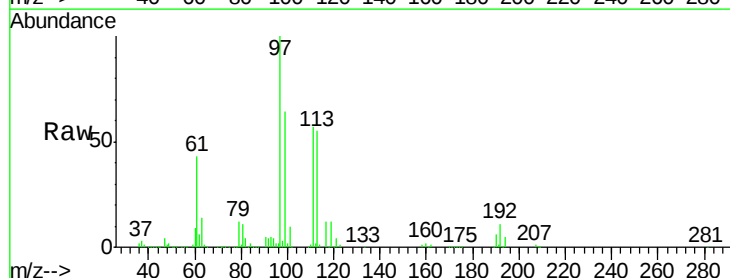
Manual Integrations
APPROVED

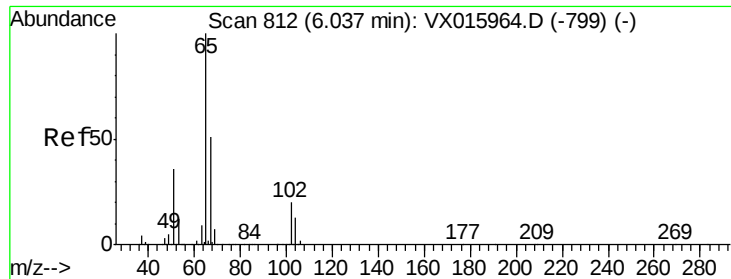
MMDadoda
4/30/2020 3:00:03 PM



#32
1,1,1-Trichloroethane
Concen: 52.192 ug/l
RT: 5.46 min Scan# 718
Delta R.T. 0.00 min
Lab File: VX015967.D
Acq: 28 Apr 2020 17:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.4	77.0
61	44.7	35.7	53.5





#33

1,2-Dichloroethane-d4

Concen: 51.178 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.01 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX042820

Tot Ion: 65 Resp: 171813

Ion Ratio Lower Upper

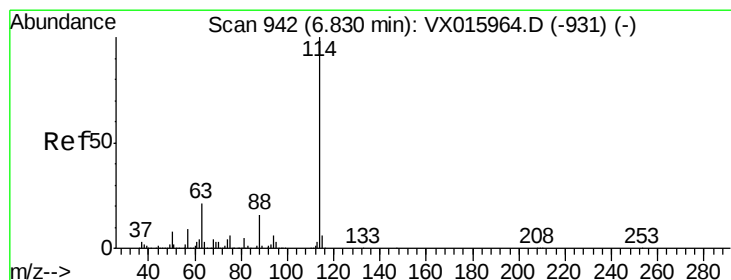
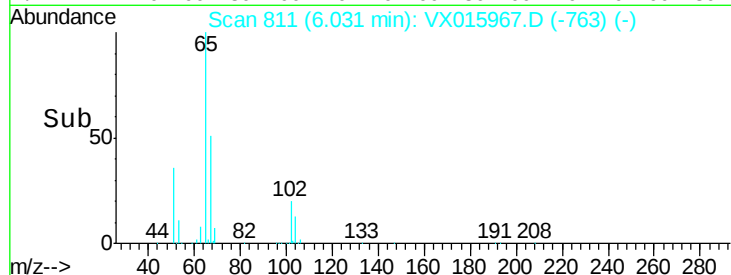
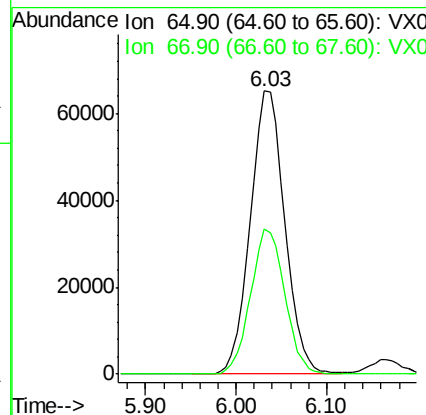
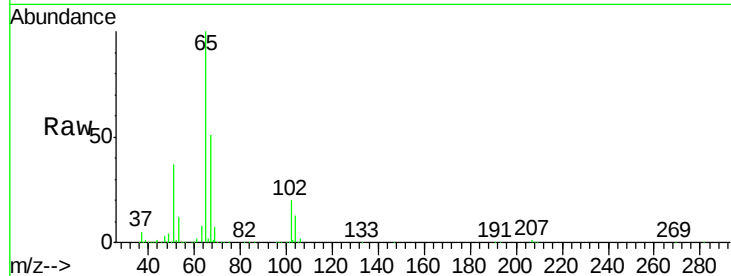
65 100

67 51.0 0.0 102.4

Manual Integrations
APPROVED

MMDadoda

4/30/2020 3:00:03 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

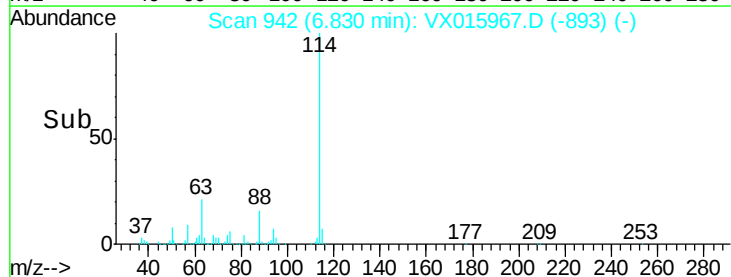
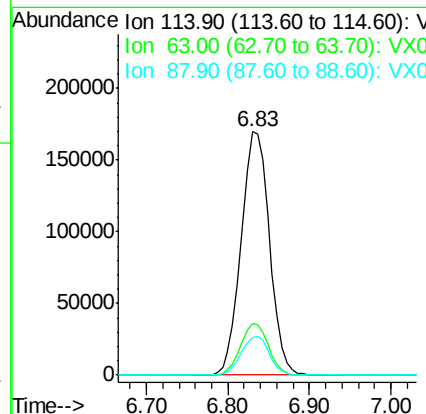
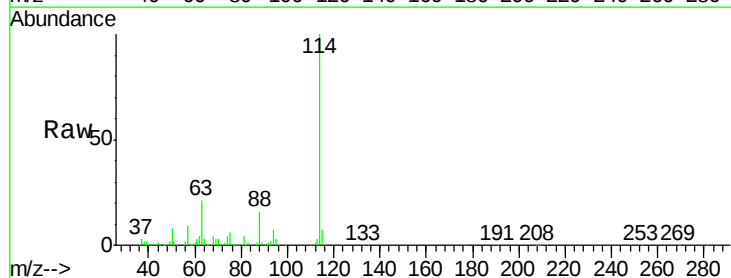
Tgt Ion: 114 Resp: 408667

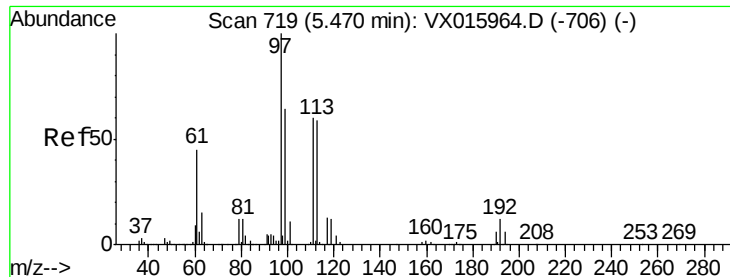
Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.2

88 15.6 0.0 31.8





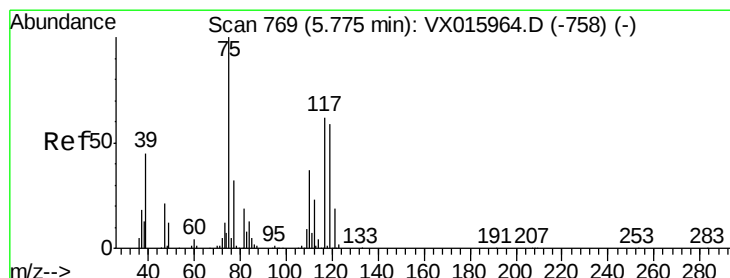
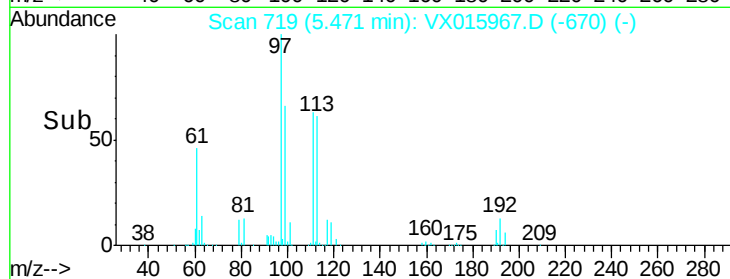
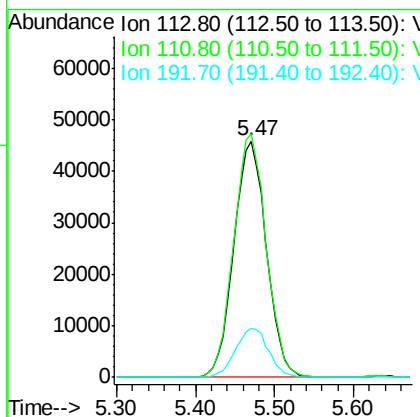
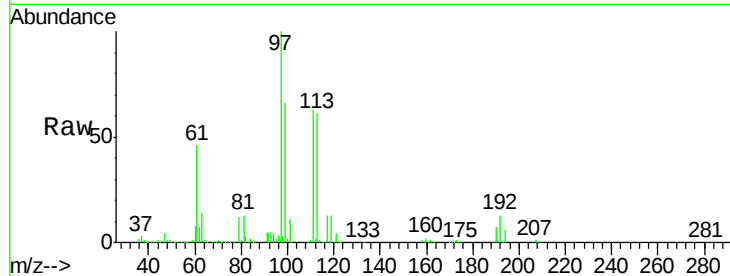
#35
Dibromofluoromethane
Concen: 51.589 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.00 min
Lab File: VX015967.D
Acq: 28 Apr 2020 17:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX042820

Tot Ion	Ratio	Resp	Lower	Upper
113	100	131515		
111	103.0	81.8	122.8	
192	21.1	16.8	25.2	

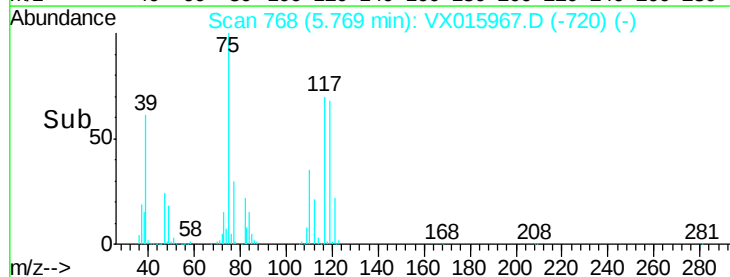
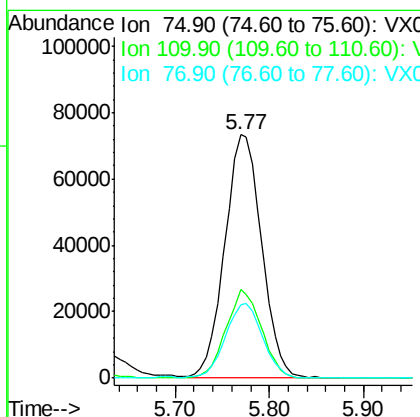
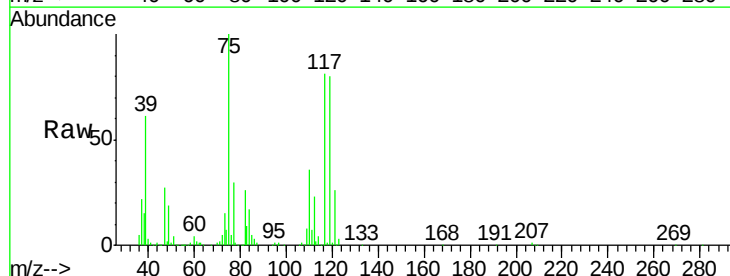
Manual Integrations
APPROVED

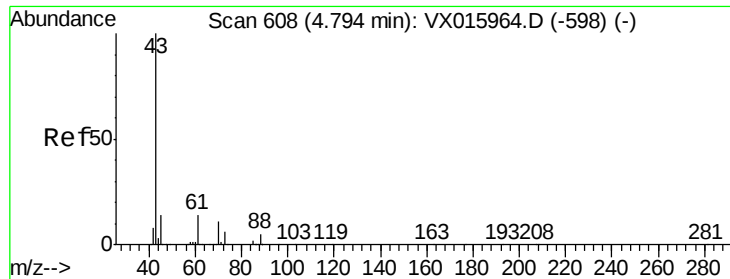
MMDadoda
4/30/2020 3:00:03 PM



#36
1,1-Dichloropropene
Concen: 50.874 ug/l
RT: 5.77 min Scan# 768
Delta R.T. -0.01 min
Lab File: VX015967.D
Acq: 28 Apr 2020 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	198018		
110	35.4	17.9	53.7	
77	31.2	25.2	37.8	





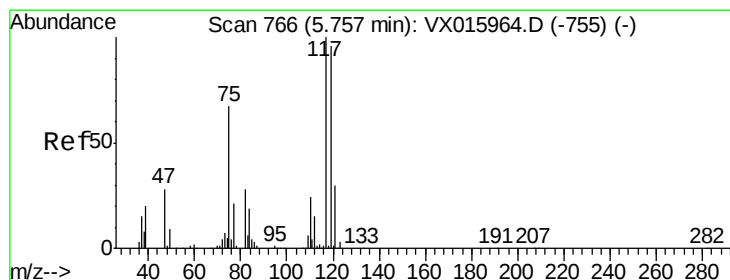
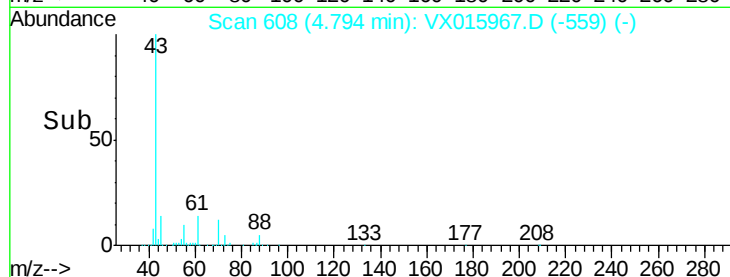
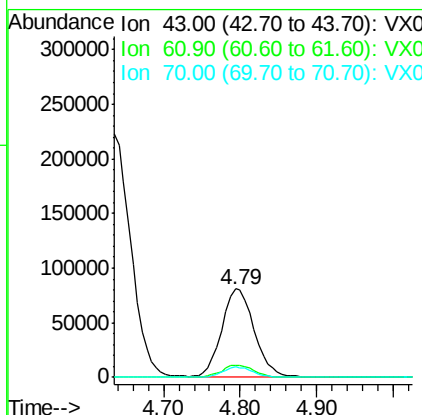
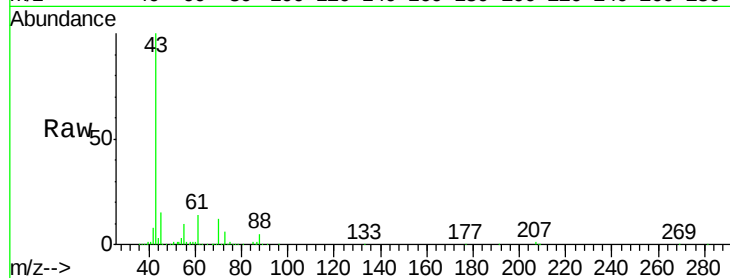
#37
Ethyl Acetate
Concen: 53.165 ug/l
RT: 4.79 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX015967.D
Acq: 28 Apr 2020 17:17

Instrument :
MSVOA_X
ClientSampled :
ICVVX042820

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.6	17.4
70	11.2	8.9	13.3

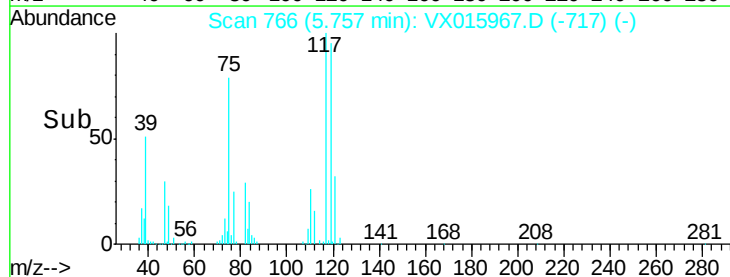
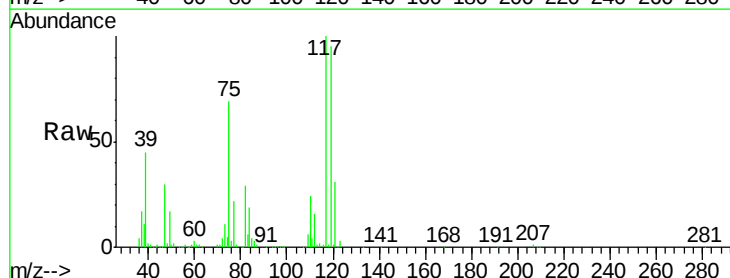
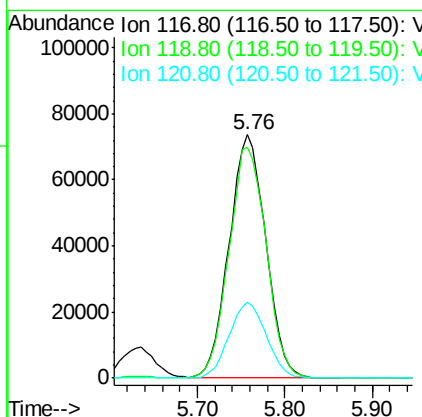
Manual Integrations
APPROVED

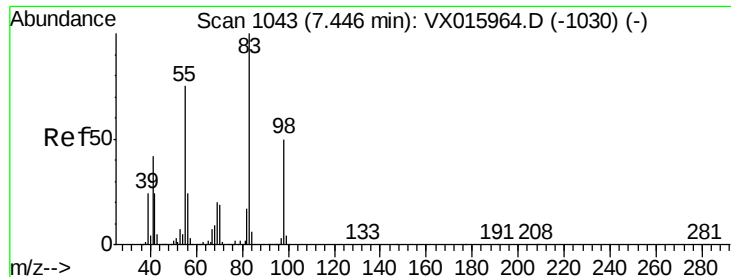
MMDadoda
4/30/2020 3:00:03 PM



#38
Carbon Tetrachloride
Concen: 52.249 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX015967.D
Acq: 28 Apr 2020 17:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.2	114.4
121	31.3	24.2	36.4





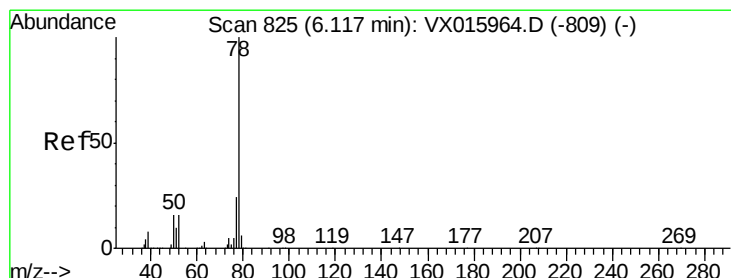
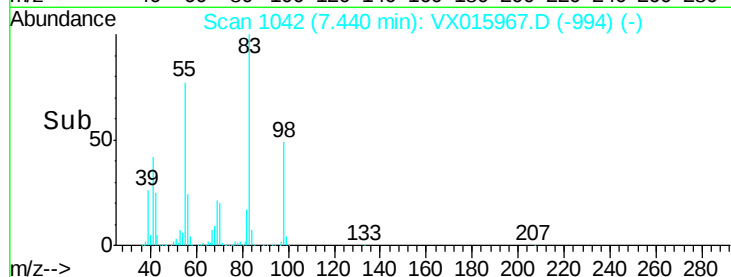
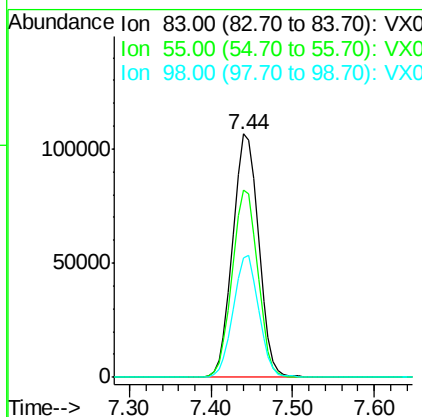
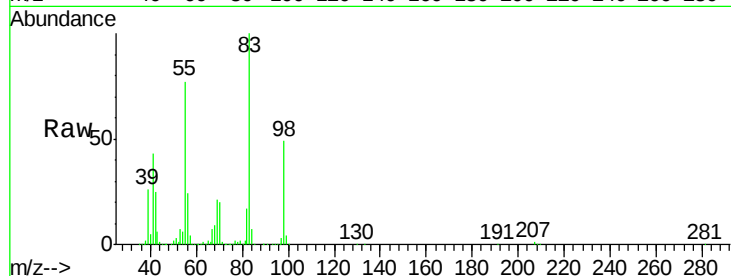
#39
Methvlcvclohexane
Concen: 51.997 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VX015967.D
Acq: 28 Apr 2020 17:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX042820

Tot Ion	Ratio	Resp	Lower	Upper
83	100	234105		
55	76.8	59.9	59.9	89.9
98	49.1	39.9	39.9	59.9

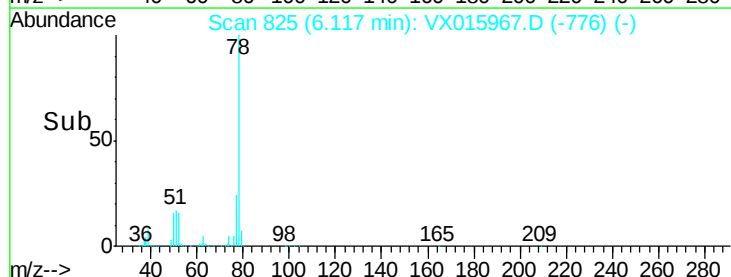
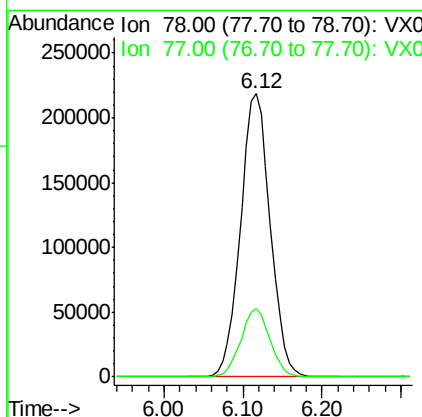
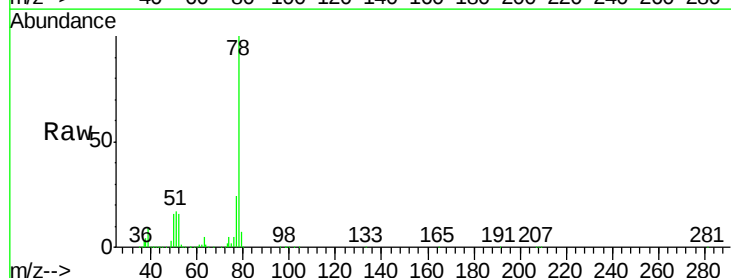
Manual Integrations
APPROVED

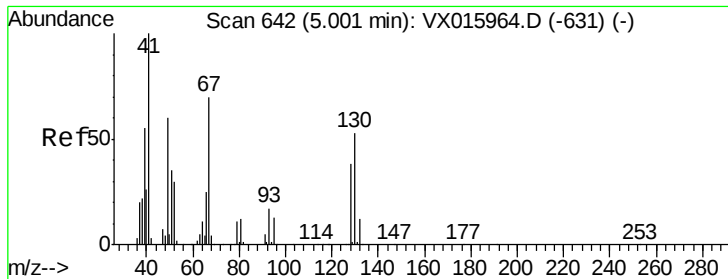
MMDadoda
4/30/2020 3:00:03 PM



#40
Benzene
Concen: 51.445 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX015967.D
Acq: 28 Apr 2020 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	571343		
77	24.1	18.8	18.8	28.2





#41

Methacrylonitrile

Concen: 54.412 ug/l

RT: 5.01 min Scan# 643

Delta R.T. 0.01 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Instrument :

MSVOA_X

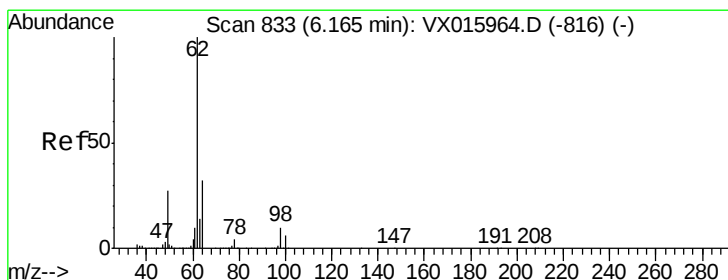
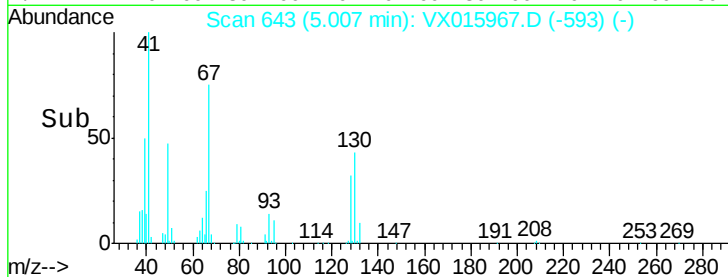
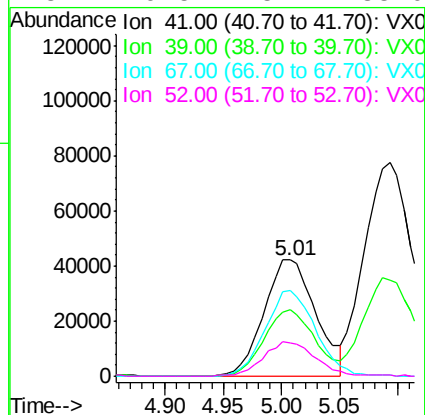
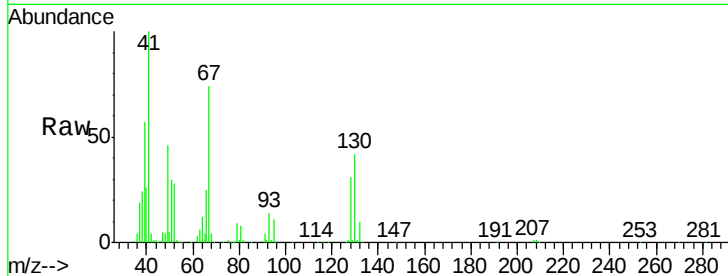
ClientSampleId :

ICVVX042820

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		129992		
39	56.1	45.2	67.8		
67	72.1	59.4	89.2		
52	29.5	25.4	38.0		

Manual Integrations
APPROVED

MMDadoda
4/30/2020 3:00:03 PM



#42

1,2-Dichloroethane

Concen: 51.175 ug/l

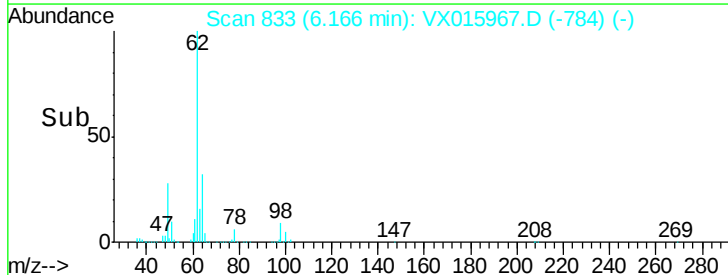
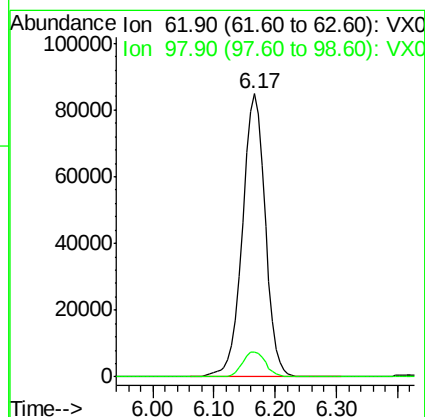
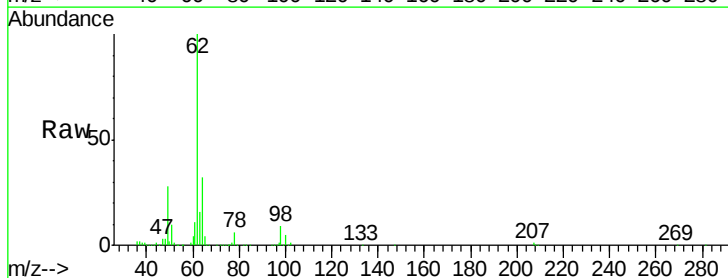
RT: 6.17 min Scan# 833

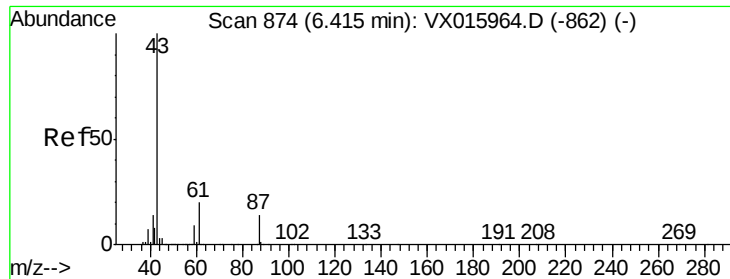
Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		220213		
98	9.0	0.0	18.4		





#43

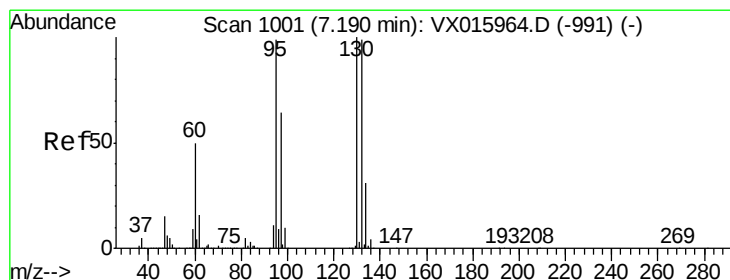
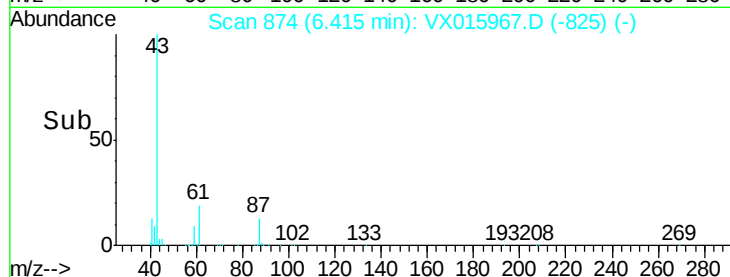
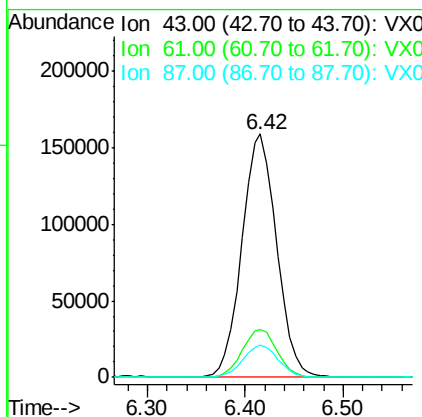
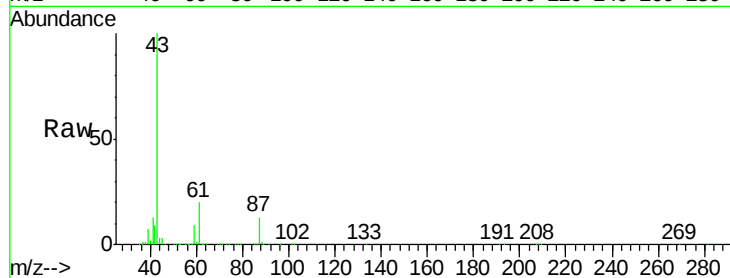
Isopropyl Acetate
 Concen: 52.780 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VX015967.D
 Acq: 28 Apr 2020 17:17

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX042820

Tot Ion	Ratio	Resp	Lower	Upper
43	100	390086		
61	20.1		16.1	24.1
87	13.6		10.9	16.3

Manual Integrations
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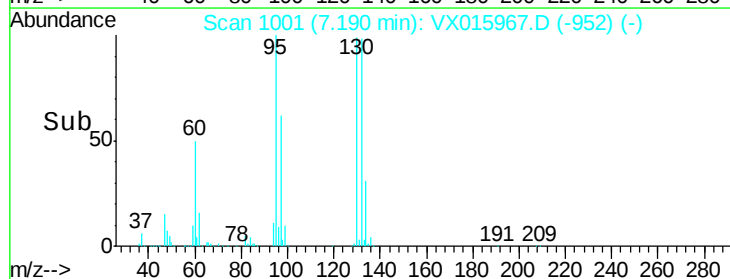
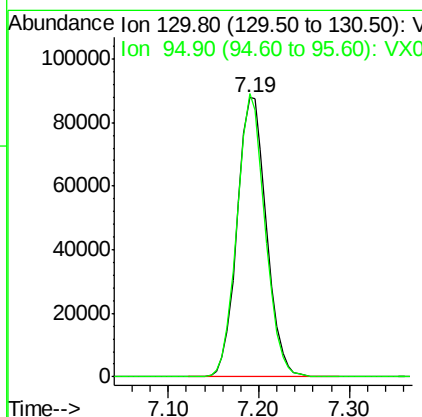
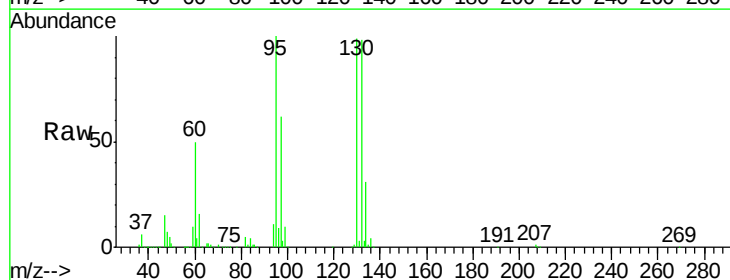
MMDadoda
 4/30/2020 3:00:03 PM

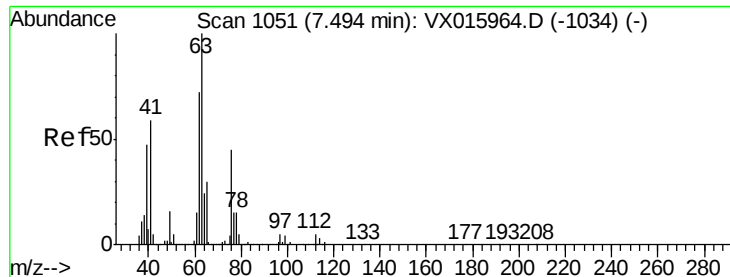


#44

Trichloroethene
 Concen: 49.171 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX015967.D
 Acq: 28 Apr 2020 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	196834		
95	101.5		0.0	197.4





#45

1,2-Dichloropropane

Concen: 52.114 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX042820

Tot Ion: 63 Resp: 149579

Ion Ratio Lower Upper

63 100

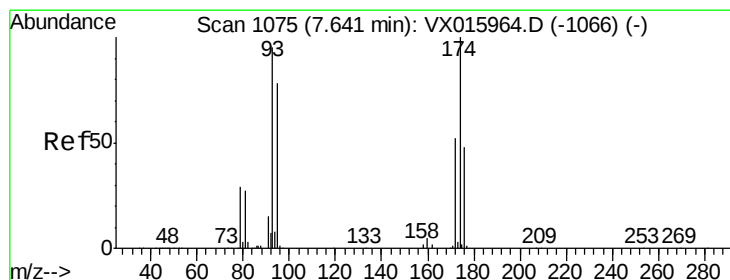
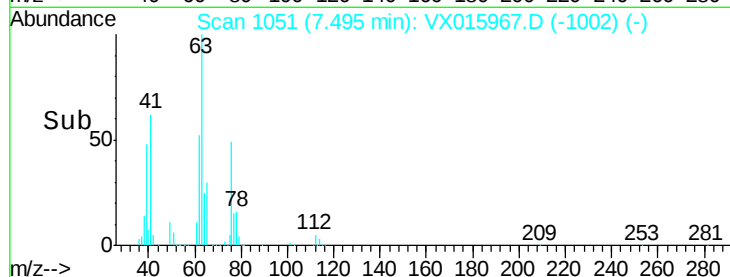
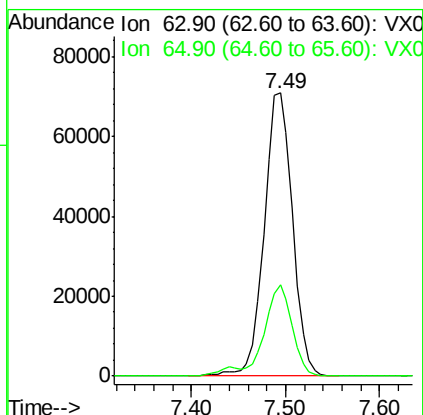
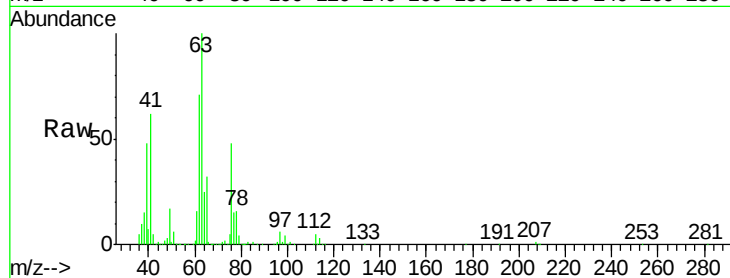
65 32.1 24.3 36.5

Manual Integrations

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#46

Dibromomethane

Concen: 52.069 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

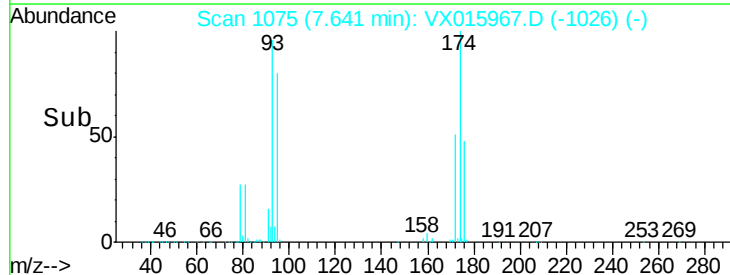
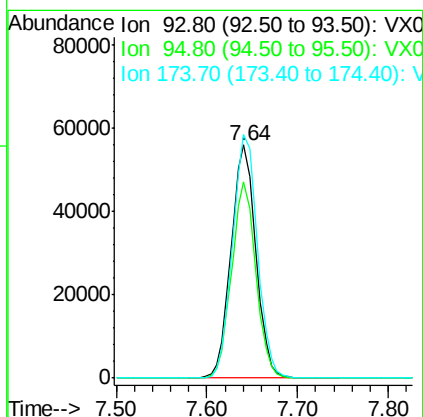
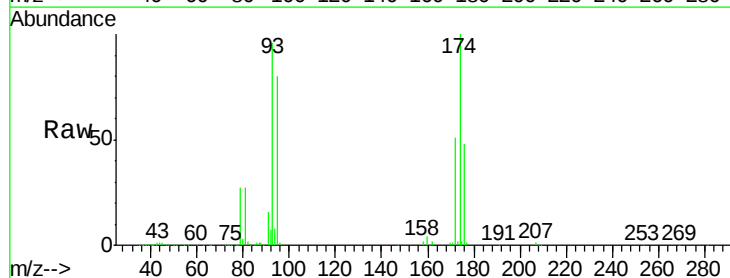
Tgt Ion: 93 Resp: 106194

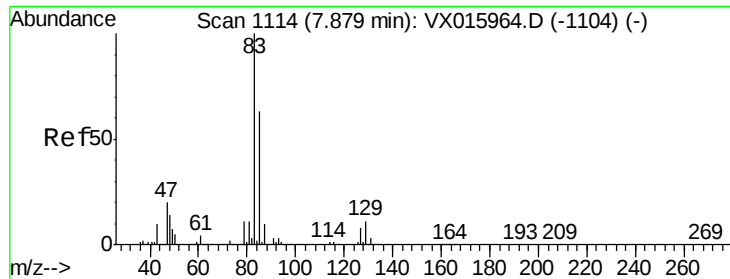
Ion Ratio Lower Upper

93 100

95 82.3 65.5 98.3

174 105.2 82.7 124.1





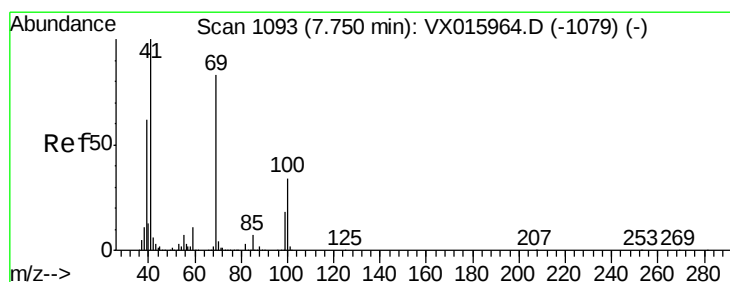
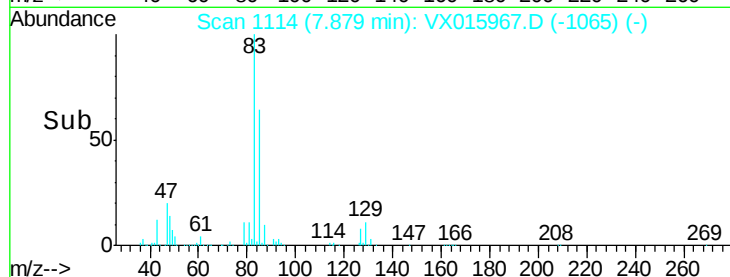
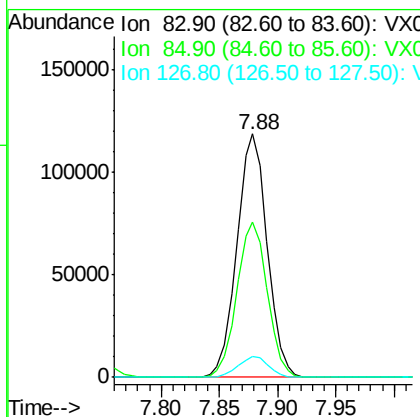
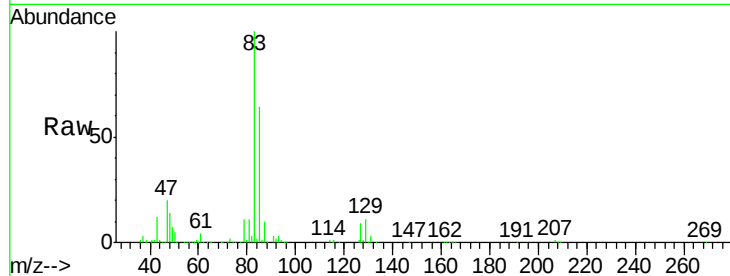
#47
Bromodichloromethane
Concen: 53.143 ug/l
RT: 7.88 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VX015967.D
Acq: 28 Apr 2020 17:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX042820

Tot Ion	Ratio	Resp	Lower	Upper
83	100	215380		
85	63.7		50.6	75.8
127	8.5		6.7	10.1

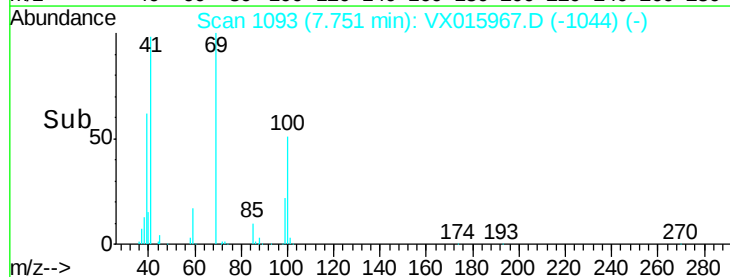
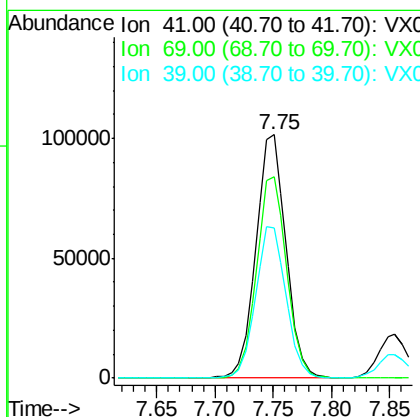
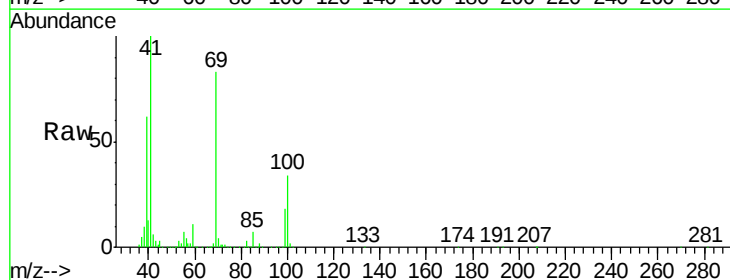
Manual Integrations
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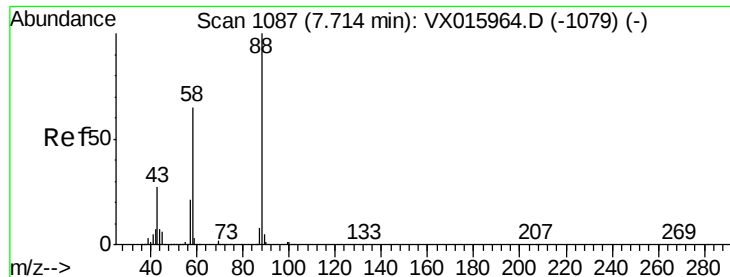
MMDadoda
4/30/2020 3:00:03 PM



#48
Methyl methacrylate
Concen: 53.522 ug/l
RT: 7.75 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VX015967.D
Acq: 28 Apr 2020 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	182637		
69	83.1		66.0	99.0
39	62.7		49.0	73.4





#49

1,4-Dioxane

Concen: 1051.887 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Instrument :

MSVOA_X

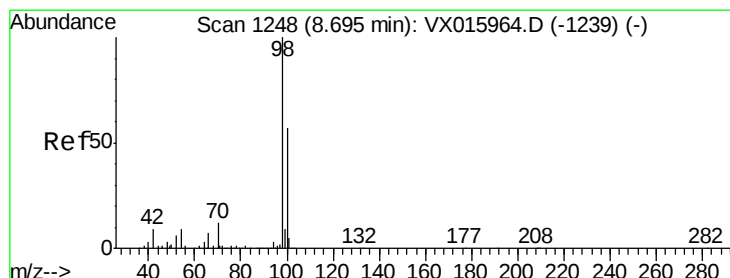
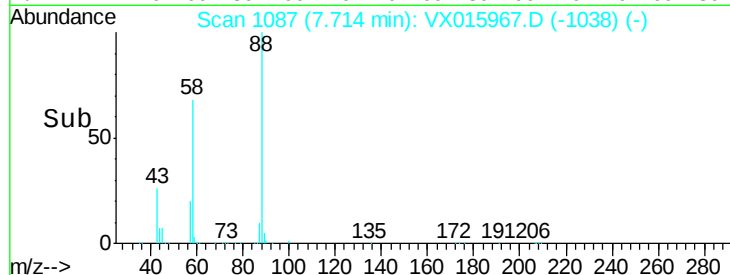
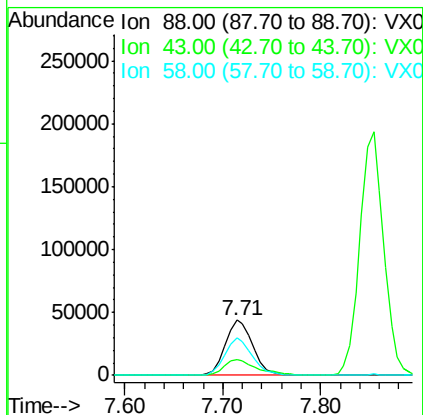
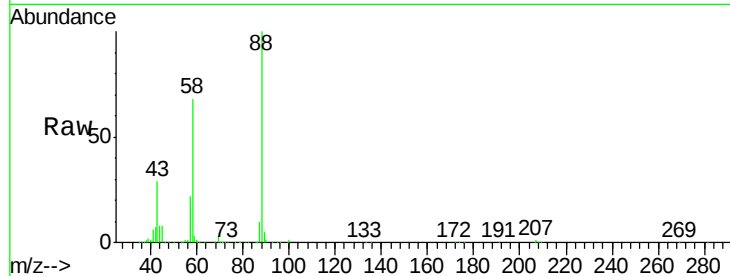
ClientSampleId :

ICVVX042820

Tot Ion:	88	Resp:	84441
Ion	Ratio	Lower	Upper
88	100		
43	33.5	26.6	39.8
58	69.0	54.8	82.2

Manual Integrations
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4/30/2020 3:00:03 PM



#50

Toluene-d8

Concen: 51.867 ug/l

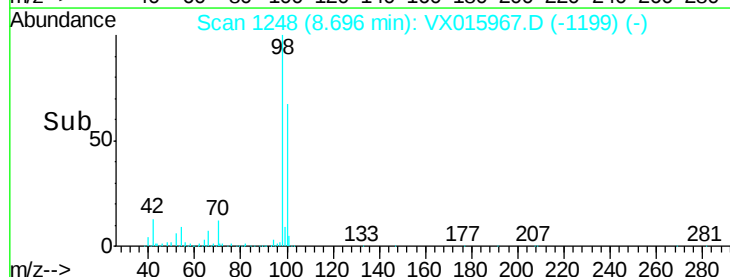
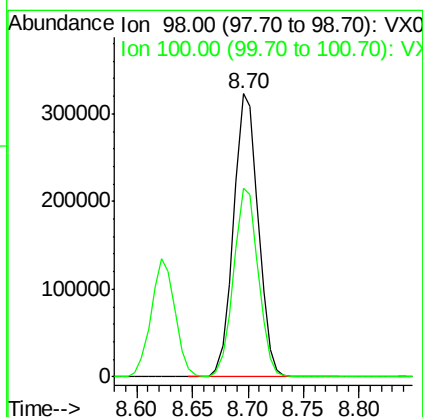
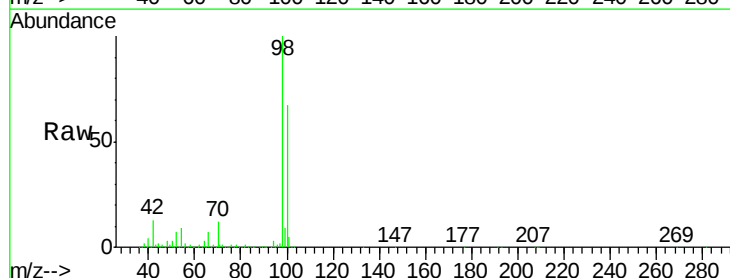
RT: 8.70 min Scan# 1248

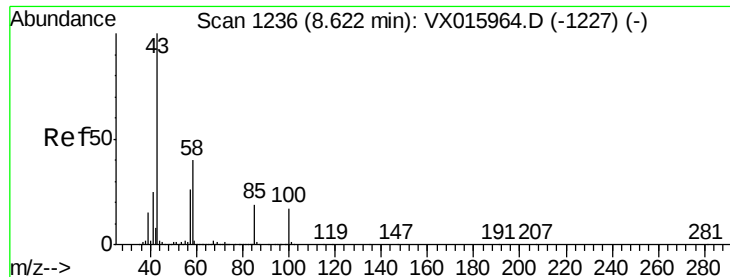
Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Tgt Ion:	98	Resp:	494375
Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 268.212 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX042820

Tot Ion: 43 Resp: 1202402

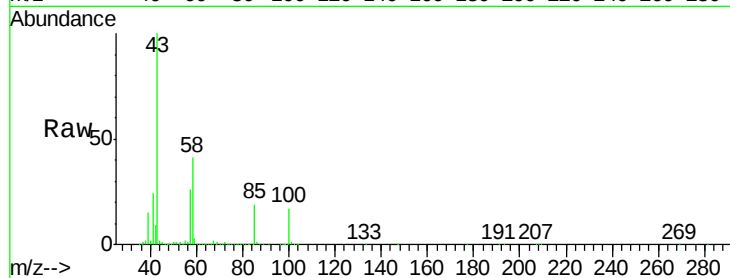
Ion Ratio Lower Upper

43 100

58 40.4 32.0 48.0

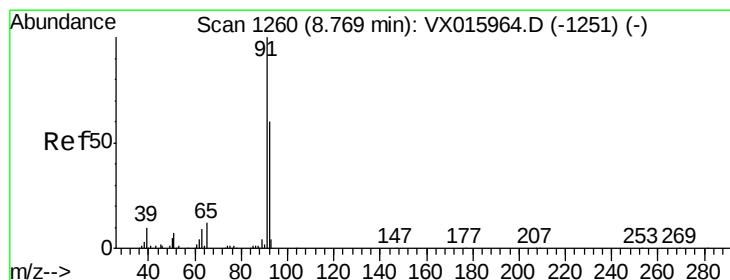
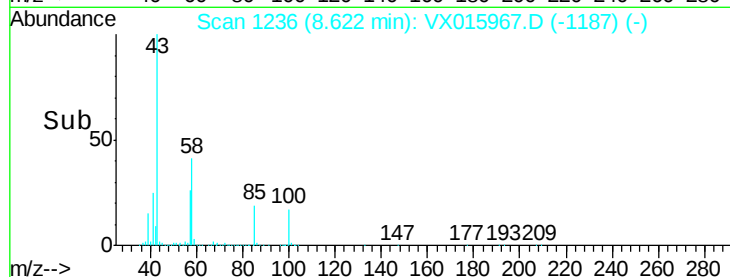
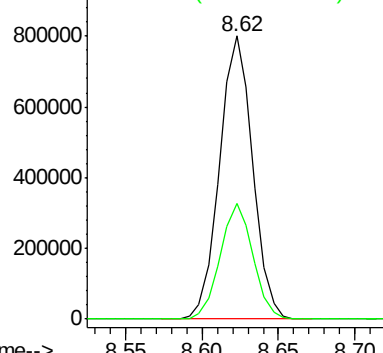
Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 52.306 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX015967.D

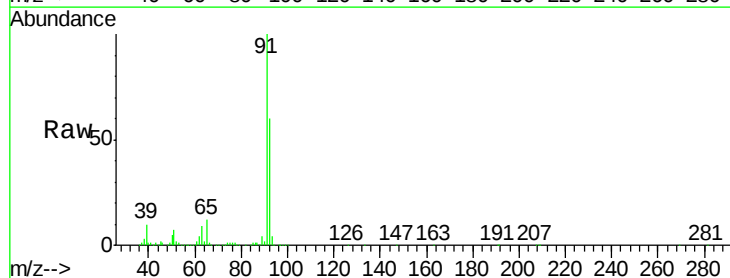
Acq: 28 Apr 2020 17:17

Tgt Ion: 92 Resp: 368733

Ion Ratio Lower Upper

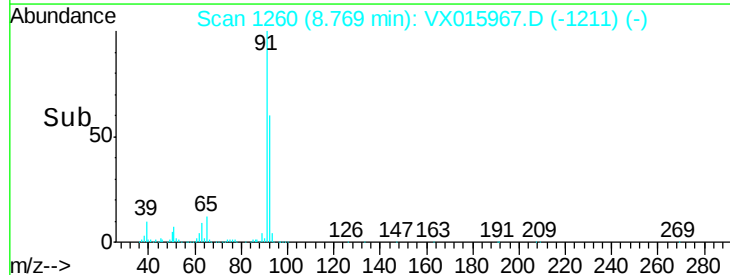
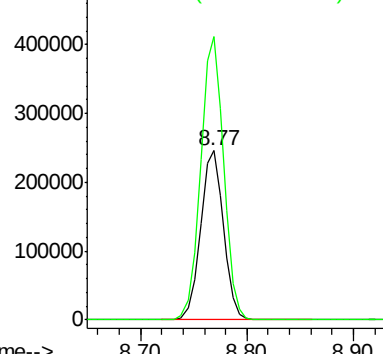
92 100

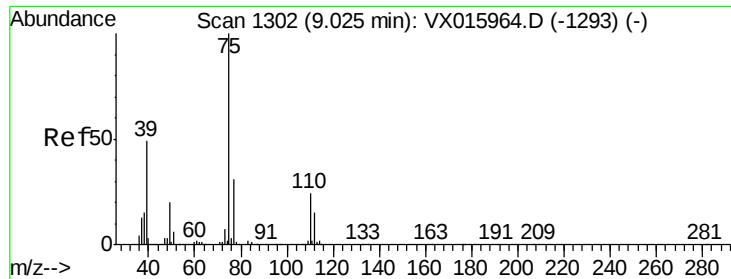
91 167.7 134.6 202.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 52.345 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX042820

Tot Ion: 75 Resp: 251723

Ion Ratio Lower Upper

75 100

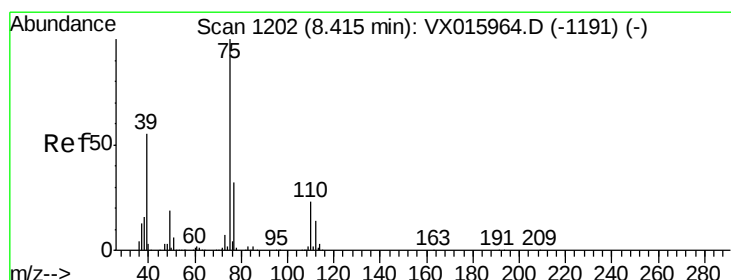
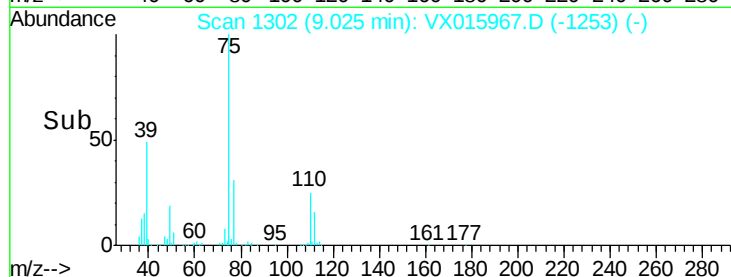
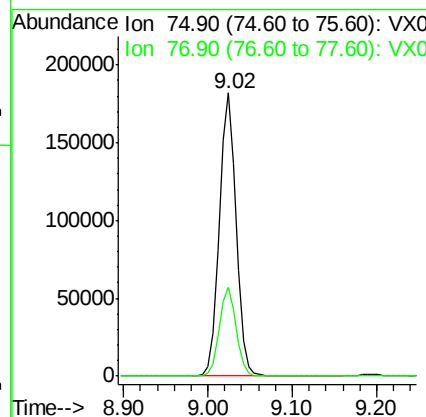
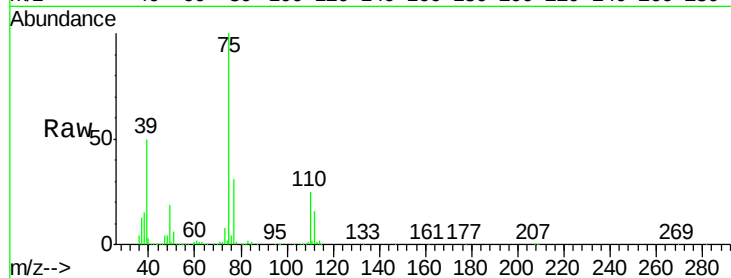
77 31.3 24.9 37.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 52.197 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

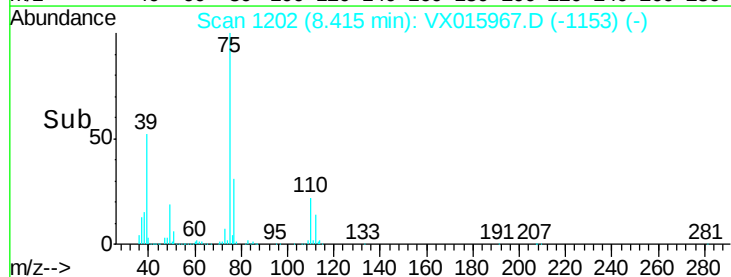
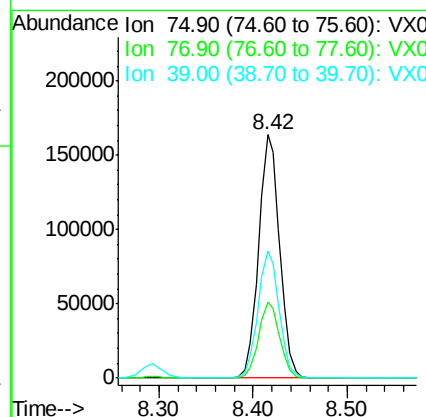
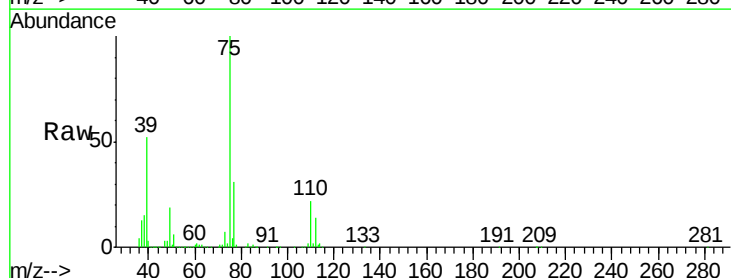
Tgt Ion: 75 Resp: 258161

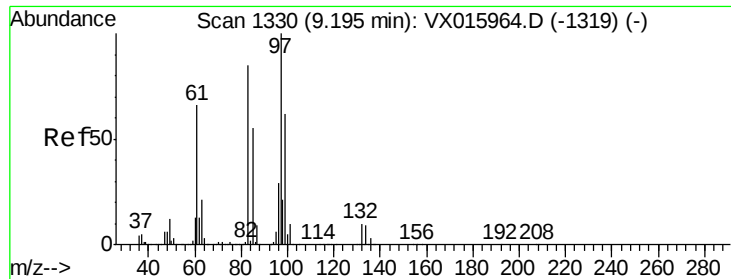
Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.0

39 52.2 44.1 66.1





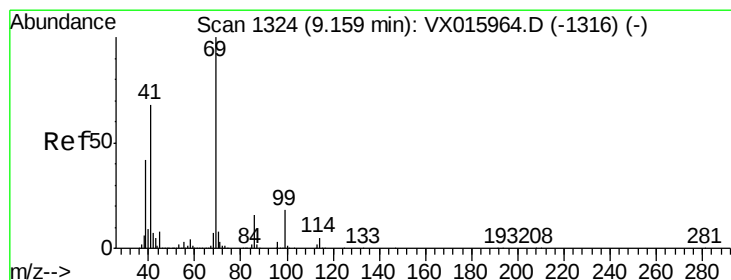
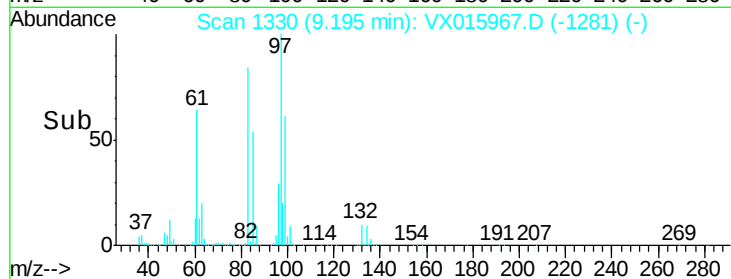
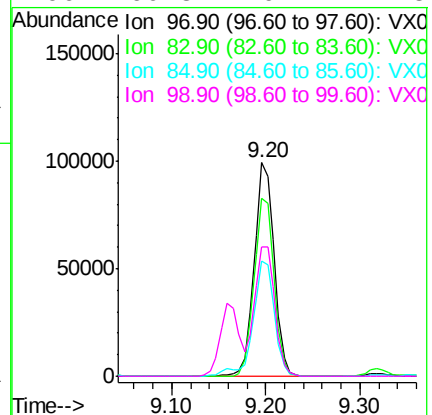
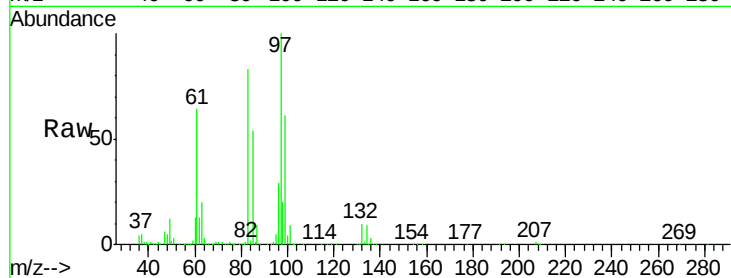
#55
 1,1,2-Trichloroethane
 Concen: 52.461 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX015967.D
 Acq: 28 Apr 2020 17:17

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX042820

Tot Ion	97	Resp	147795
Ion	Ratio	Lower	Upper
97	100		
83	83.5	68.2	102.2
85	54.2	43.7	65.5
99	60.8	49.7	74.5

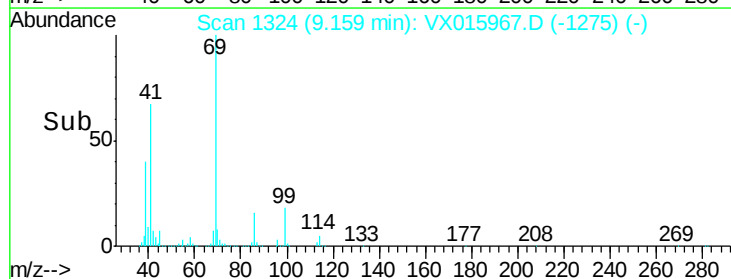
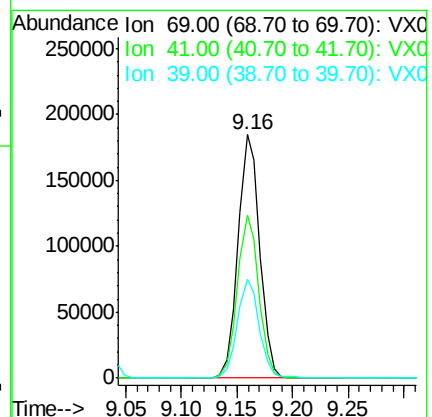
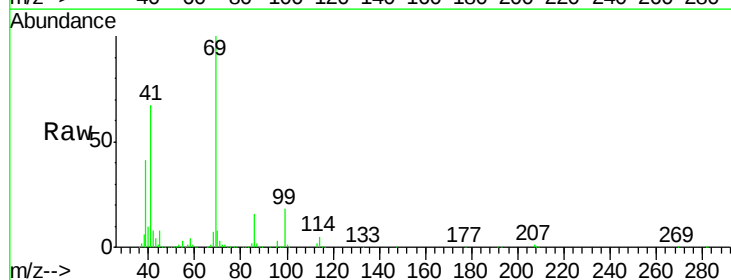
Manual Integrations
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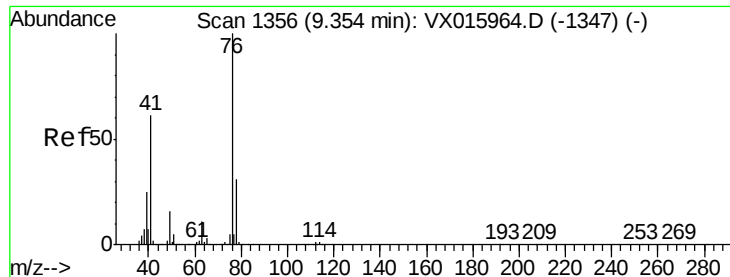
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 4/30/2020 3:00:03 PM



#56
 Ethyl methacrylate
 Concen: 54.163 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX015967.D
 Acq: 28 Apr 2020 17:17

Tgt Ion	69	Resp	248115
Ion	Ratio	Lower	Upper
69	100		
41	66.3	53.5	80.3
39	41.1	33.4	50.0





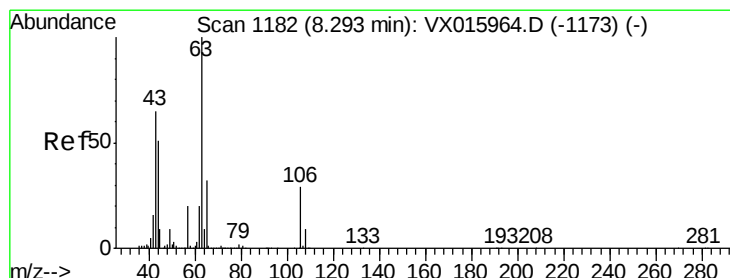
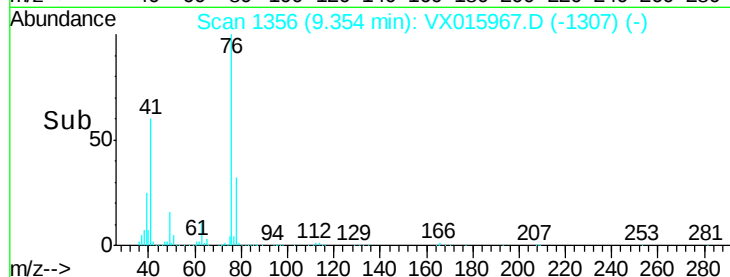
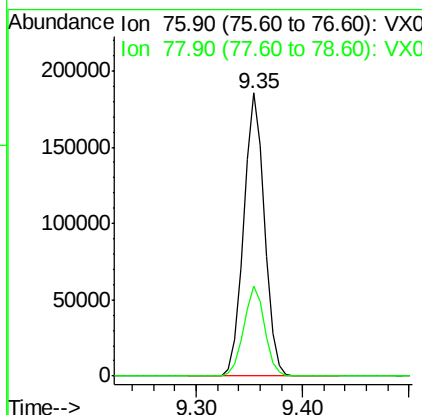
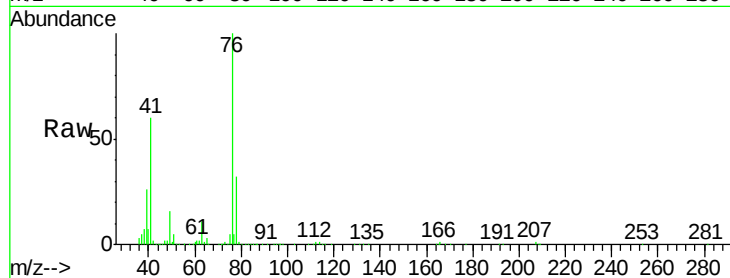
#57
 1,3-Dichloropropane
 Concen: 52.541 ug/l
 RT: 9.35 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VX015967.D
 Acq: 28 Apr 2020 17:17

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX042820

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.5	38.3

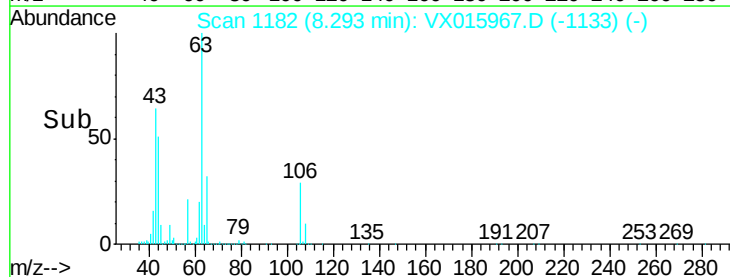
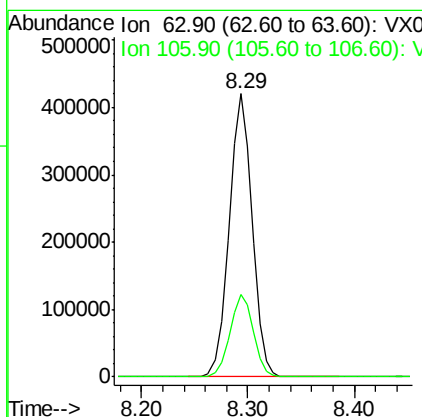
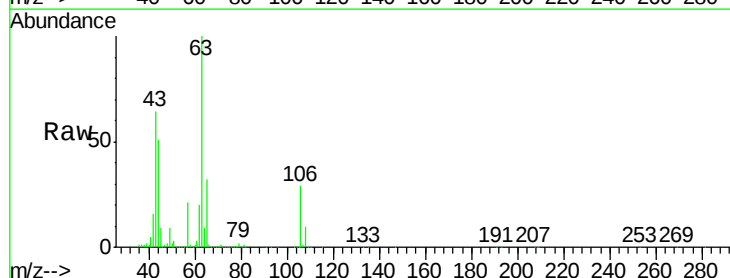
Manual Integrations
 APPROVED

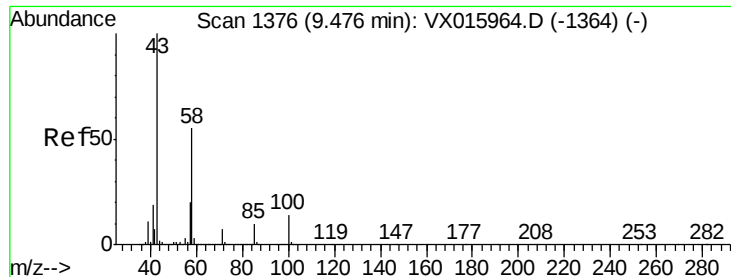
MMDadoda
 4/30/2020 3:00:03 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 268.060 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VX015967.D
 Acq: 28 Apr 2020 17:17

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.6	23.6	35.4





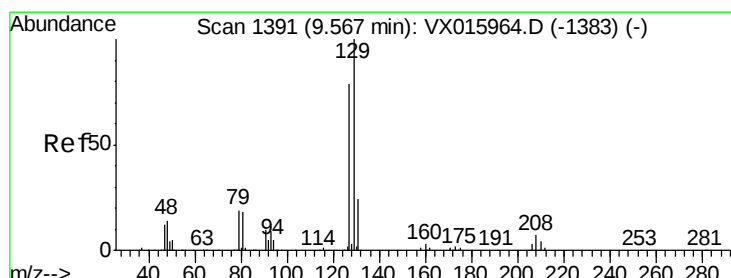
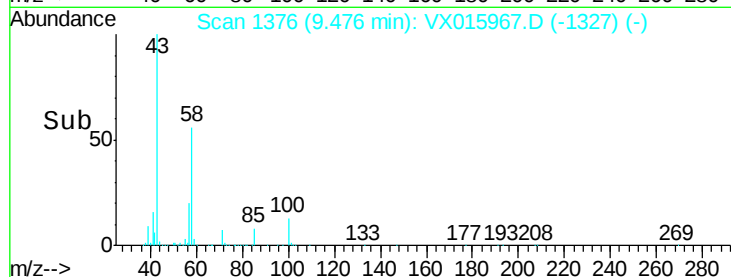
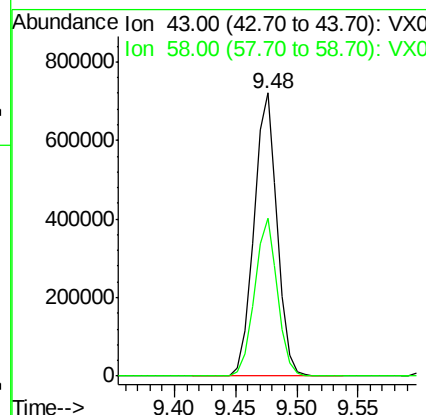
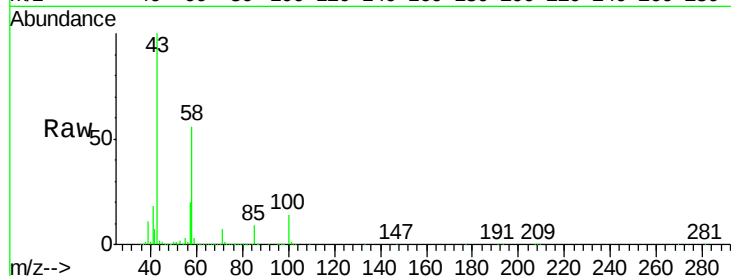
#59
2-Hexanone
Concen: 270.569 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX015967.D
Acq: 28 Apr 2020 17:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX042820

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.3	27.7	83.1

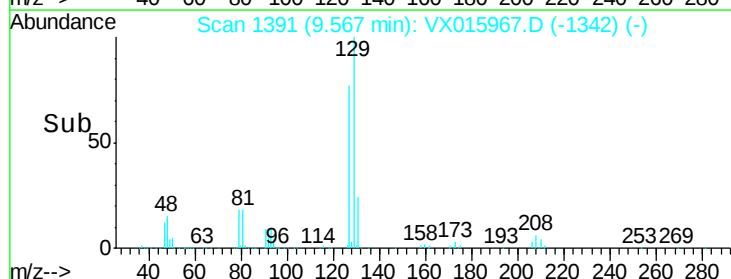
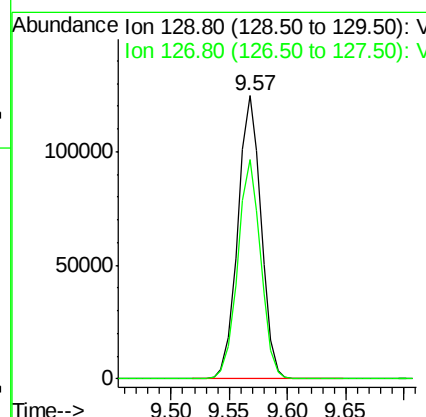
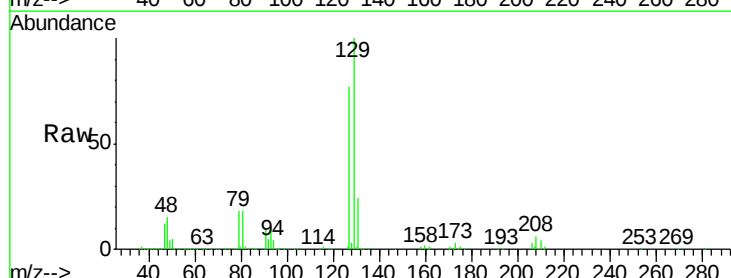
Manual Integrations
APPROVED

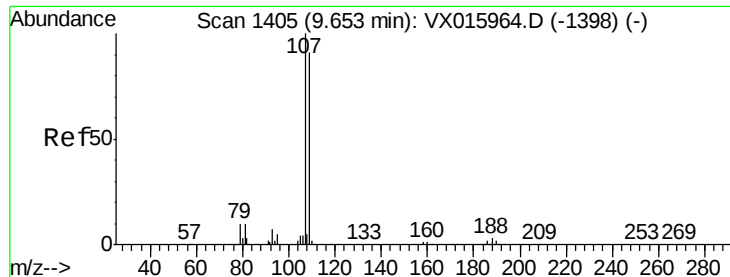
MMDadoda
4/30/2020 3:00:03 PM



#60
Dibromochloromethane
Concen: 55.073 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX015967.D
Acq: 28 Apr 2020 17:17

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.4	39.4	118.1





#61

1,2-Dibromoethane

Concen: 53.158 ug/l

RT: 9.66 min Scan# 1406

Delta R.T. 0.01 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX042820

Tot Ion: 107 Resp: 162395

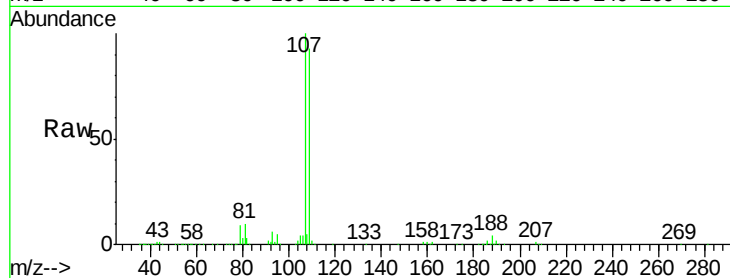
Ion Ratio Lower Upper

107 100

109 93.8 74.9 112.3

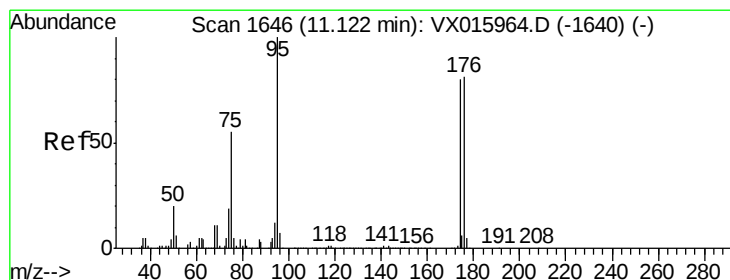
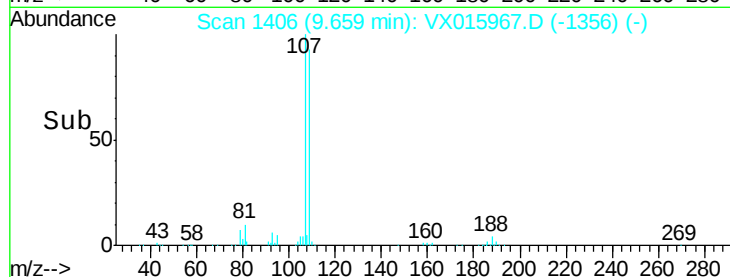
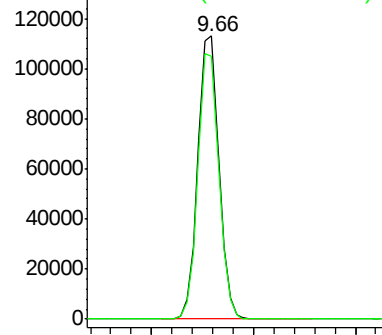
Manual Integrations
APPROVED

MMDadoda
4/30/2020 3:00:03 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.958 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

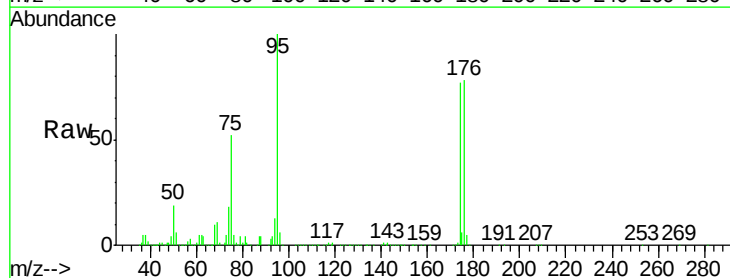
Tgt Ion: 95 Resp: 194241

Ion Ratio Lower Upper

95 100

174 82.4 0.0 165.0

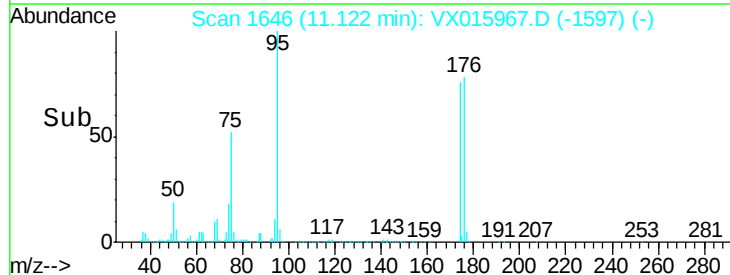
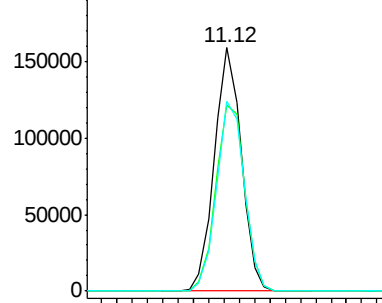
176 80.6 0.0 163.2

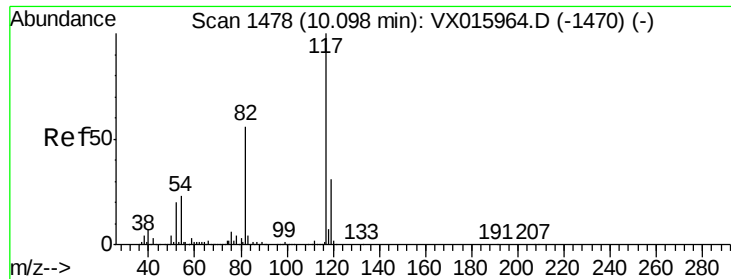


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





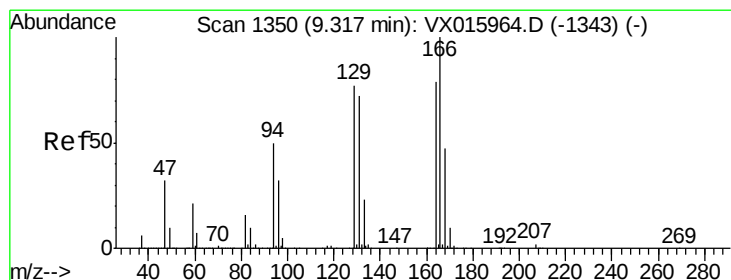
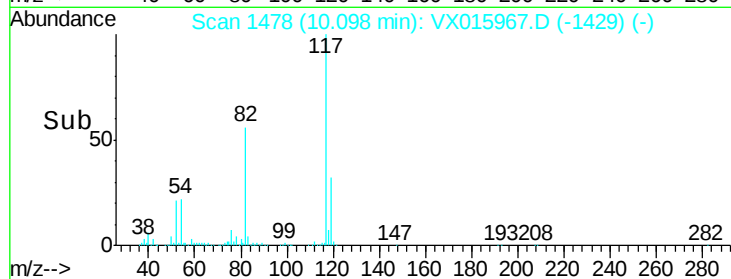
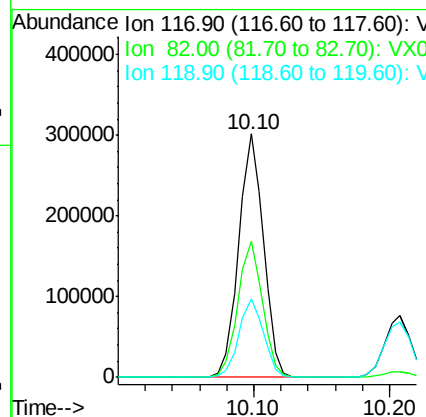
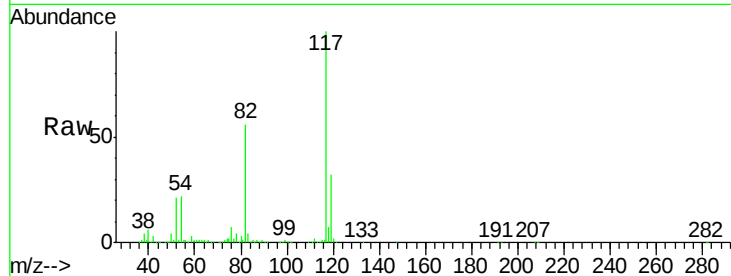
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX015967.D
Acq: 28 Apr 2020 17:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX042820

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.5	66.7
119	32.2	25.0	37.6

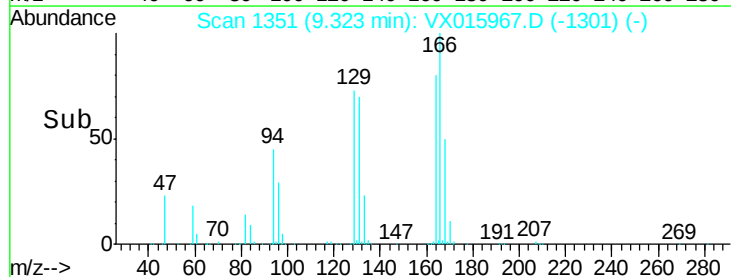
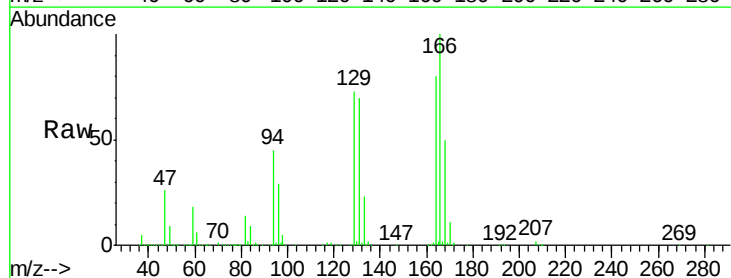
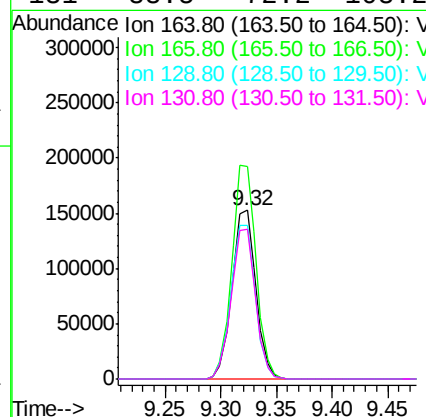
Manual Integrations
APPROVED

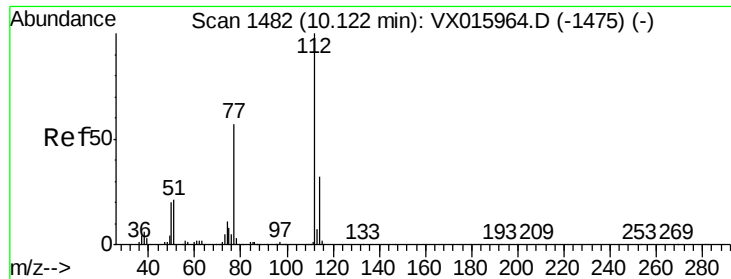
MMDadoda
4/30/2020 3:00:03 PM



#64
Tetrachloroethene
Concen: 50.104 ug/l
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX015967.D
Acq: 28 Apr 2020 17:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	101.0	151.4
129	91.4	77.4	116.0
131	88.5	72.2	108.2





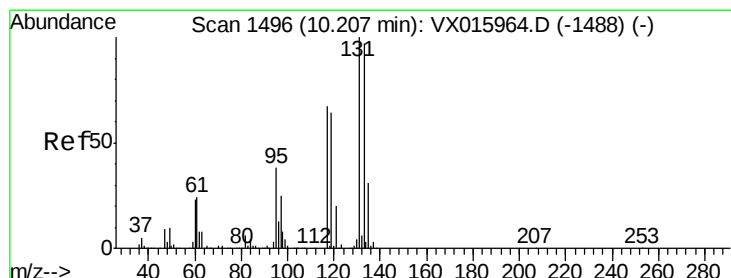
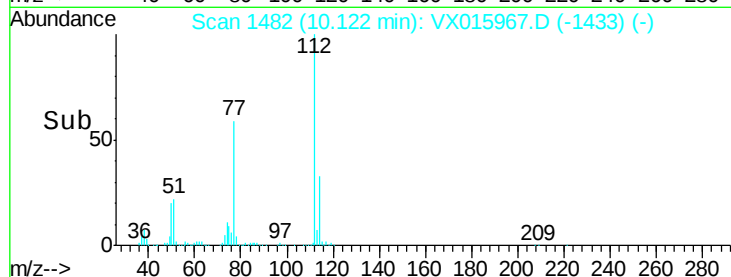
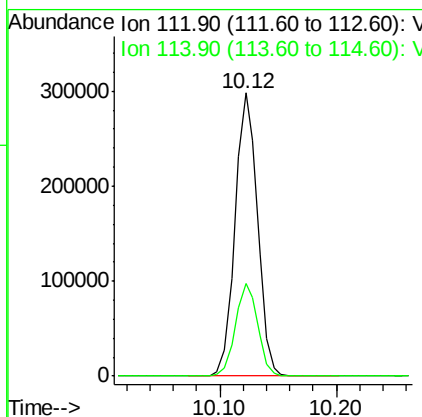
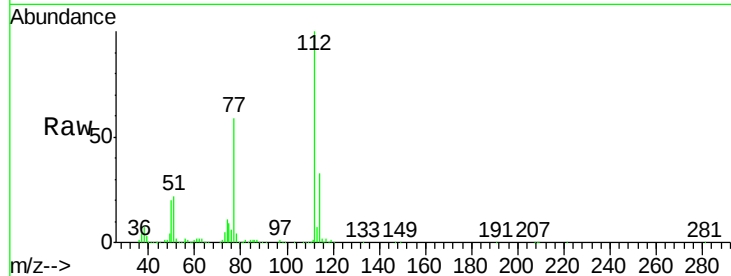
#65
Chlorobenzene
Concen: 51.473 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX015967.D
Acq: 28 Apr 2020 17:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX042820

Tot Ion:112 Resp: 399706
Ion Ratio Lower Upper
112 100
114 32.8 25.4 38.0

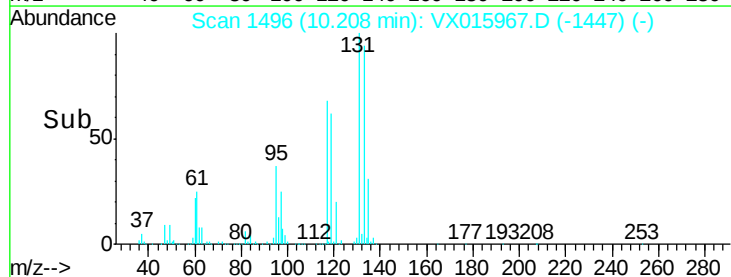
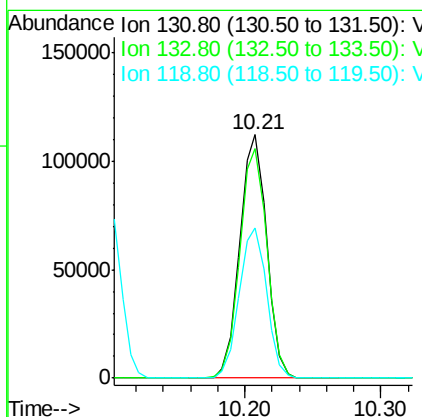
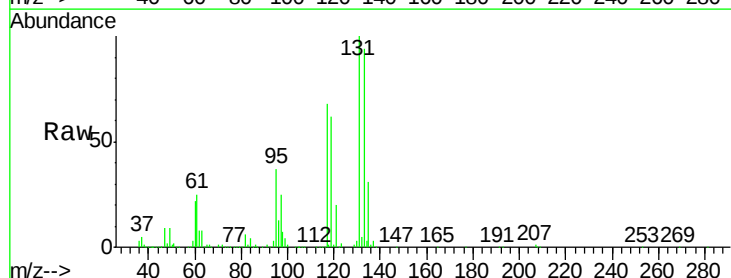
Manual Integrations
APPROVED

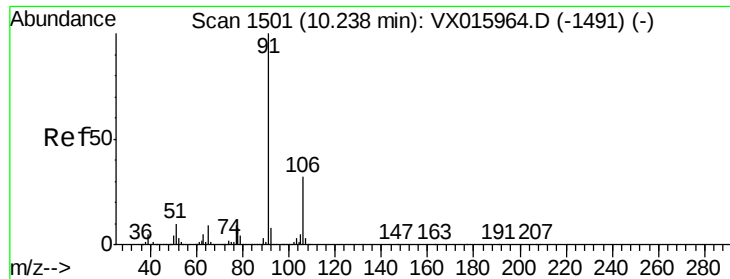
MMDadoda
4/30/2020 3:00:03 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.591 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. 0.00 min
Lab File: VX015967.D
Acq: 28 Apr 2020 17:17

Tgt Ion:131 Resp: 154352
Ion Ratio Lower Upper
131 100
133 95.5 48.3 144.8
119 62.9 31.6 94.8





#67

Ethyl Benzene

Concen: 52.281 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX042820

Tot Ion: 91 Resp: 723004

Ion Ratio Lower Upper

91 100

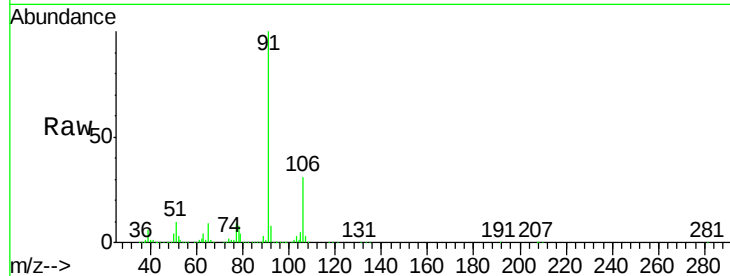
106 31.1 25.3 37.9

Manual Integrations

APPROVED

MMDadoda

4/30/2020 3:00:03 PM



Abundance Ion 91.00 (90.70 to 91.70): VX015967.D (-1452) (-)

Ion 106.00 (105.70 to 106.70): VX015967.D (-1452) (-)

800000

600000

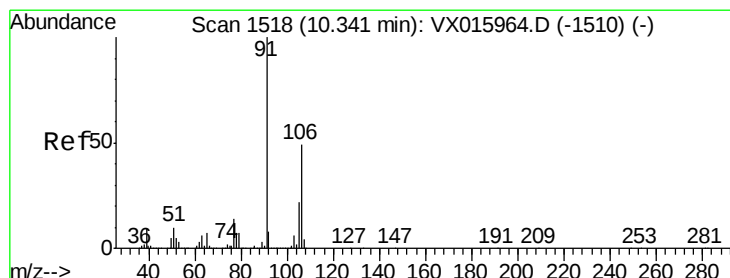
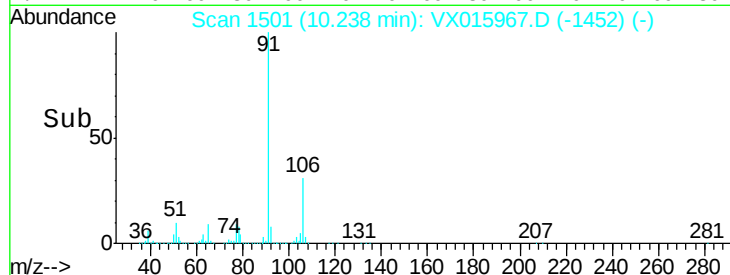
400000

200000

0

10.20 10.30

Time-->



#68

m/p-Xylenes

Concen: 103.676 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX015967.D

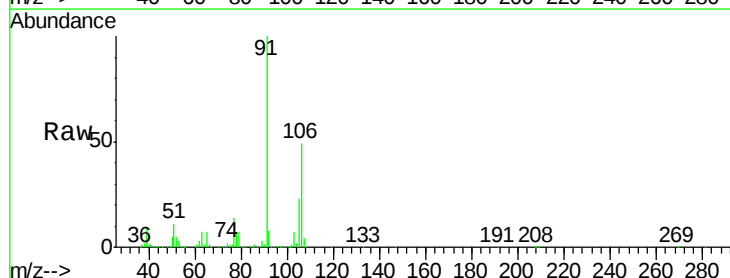
Acq: 28 Apr 2020 17:17

Tgt Ion: 106 Resp: 544042

Ion Ratio Lower Upper

106 100

91 202.9 161.6 242.4



Abundance Ion 106.00 (105.70 to 106.70): VX015967.D (-1469) (-)

Ion 91.00 (90.70 to 91.70): VX015967.D (-1469) (-)

800000

600000

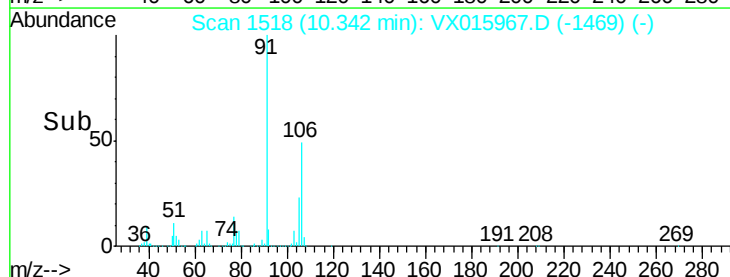
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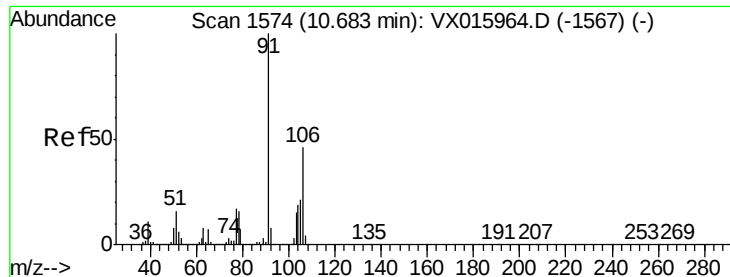
200000

0

10.30 10.40

Time-->





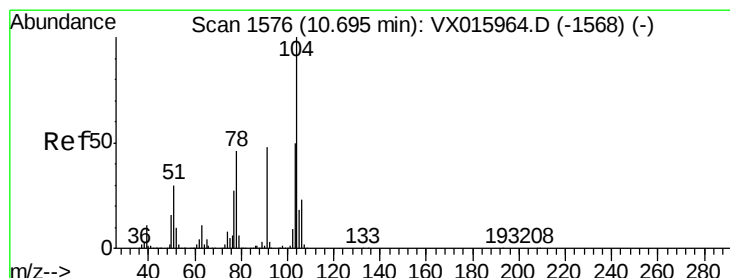
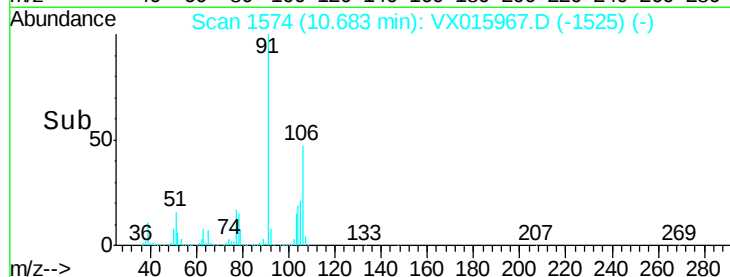
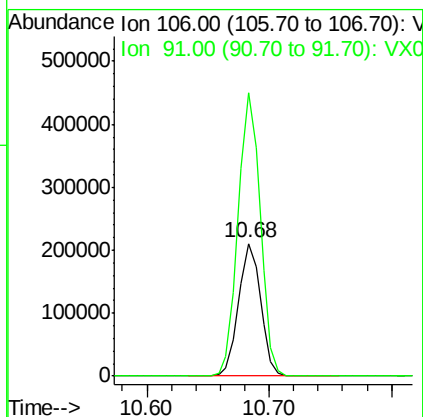
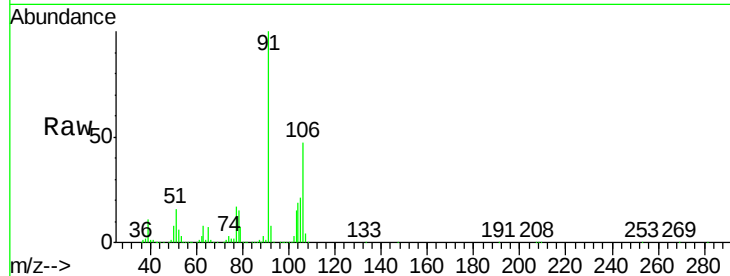
#69
o-Xylene
Concen: 52.619 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX015967.D
Acq: 28 Apr 2020 17:17

Instrument :
MSVOA_X
Client Sample ID :
ICVVX042820

Tot Ion	Ion	Ratio	Lower	Upper
262154	106	100		
	91	214.2	106.1	318.3

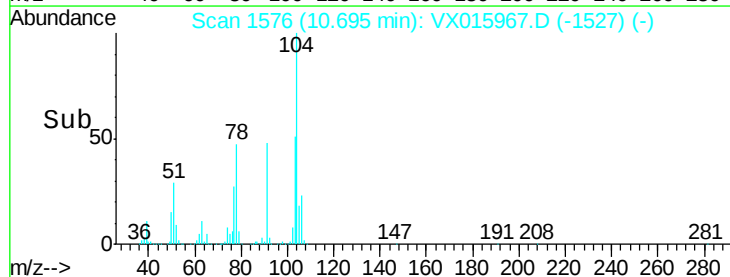
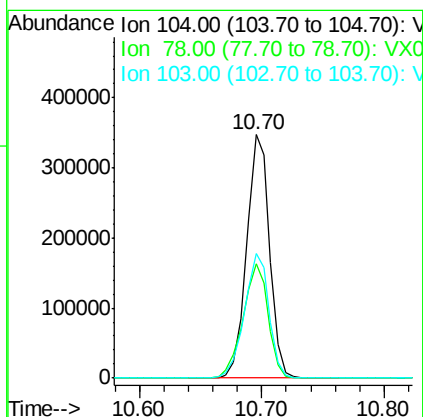
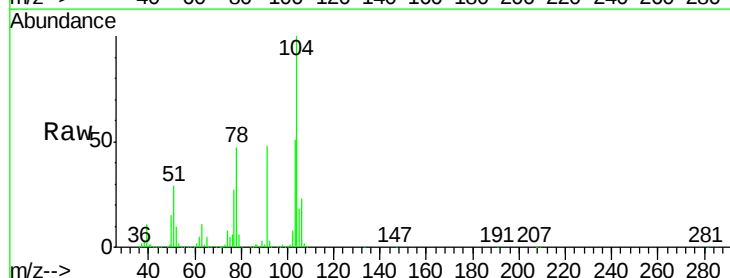
Manual Integrations
APPROVED

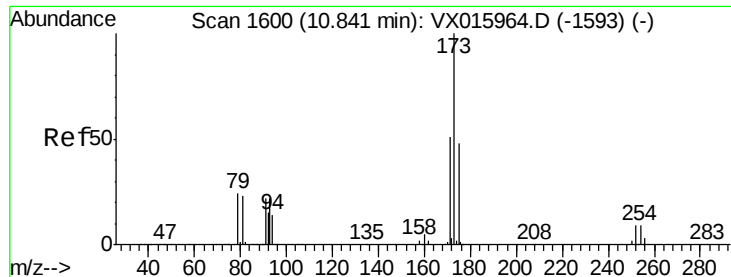
MMDadoda
4/30/2020 3:00:03 PM



#70
Styrene
Concen: 52.742 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX015967.D
Acq: 28 Apr 2020 17:17

Tgt Ion	Ion	Ratio	Lower	Upper
450876	104	100		
	78	51.2	41.0	61.4
	103	55.0	43.4	65.2





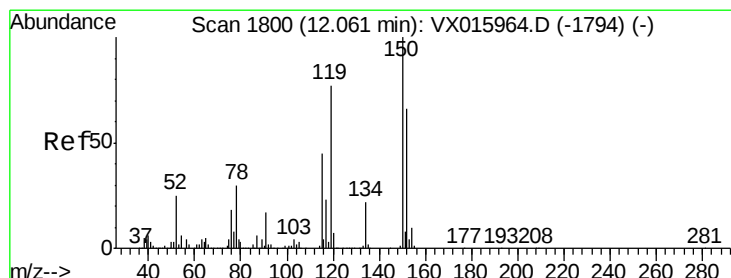
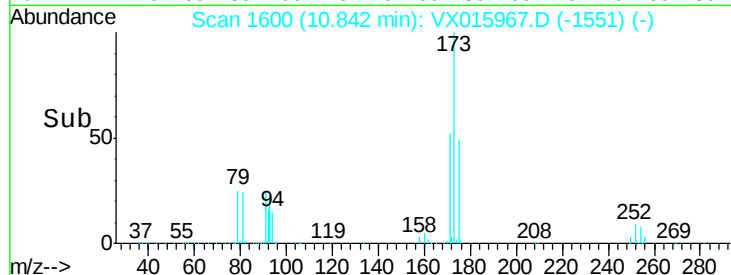
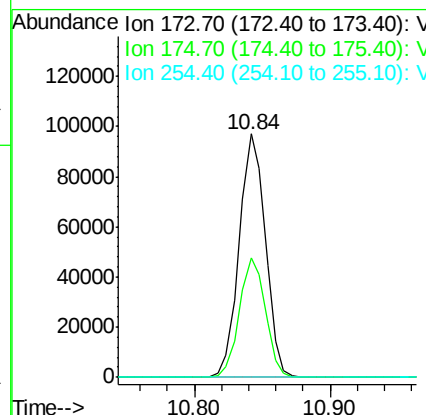
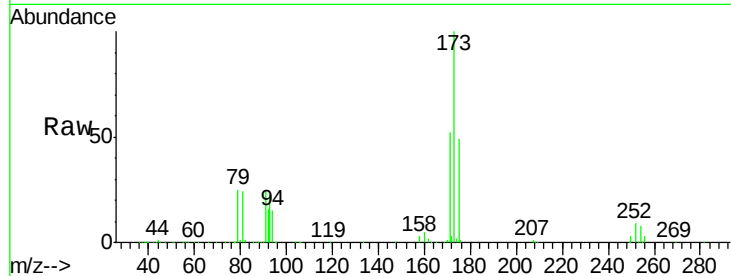
#71
Bromoform
Concen: 48.622 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX015967.D
Acq: 28 Apr 2020 17:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX042820

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.4
254	0.2	0.1	0.1#

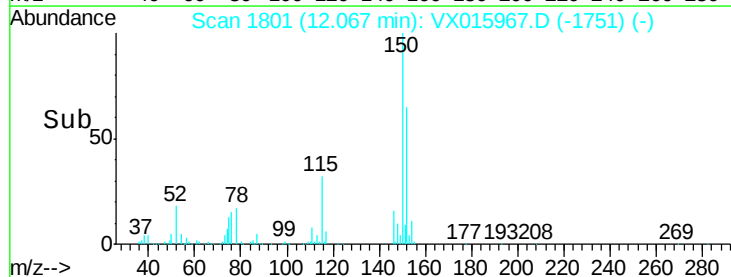
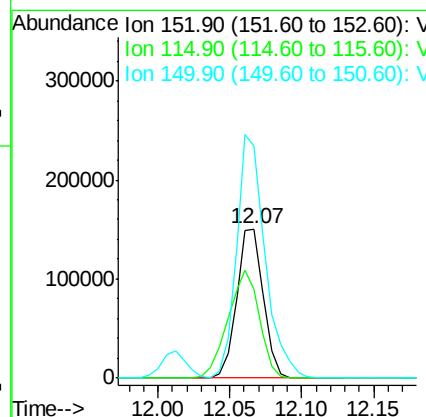
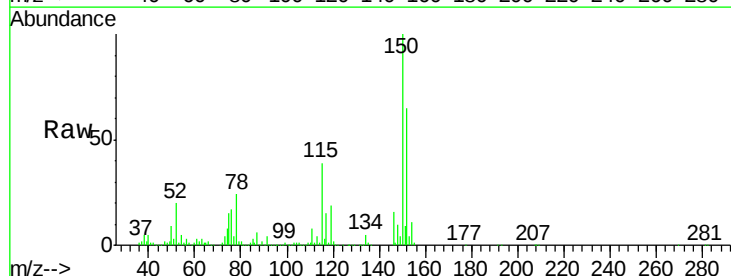
Manual Integrations
APPROVED

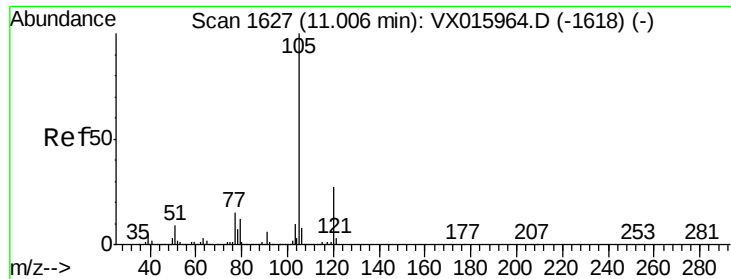
MMDadoda
4/30/2020 3:00:03 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1801
Delta R.T. 0.01 min
Lab File: VX015967.D
Acq: 28 Apr 2020 17:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	85.6	40.9	122.7
150	174.9	0.0	342.4





#73

Isopropylbenzene

Concen: 53.713 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX042820

Tot Ion:105 Resp: 708765

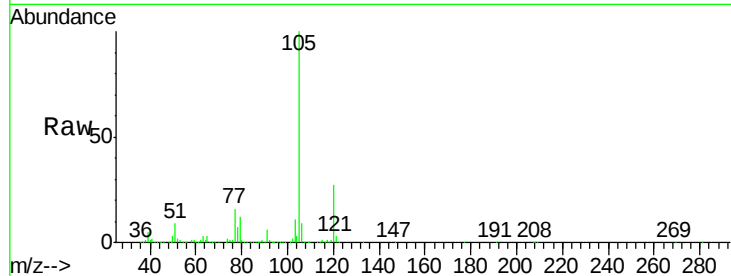
Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8

Manual Integrations
APPROVED

MMDadoda
4/30/2020 3:00:03 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

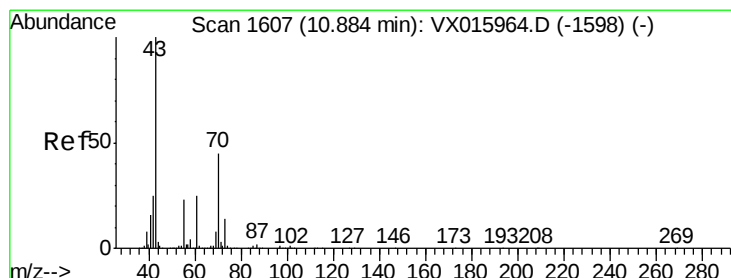
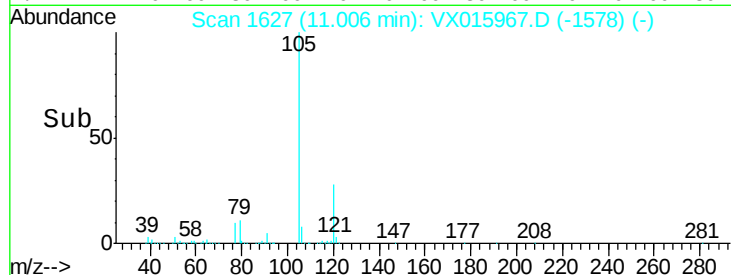
0

11.01

11.00

11.10

Time-->



#74

N-ethyl acetate

Concen: 54.008 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Tgt Ion: 43 Resp: 343708

Ion Ratio Lower Upper

43 100

70 43.2 34.5 51.7

55 23.6 18.6 28.0

61 24.6 19.8 29.6

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

400000

300000

200000

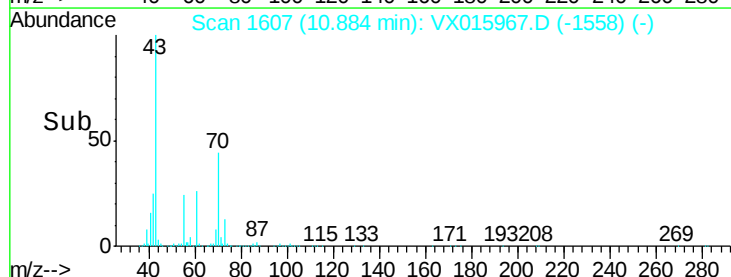
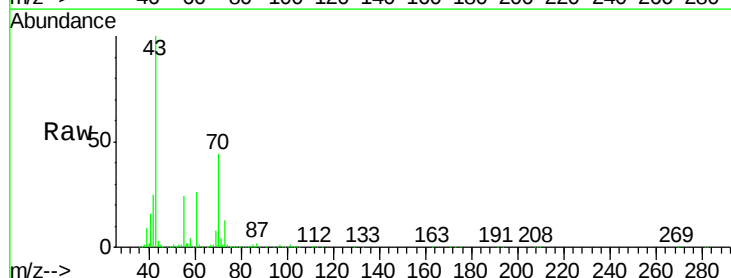
100000

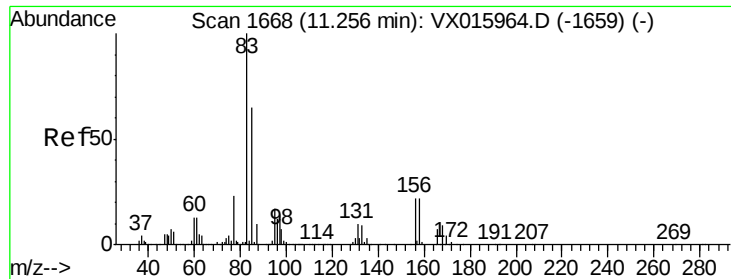
0

10.88

10.90

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.431 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Instrument :

MSVOA_X

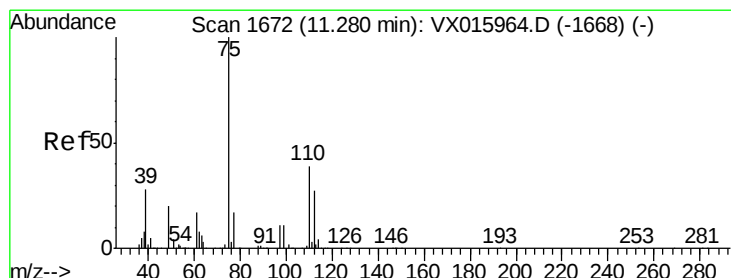
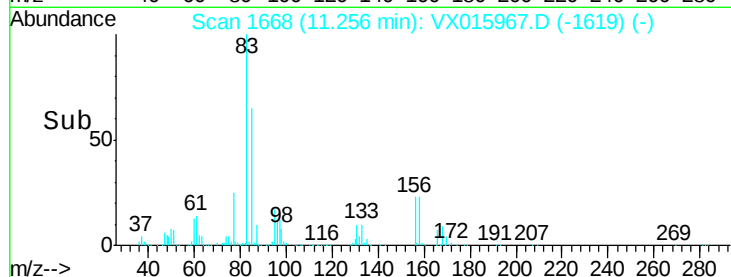
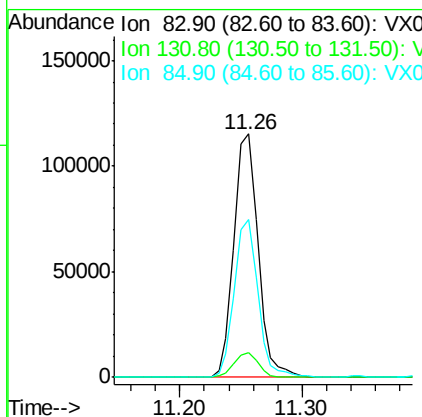
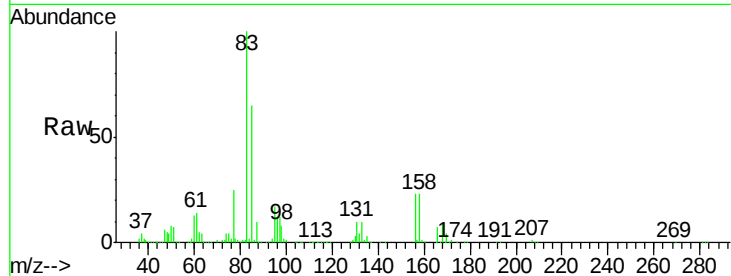
ClientSampleId :

ICVVX042820

Tot Ion:	83	Resp:	157884
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.4
85	63.7	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.132 ug/l m

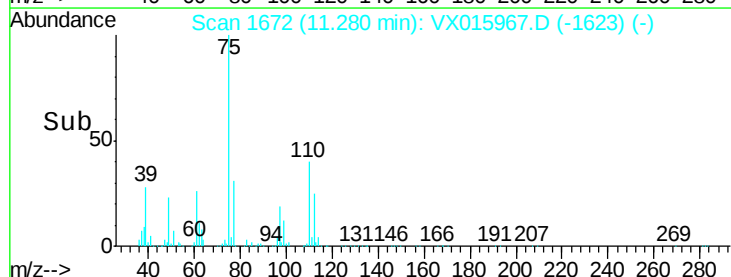
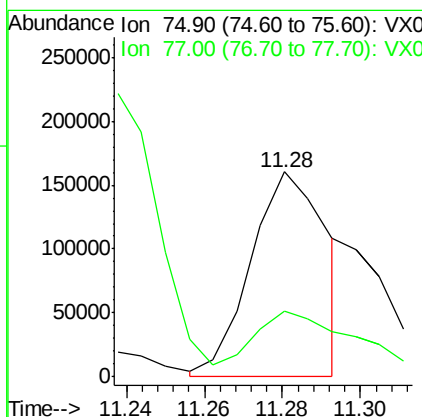
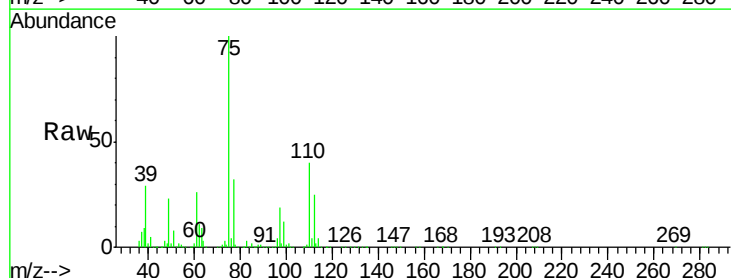
RT: 11.28 min Scan# 1672

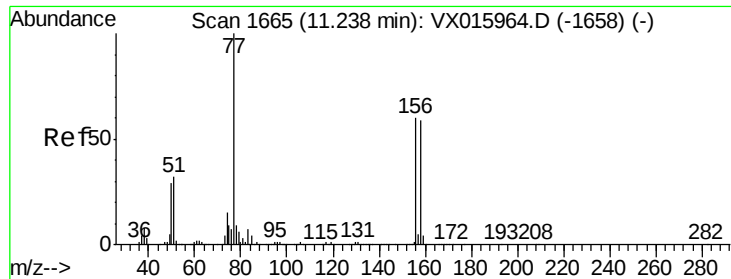
Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Tgt Ion:	75	Resp:	216256
Ion Ratio	Lower	Upper	
75	100		
77	44.0	21.6	65.0





#77

Bromobenzene

Concen: 53.924 ug/l

RT: 11.24 min Scan# 1666

Delta R.T. 0.01 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Instrument :

MSVOA_X

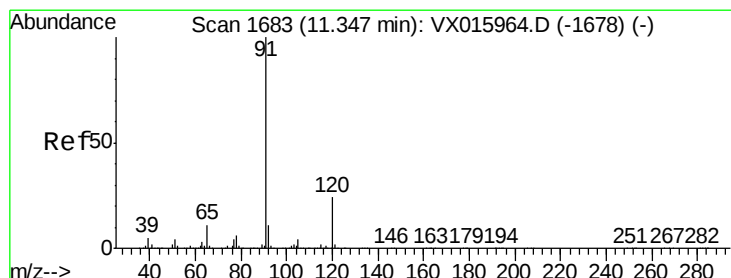
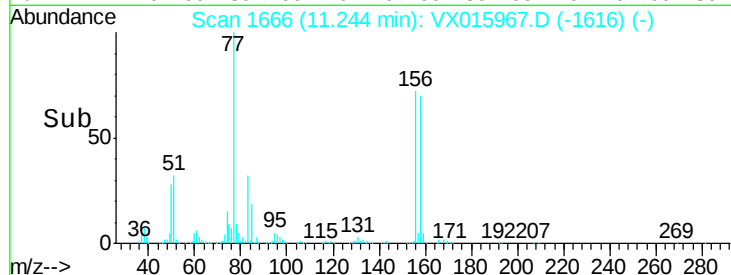
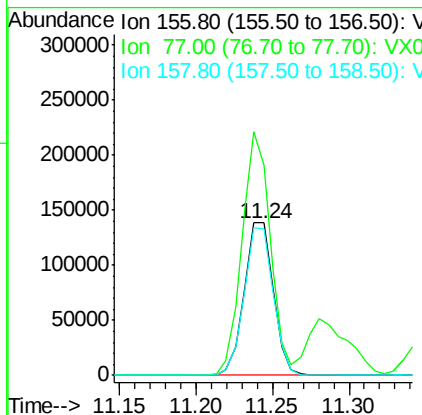
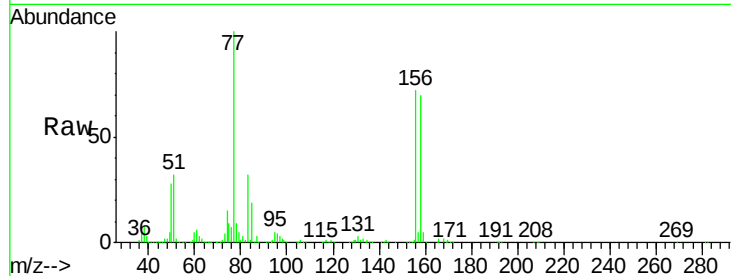
ClientSampleId :

ICVVX042820

Tot Ion	Ratio	Lower	Upper
156	100		
77	154.9	78.3	234.8
158	97.1	48.5	145.5

Manual Integrations
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4/30/2020 3:00:03 PM



#78

n-propylbenzene

Concen: 54.191 ug/l

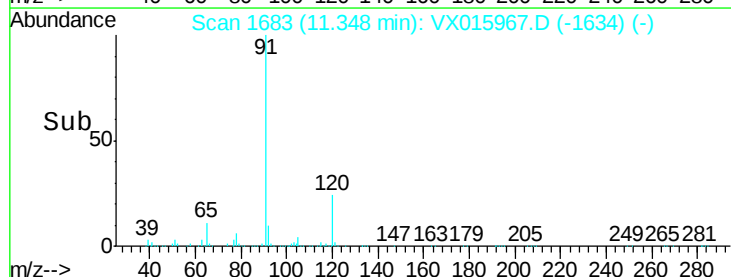
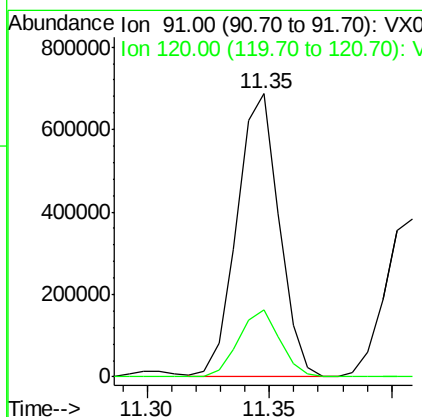
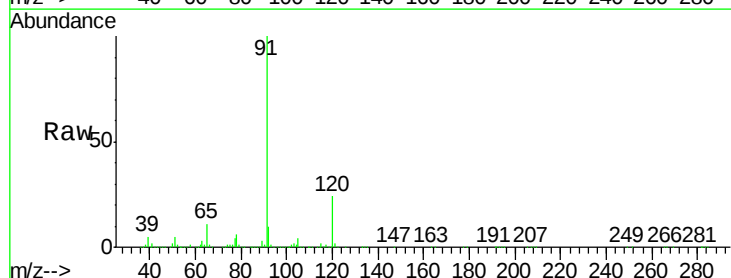
RT: 11.35 min Scan# 1683

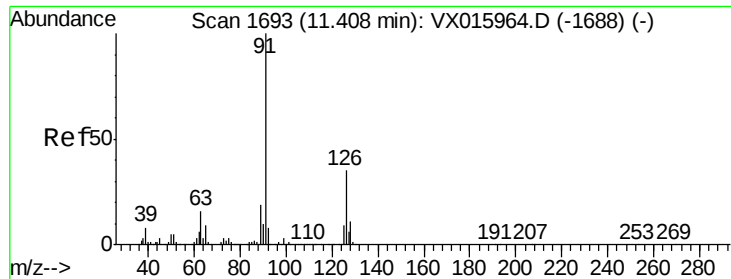
Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.8	35.3





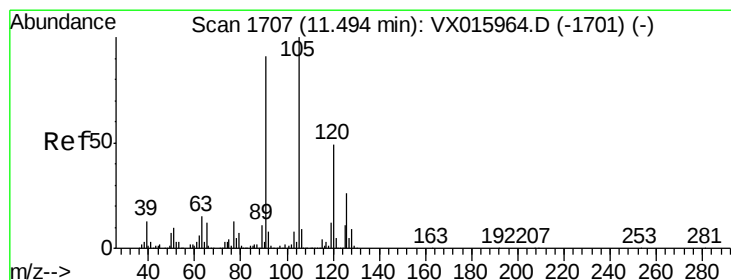
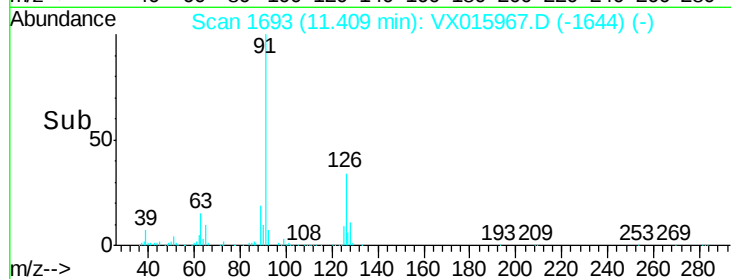
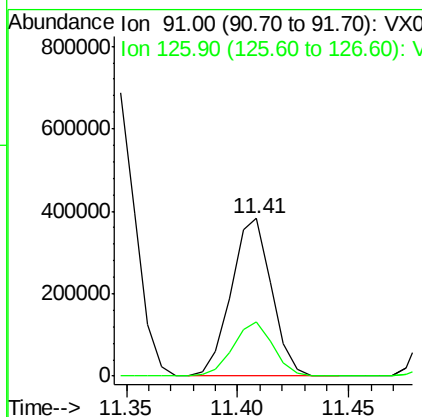
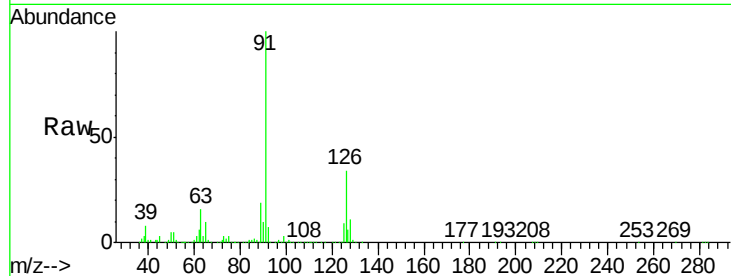
#79
 2-Chlorotoluene
 Concen: 53.314 ug/l
 RT: 11.41 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VX015967.D
 Acq: 28 Apr 2020 17:17

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX042820

Tot Ion: 91 Resp: 482180
 Ion Ratio Lower Upper
 91 100
 126 33.9 17.0 51.0

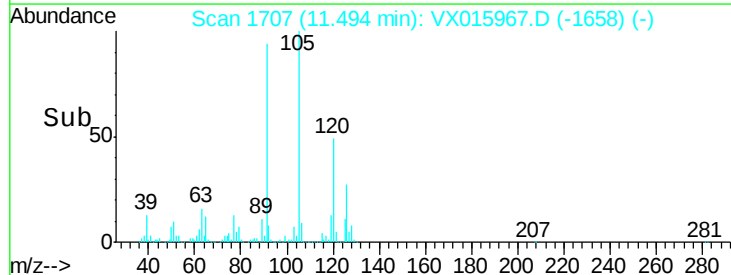
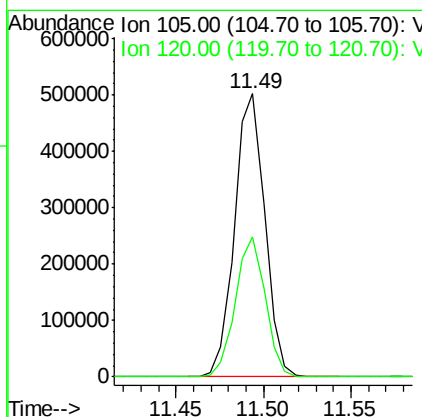
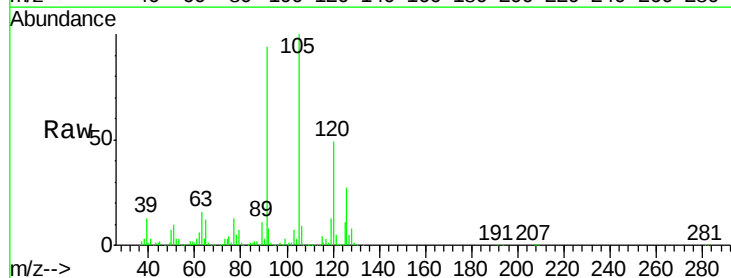
Manual Integrations
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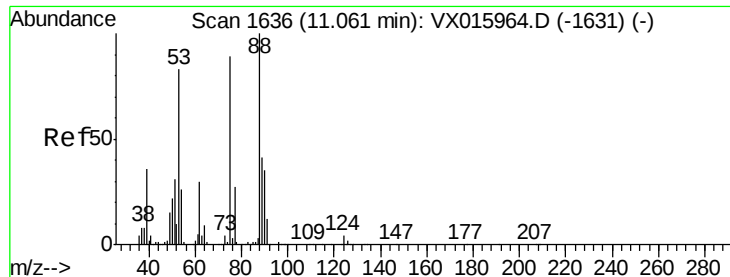
MMDadoda
 4/30/2020 3:00:03 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 54.230 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX015967.D
 Acq: 28 Apr 2020 17:17

Tgt Ion: 105 Resp: 602797
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 54.036 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX042820

Tot Ion: 75 Resp: 93069

Ion Ratio Lower Upper

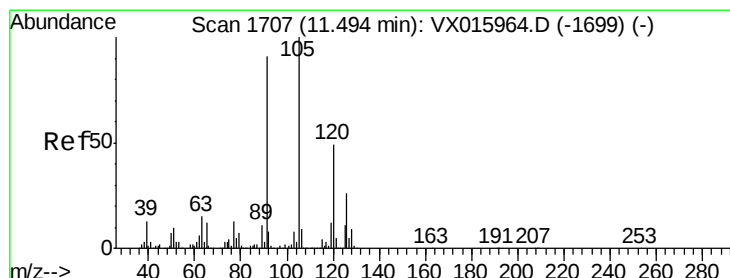
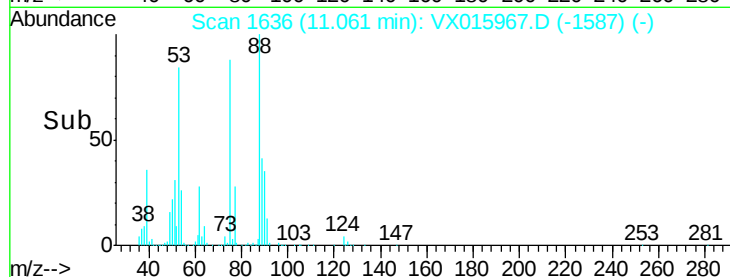
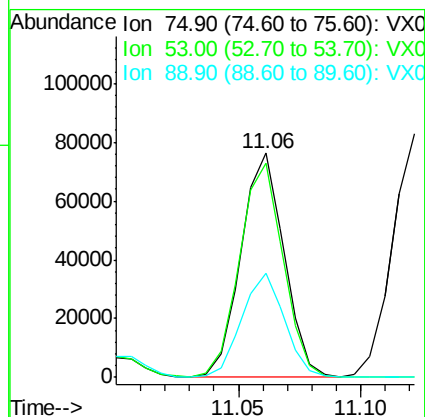
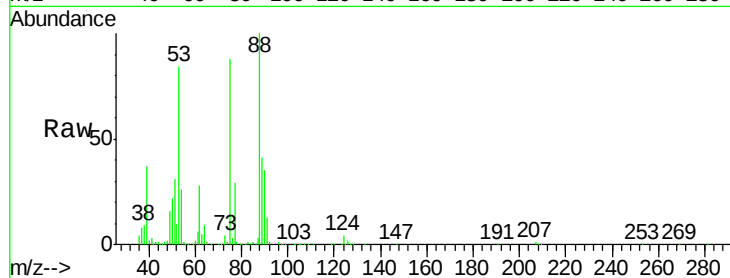
75 100

53 96.9 78.3 117.5

89 46.3 37.2 55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.591 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX015967.D

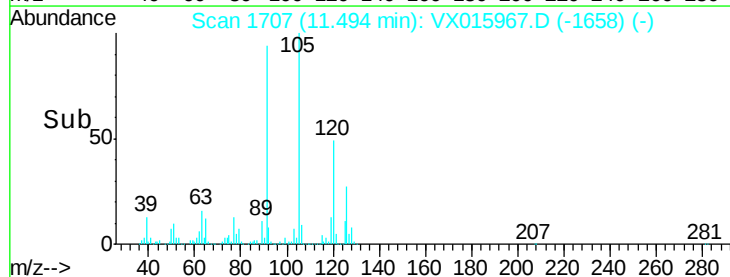
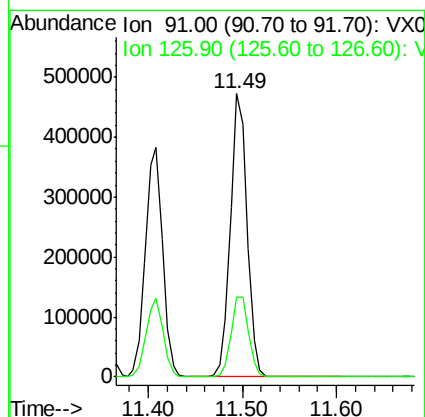
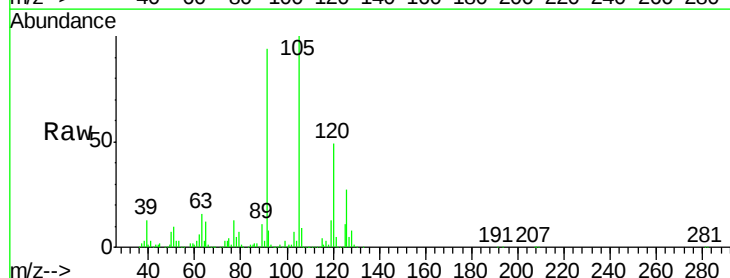
Acq: 28 Apr 2020 17:17

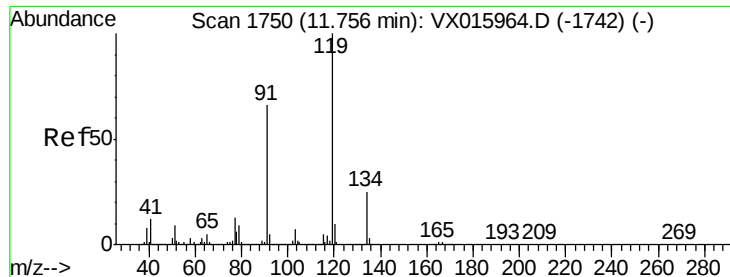
Tgt Ion: 91 Resp: 579694

Ion Ratio Lower Upper

91 100

126 29.8 14.8 44.3





#83

tert-Butylbenzene

Concen: 54.713 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Instrument :

MSVOA_X

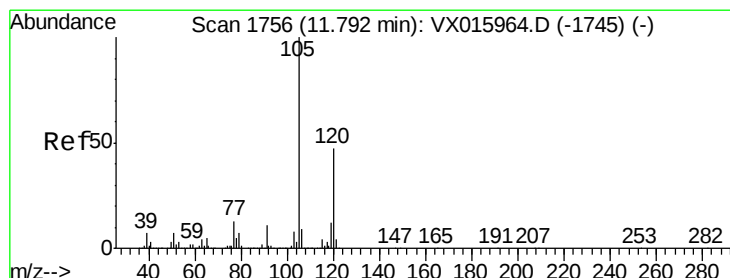
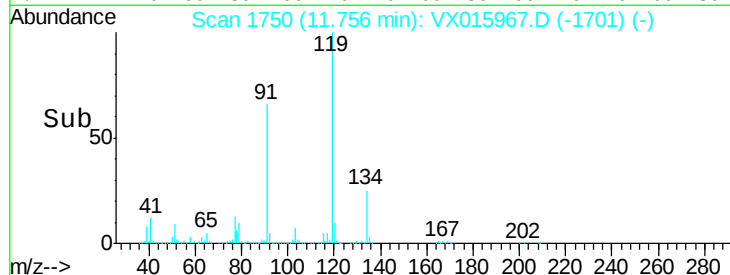
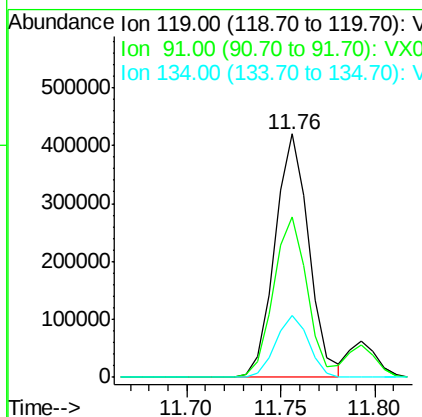
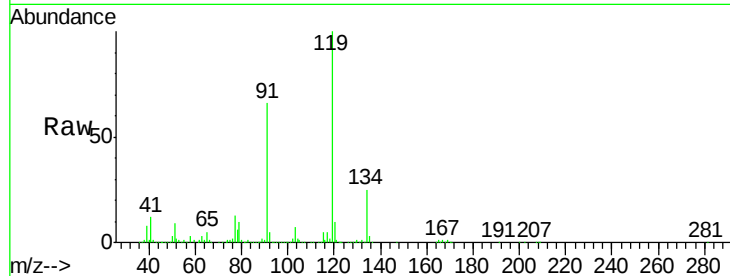
ClientSampleId :

ICVVX042820

Tot Ion:	119	Resp:	524379
Ion Ratio	Lower	Upper	
119	100		
91	66.4	33.5	100.4
134	24.9	12.4	37.2

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 54.259 ug/l

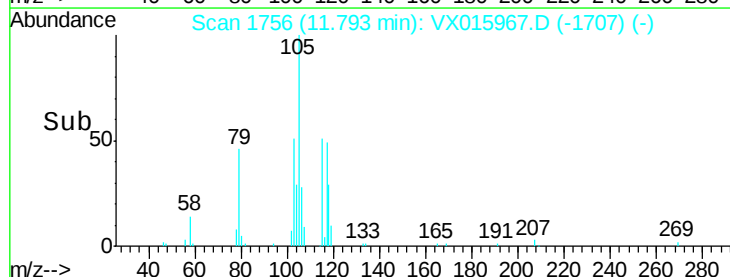
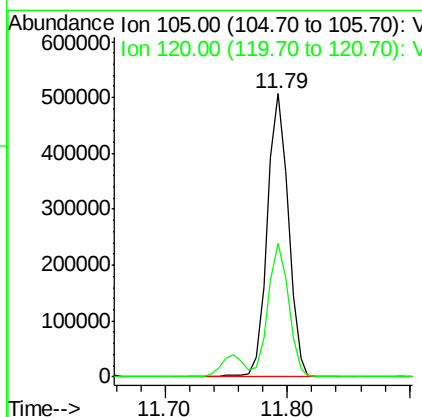
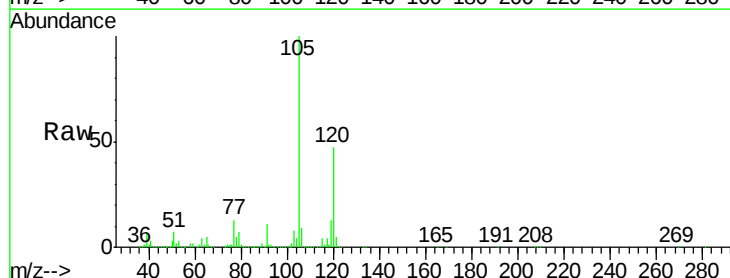
RT: 11.79 min Scan# 1756

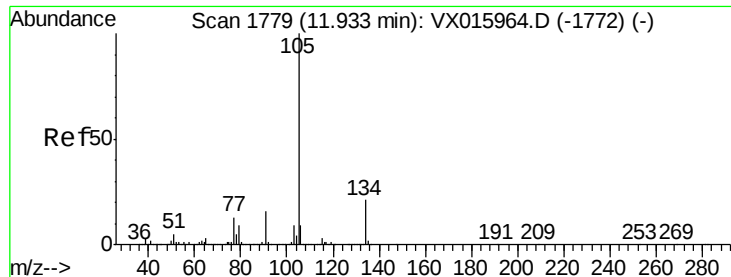
Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Tgt Ion:	105	Resp:	606996
Ion Ratio	Lower	Upper	
105	100		
120	46.1	22.9	68.8





#85

sec-Butylbenzene

Concen: 54.214 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Instrument :

MSVOA_X

ClientSampleId :

ICVX042820

Tot Ion:105 Resp: 700047

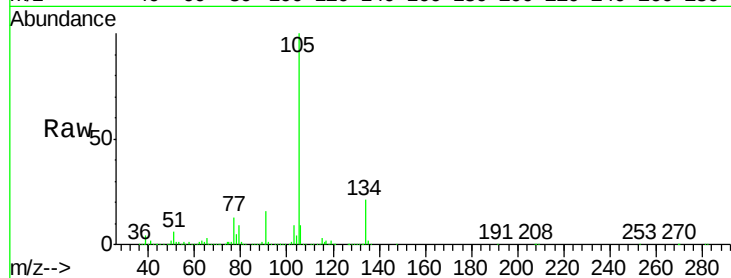
Ion Ratio Lower Upper

105 100

134 20.4 10.4 31.1

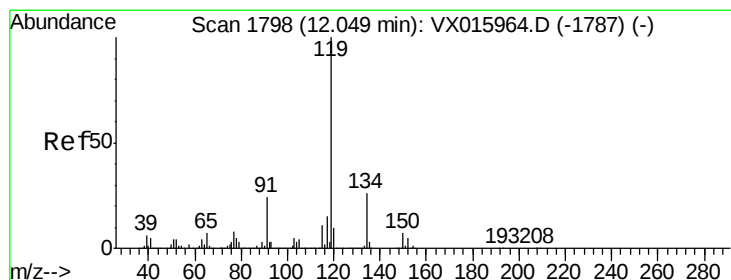
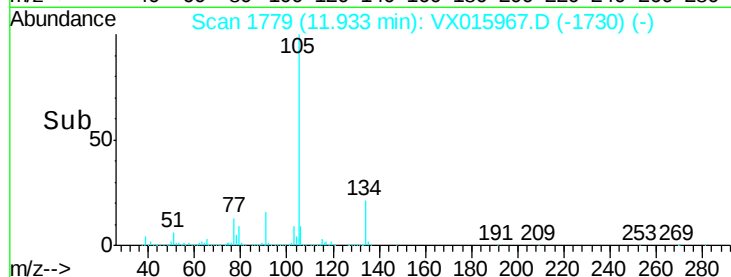
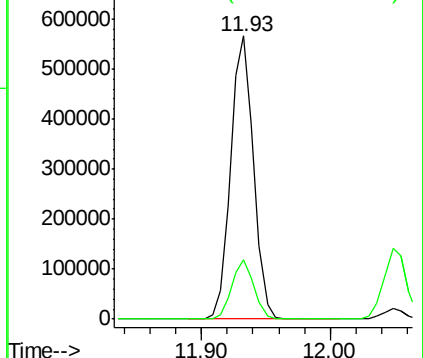
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.029 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

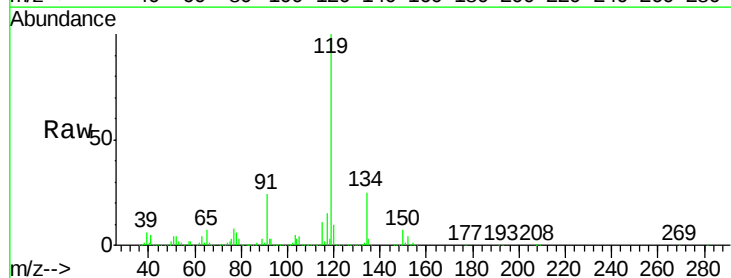
Tgt Ion:119 Resp: 653479

Ion Ratio Lower Upper

119 100

134 26.2 13.0 39.0

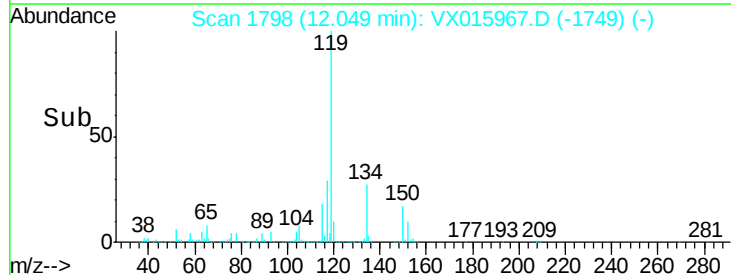
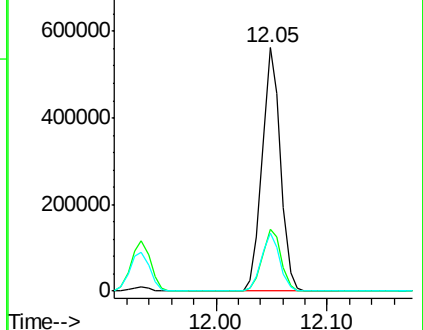
91 23.7 11.9 35.9

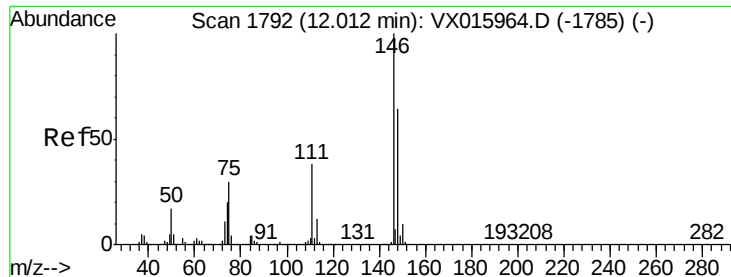


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





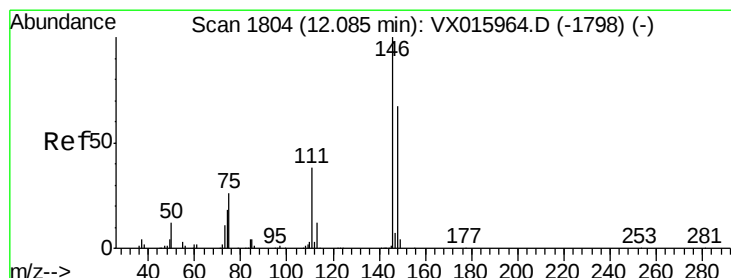
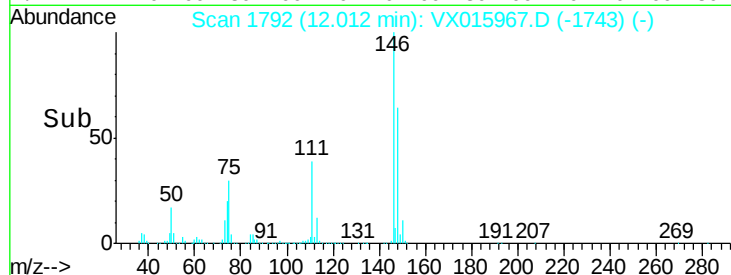
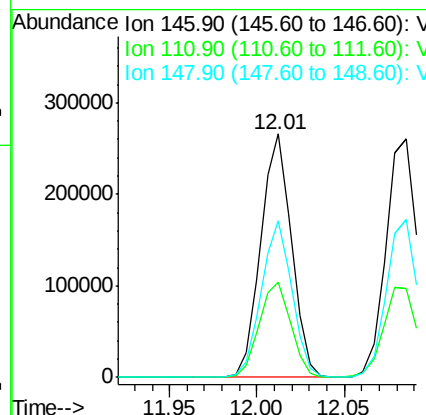
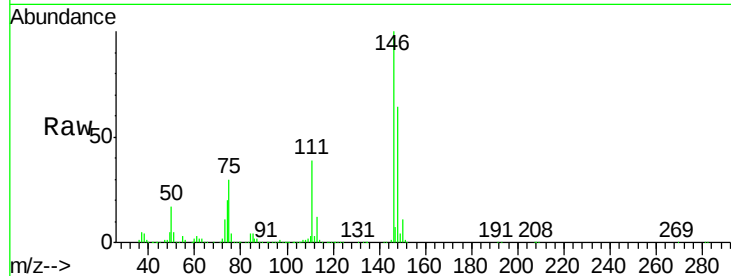
#87
 1,3-Dichlorobenzene
 Concen: 52.546 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX015967.D
 Acq: 28 Apr 2020 17:17

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX042820

Tot Ion	Ratio	Resp	Lower	Upper
146	100	325471		
111	40.2	19.6	58.8	
148	63.9	32.0	96.0	

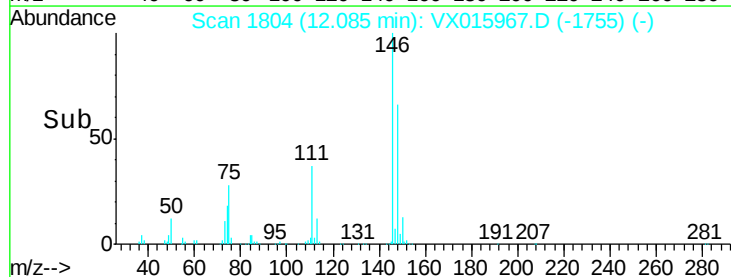
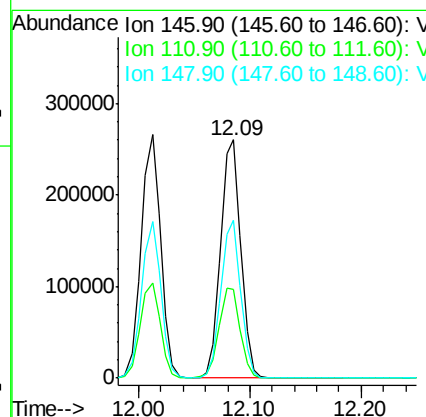
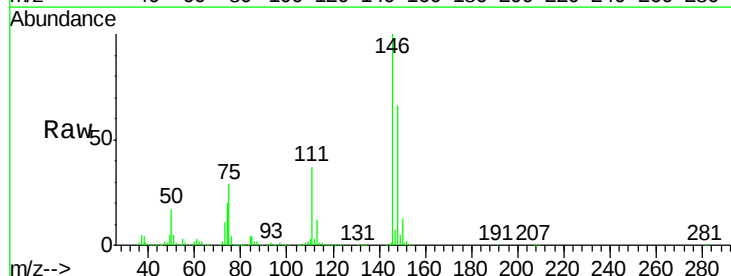
Manual Integrations
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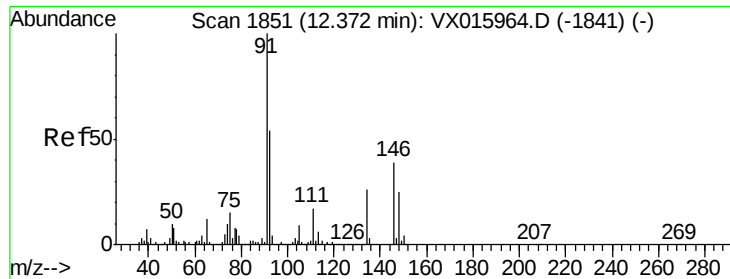
MMDadoda
 4/30/2020 3:00:03 PM



#88
 1,4-Dichlorobenzene
 Concen: 52.216 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VX015967.D
 Acq: 28 Apr 2020 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	326873		
111	39.3	19.7	59.0	
148	64.8	32.8	98.4	





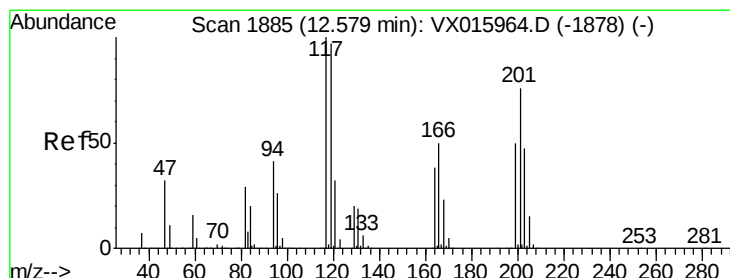
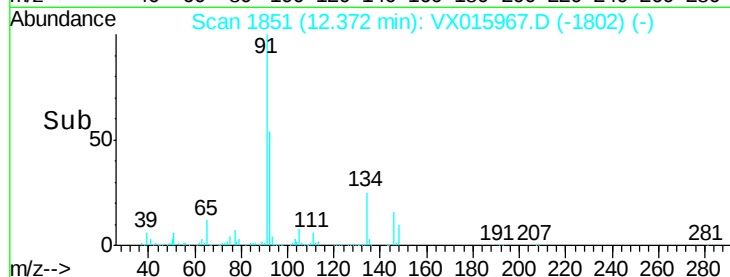
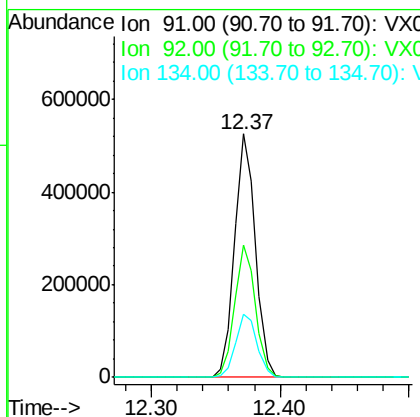
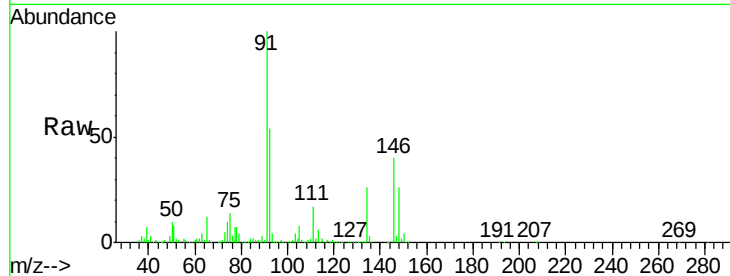
#89
n-Butylbenzene
Concen: 54.486 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX015967.D
Acq: 28 Apr 2020 17:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX042820

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.1	81.3
134	26.5	13.3	39.8

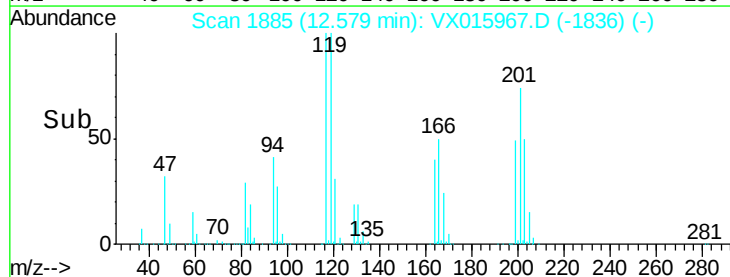
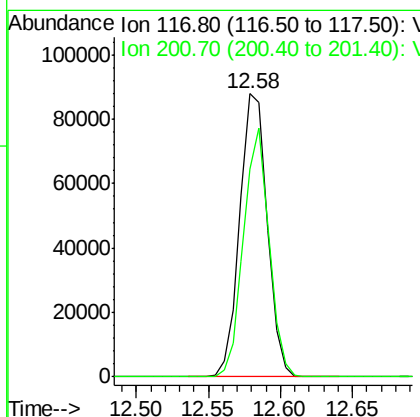
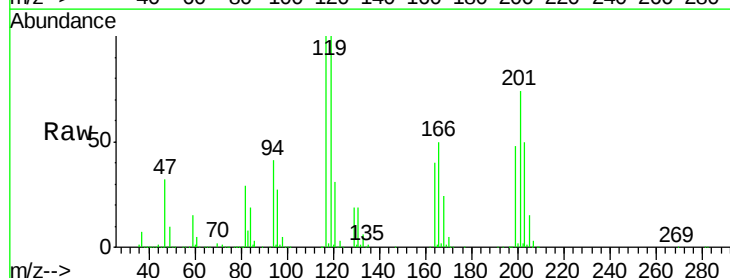
Manual Integrations
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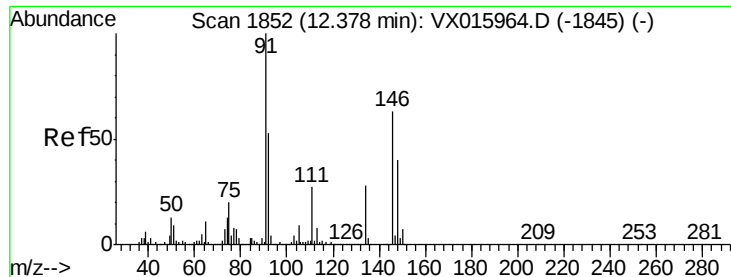
MMDadoda
4/30/2020 3:00:03 PM



#90
Hexachloroethane
Concen: 54.699 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX015967.D
Acq: 28 Apr 2020 17:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.3	40.3	120.8





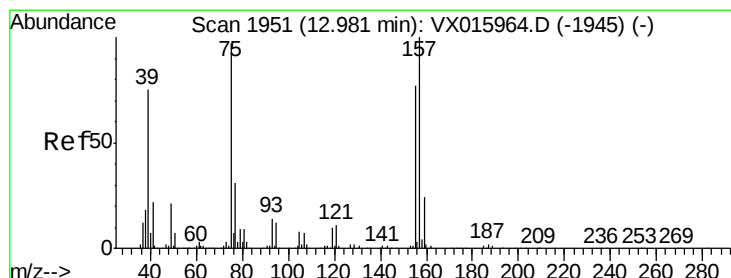
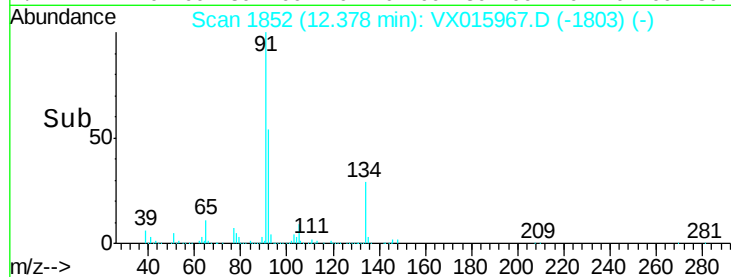
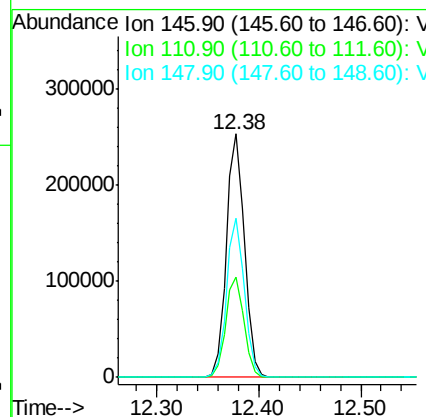
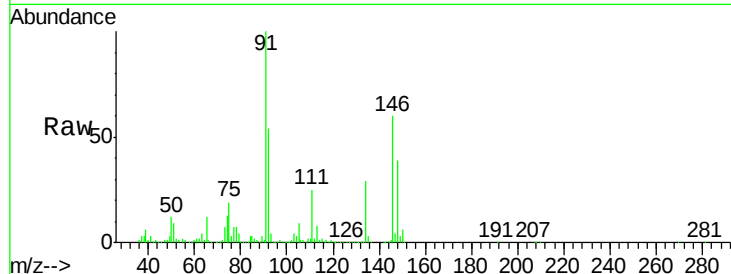
#91
 1,2-Dichlorobenzene
 Concen: 52.570 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX015967.D
 Acq: 28 Apr 2020 17:17

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX042820

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.8	21.1	63.3	
148	64.5	32.3	96.9	

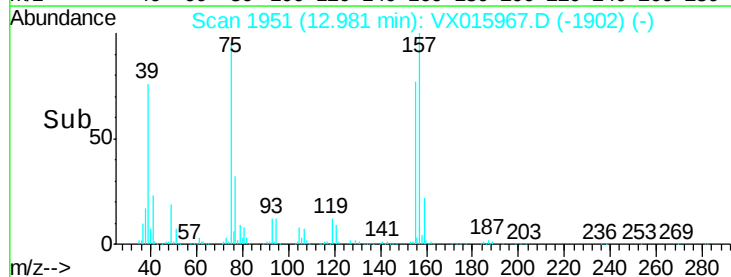
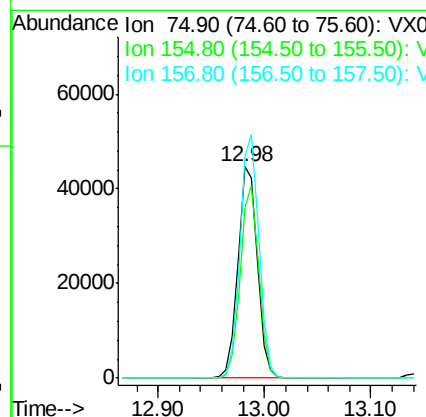
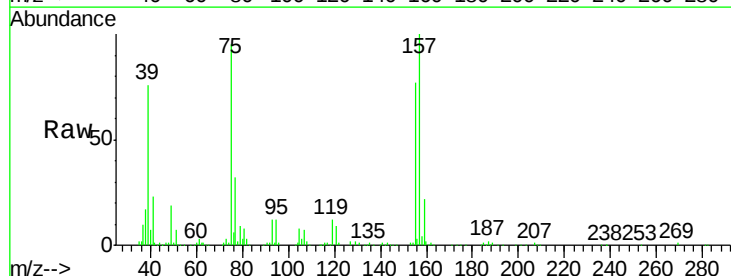
Manual Integrations
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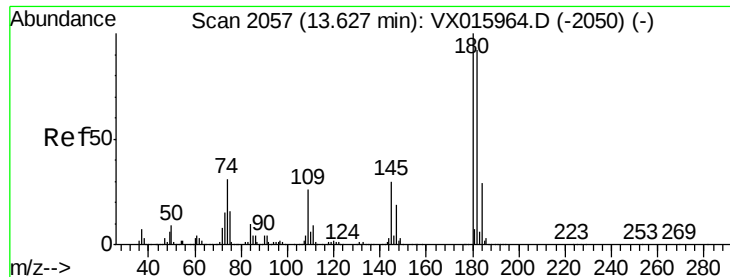
MMDadoda
 4/30/2020 3:00:03 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.806 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX015967.D
 Acq: 28 Apr 2020 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	86.9	42.5	127.6	
157	111.4	56.0	168.2	





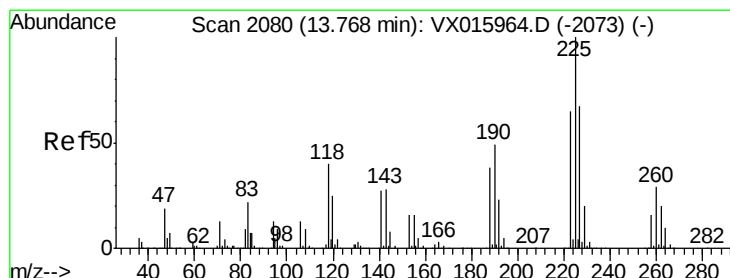
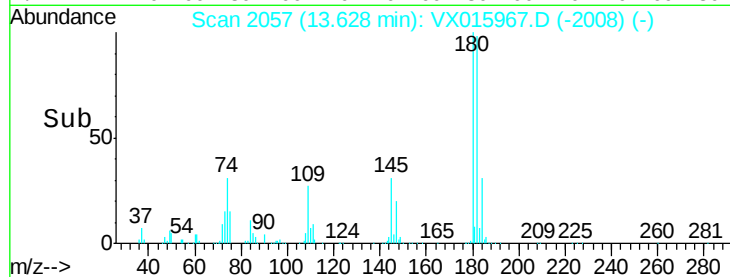
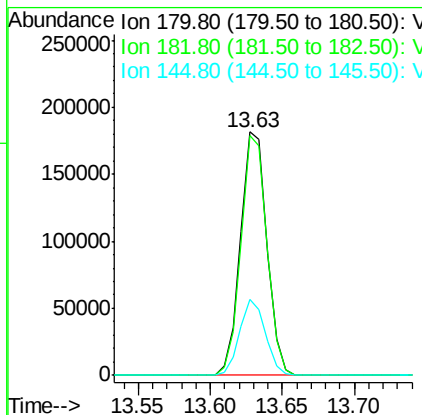
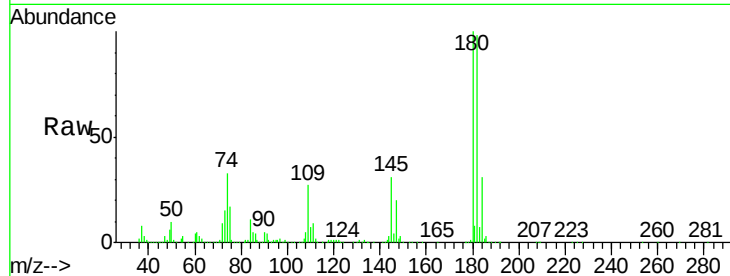
#93
 1,2,4-Trichlorobenzene
 Concen: 51.856 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX015967.D
 Acq: 28 Apr 2020 17:17

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX042820

Tot Ion	Ratio	Resp	Lower	Upper
180	100	230531		
182	96.8	46.9	140.6	
145	30.4	14.7	44.1	

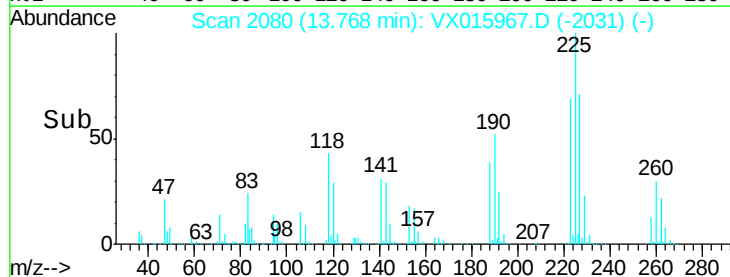
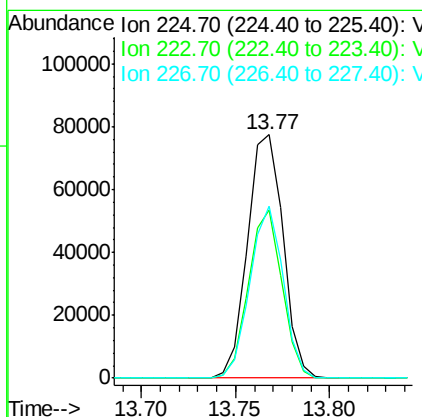
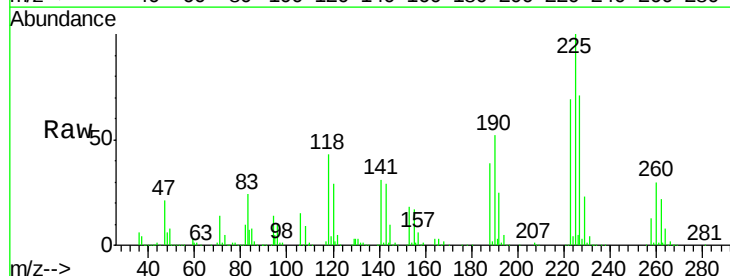
Manual Integrations
 APPROVED

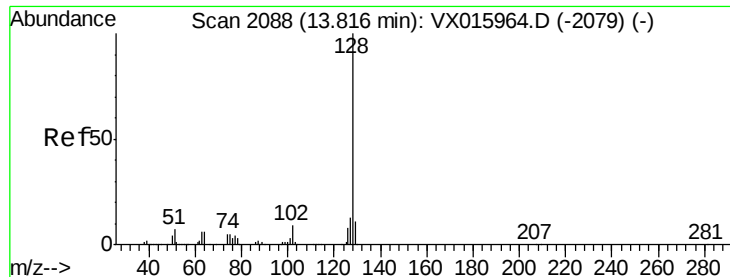
MMDadoda
 4/30/2020 3:00:03 PM



#94
 Hexachlorobutadiene
 Concen: 51.065 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX015967.D
 Acq: 28 Apr 2020 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	101428		
223	65.2	32.0	96.0	
227	66.1	33.0	99.0	





#95

Naphthalene

Concen: 54.699 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Instrument :

MSVOA_X

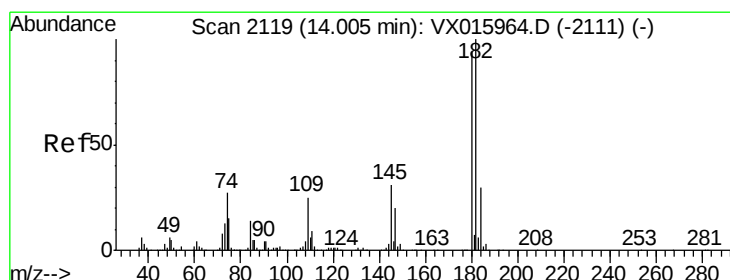
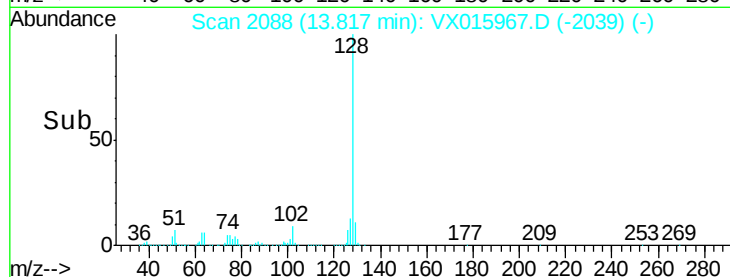
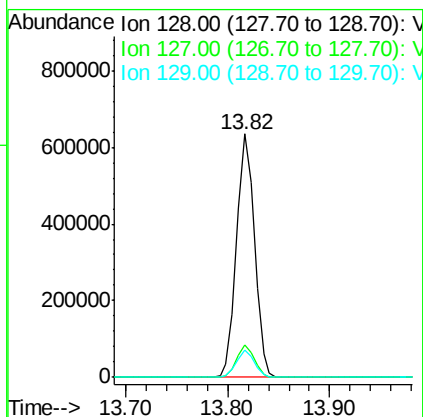
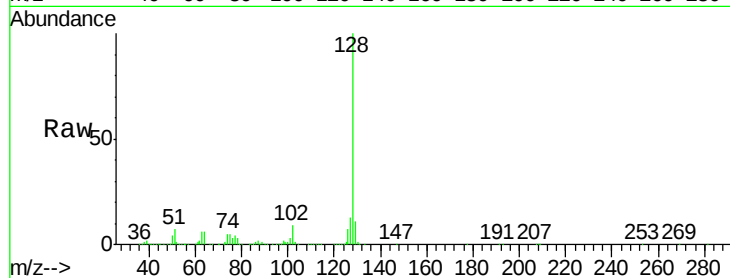
ClientSampleId :

ICVVX042820

Tot Ion:	128	Resp:	766950
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

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4/30/2020 3:00:03 PM



#96

1,2,3-Trichlorobenzene

Concen: 53.158 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VX015967.D

Acq: 28 Apr 2020 17:17

Tgt Ion:	180	Resp:	227551
Ion Ratio	Lower	Upper	
180	100		
182	94.2	48.7	146.1
145	32.1	16.1	48.3

