

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX043020\
 Data File : VX015994.D
 Acq On : 30 Apr 2020 14:41
 Operator : JC/SP
 Sample : VX0430WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0430WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 3:10:20 PM

Quant Time: May 01 08:08:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:42:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	50490	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	283083	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	253390	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	116961	30.14	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.47%
60) 4-Bromofluorobenzene	11.12	95	126750	29.83	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.43%
63) Toluene-d8	8.70	98	334253	30.75	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	71847	20.659	ug/l 99
3) Chloromethane	1.31	50	67859	19.915	ug/l 98
4) Vinyl Chloride	1.39	62	74420	19.223	ug/l 100
5) Bromomethane	1.63	94	54273	22.872	ug/l 100
6) Chloroethane	1.71	64	49250	19.406	ug/l 96
7) Trichlorofluoromethane	1.92	101	110906	20.001	ug/l 100
8) Diethyl Ether	2.17	74	43499	19.654	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	56993	19.903	ug/l 97
10) 1,1-Dichloroethene	2.36	96	55141	19.086	ug/l 98
11) Methyl Iodide	2.49	142	69864	17.713	ug/l 99
12) Methyl Acetate	2.75	43	98837	19.594	ug/l 98
13) Acrolein	2.27	56	32762	81.018	ug/l 98
14) Acrylonitrile	3.11	53	175549	94.217	ug/l 99
15) Acetone	2.42	58	46339	93.974	ug/l 99
16) Carbon Disulfide	2.55	76	168656	19.189	ug/l 99
17) Allyl chloride	2.71	41	102506	19.126	ug/l 98
18) Methylene Chloride	2.83	84	61014	18.852	ug/l 99
19) trans-1,2-Dichloroethene	3.14	96	60980	19.298	ug/l 97
20) Diisopropyl ether	3.82	45	196155	18.982	ug/l 98
21) 1,1-Dichloroethane	3.67	63	110084	19.105	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	68672	19.150	ug/l 98
23) tert-Butyl Alcohol	3.01	59	86706	95.065	ug/l 100
24) Methyl tert-Butyl Ether	3.17	73	199215	19.201	ug/l 99
25) Chloroform	5.18	83	110632	18.905	ug/l 95
26) Cyclohexane	5.55	56	100350	19.045	ug/l # 98
29) 1,1-Dichloropropene	5.77	75	84439	18.966	ug/l 100
30) 2-Butanone	4.63	43	250229	94.322	ug/l 99
31) 2,2-Dichloropropane	4.56	77	103842	19.380	ug/l 99
32) 1,1,1-Trichloroethane	5.46	97	102623	19.001	ug/l 99
33) Carbon Tetrachloride	5.75	117	91759	19.081	ug/l 97
34) Benzene	6.11	78	245894	18.909	ug/l 99
35) Methacrylonitrile	5.00	41	52887	18.772	ug/l 96
36) 1,2-Dichloroethane	6.16	62	93705	18.868	ug/l 100
37) Trichloroethene	7.19	130	89428	19.331	ug/l 99
38) Methylcyclohexane	7.44	83	104359	19.180	ug/l 99
39) 1,2-Dichloropropane	7.49	63	62406	18.695	ug/l 97
40) Dibromomethane	7.64	93	43572	18.797	ug/l 99

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Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 3:10:20 PM

Quant Time: May 01 08:08:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:42:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	89087	18.643	ug/l	99
42) Vinyl Acetate	3.78	43	822539	93.717	ug/l	100
43) Ethyl Acetate	4.79	43	99143	18.945	ug/l	99
44) Isopropyl Acetate	6.41	43	161169	18.979	ug/l	99
45) 1,4-Dioxane	7.71	88	33907	377.996	ug/l	98
46) Methyl methacrylate	7.74	41	74351	18.468	ug/l	99
47) n-amyl Acetate	10.88	43	135881	18.299	ug/l	100
48) t-1,3-Dichloropropene	9.02	75	102502	18.472	ug/l	97
49) cis-1,3-Dichloropropene	8.41	75	107991	18.836	ug/l	99
50) 1,1,2-Trichloroethane	9.20	97	60806	18.615	ug/l	97
51) Ethyl methacrylate	9.16	69	98068	18.181	ug/l	100
52) 1,3-Dichloropropane	9.35	76	107141	18.974	ug/l	99
53) Dibromochloromethane	9.57	129	67216	18.087	ug/l	99
54) 1,2-Dibromoethane	9.65	107	66080	18.407	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	244781	83.416	ug/l	99
56) Bromoform	10.84	173	48617	17.363	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	488581	97.777	ug/l	100
59) 2-Hexanone	9.47	43	372495	96.508	ug/l	100
61) Tetrachloroethene	9.32	164	101665	20.283	ug/l	99
62) Toluene	8.77	91	262596	19.398	ug/l	99
64) Chlorobenzene	10.12	112	164596	19.096	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.21	131	62924	19.230	ug/l	98
66) Ethyl Benzene	10.24	91	294804	19.125	ug/l	97
67) m/p-Xylenes	10.34	106	223140	37.999	ug/l	99
68) o-Xylene	10.68	106	107249	18.939	ug/l	98
69) Styrene	10.70	104	179214	18.491	ug/l	99
70) Isopropylbenzene	11.00	105	291752	19.083	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	48525	17.073	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	89469m	19.436	ug/l	
73) Bromobenzene	11.24	156	71095	18.453	ug/l	98
74) n-propylbenzene	11.34	91	336720	18.961	ug/l	100
75) 2-Chlorotoluene	11.40	91	198489	19.021	ug/l	100
76) 1,3,5-Trimethylbenzene	11.49	105	245198	18.894	ug/l	99
77) t-1,4-Dichloro-2-butene	11.06	75	36214	18.296	ug/l	99
78) 4-Chlorotoluene	11.49	91	231584	18.748	ug/l	99
79) tert-butylbenzene	11.76	119	209130	18.868	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	245622	18.944	ug/l	100
81) sec-Butylbenzene	11.93	105	284432	19.027	ug/l	99
82) p-Isopropyltoluene	12.05	119	260694	18.818	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	130593	18.801	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	131047	18.987	ug/l	99
85) n-Butylbenzene	12.37	91	233884	18.483	ug/l	99
86) Hexachloroethane	12.58	117	45122	18.502	ug/l	98
87) 1,2-Dichlorobenzene	12.38	146	125871	18.737	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.98	75	21740	18.280	ug/l	99
89) 1,2,4-Trichlorobenzene	13.63	180	90472	18.284	ug/l	98
90) Hexachlorobutadiene	13.77	225	42045	19.771	ug/l	99
91) Naphthalene	13.82	128	295563	18.762	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	88481	18.613	ug/l	98

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0430WBS01

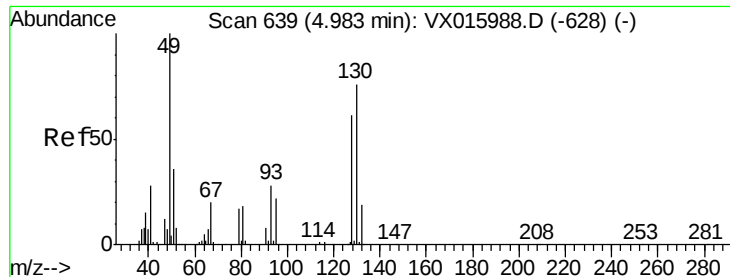
Manual Integrations
APPROVED

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5/4/2020 3:10:20 PM

Quant Time: May 01 08:08:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 30 12:42:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 638

Delta R.T. -0.01 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

Instrument :

MSVOA_X

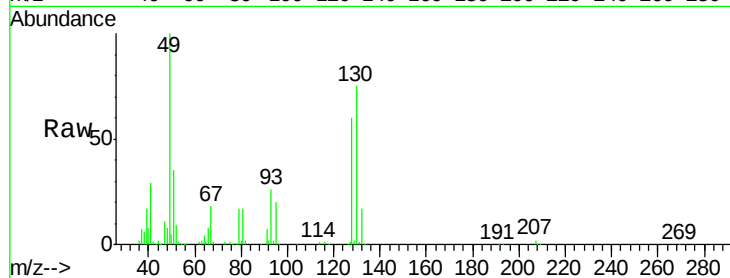
ClientSampleId :

VX0430WBS01

Tot Ion:	128	Resp:	50490
Ion	Ratio	Lower	Upper
128	100		
49	164.3	0.0	418.5
130	126.9	0.0	326.3

Manual Integrations
APPROVED

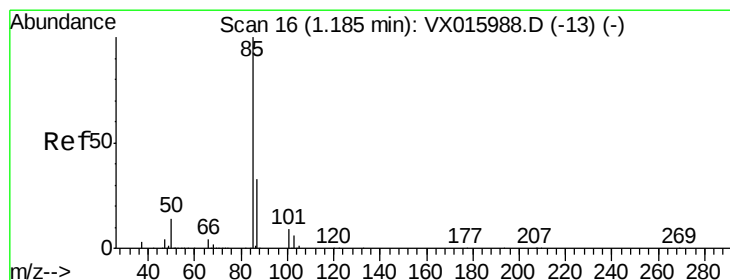
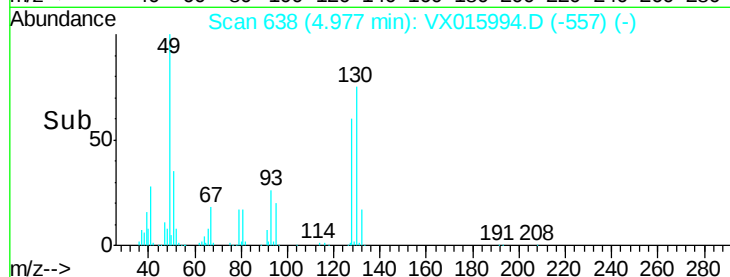
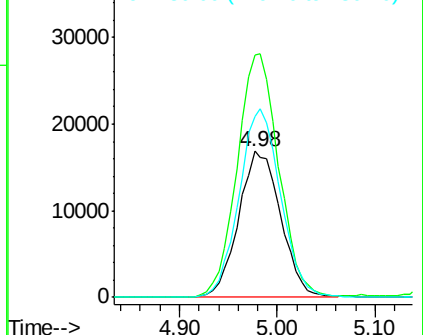
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.659 ug/l

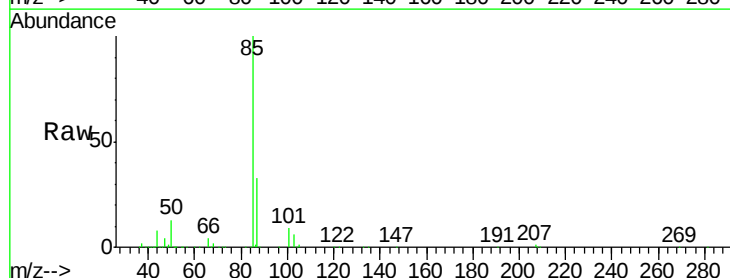
RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX015994.D

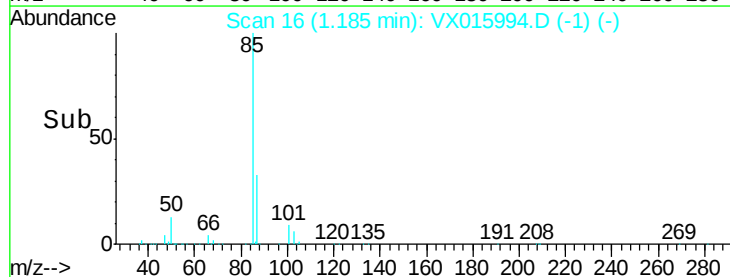
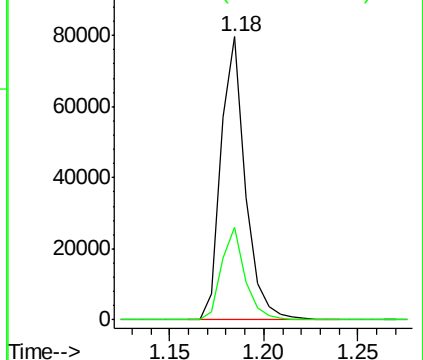
Acq: 30 Apr 2020 14:41

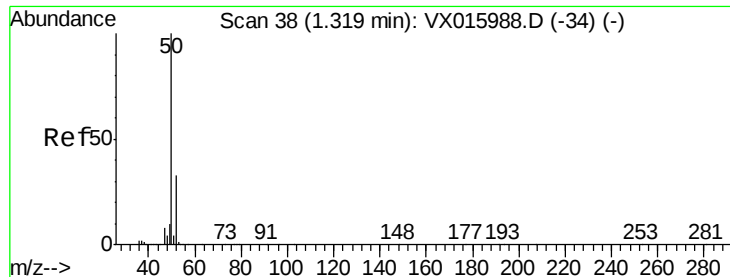
Tgt Ion:	85	Resp:	71847
Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.6	49.7



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 19.915 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0430WBS01

Tot Ion: 50 Resp: 67859

Ion Ratio Lower Upper

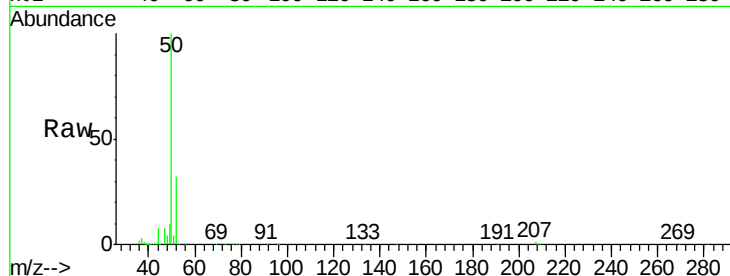
50 100

52 32.0 26.5 39.7

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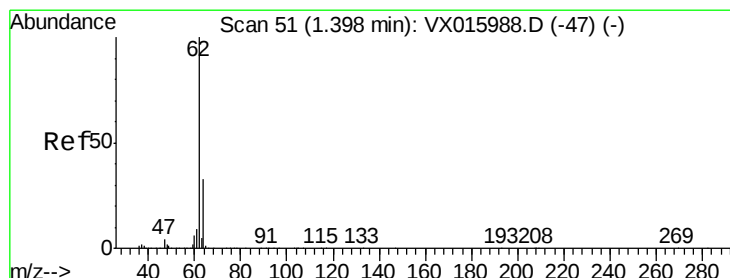
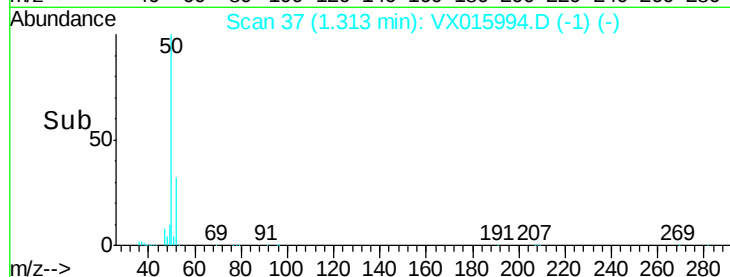
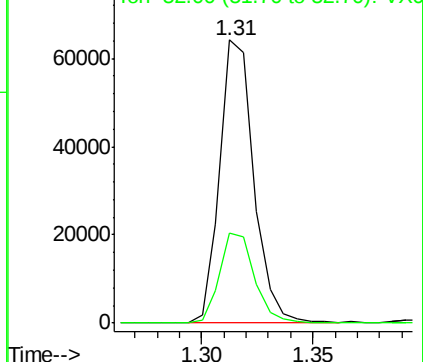
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 19.223 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.01 min

Lab File: VX015994.D

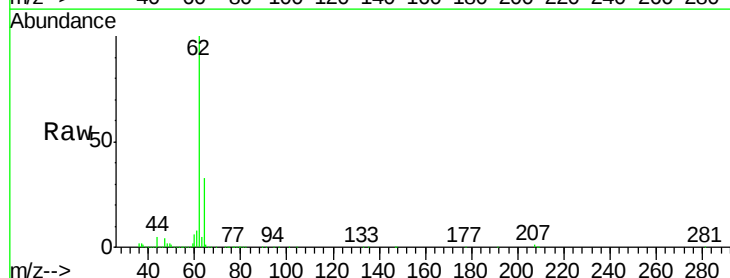
Acq: 30 Apr 2020 14:41

Tgt Ion: 62 Resp: 74420

Ion Ratio Lower Upper

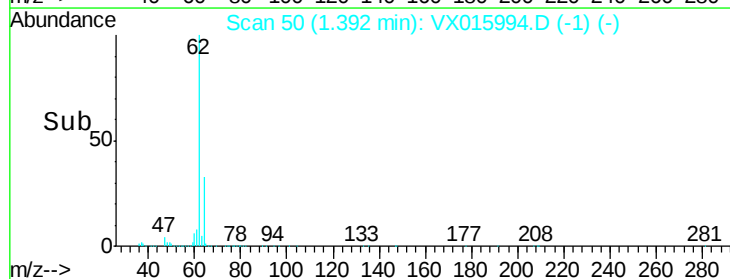
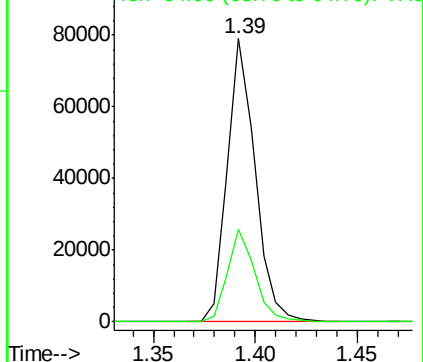
62 100

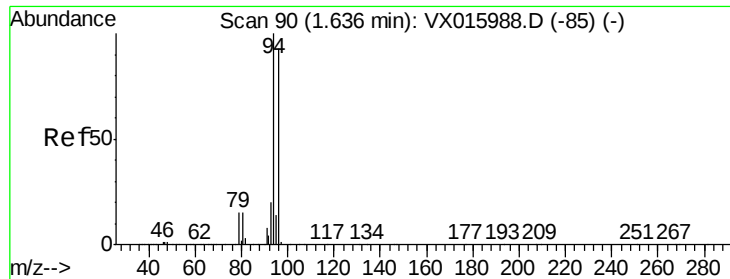
64 32.9 26.3 39.5



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 22.872 ug/l

RT: 1.63 min Scan# 89

Delta R.T. -0.01 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0430WBS01

Tot Ion: 94 Resp: 54273

Ion Ratio Lower Upper

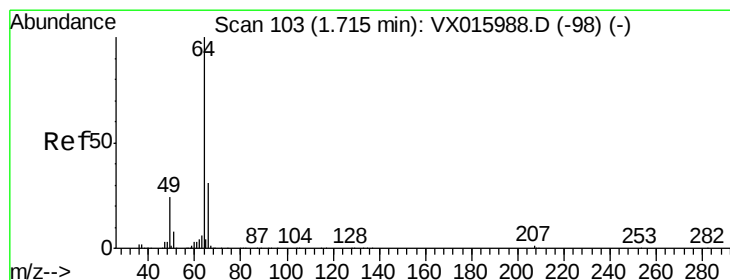
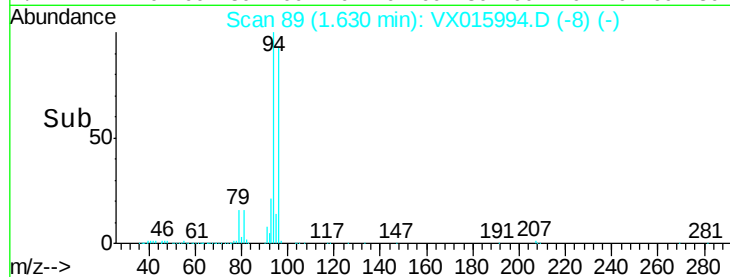
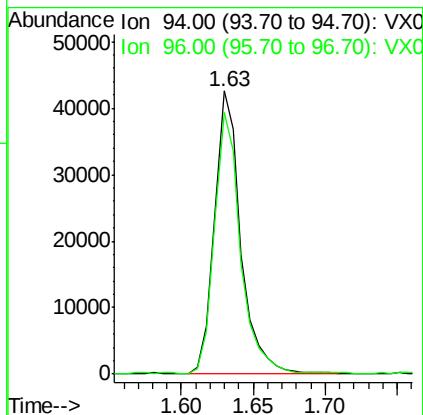
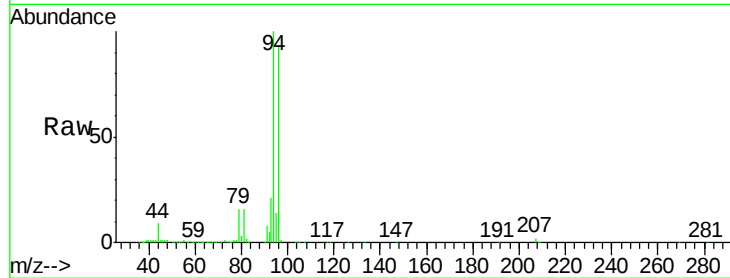
94 100

96 92.5 74.2 111.2

Manual Integrations
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#6

Chloroethane

Concen: 19.406 ug/l

RT: 1.71 min Scan# 103

Delta R.T. -0.00 min

Lab File: VX015994.D

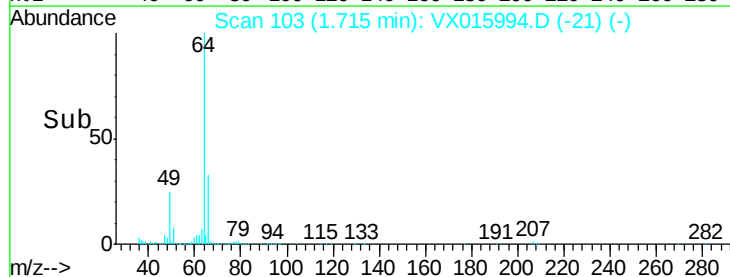
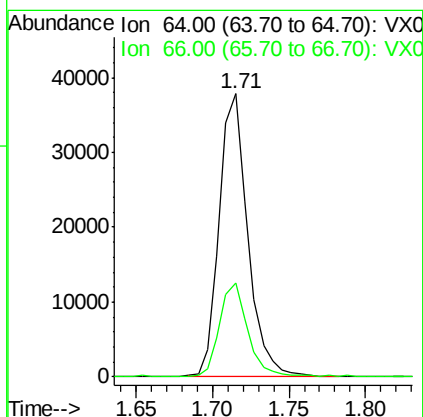
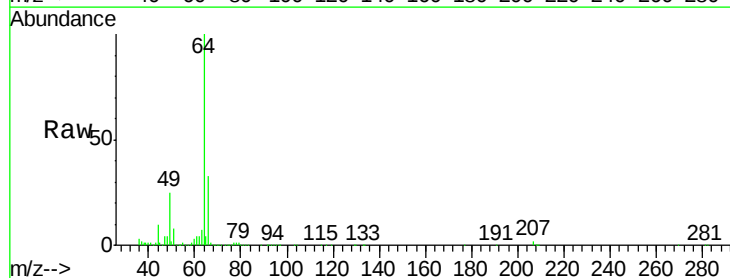
Acq: 30 Apr 2020 14:41

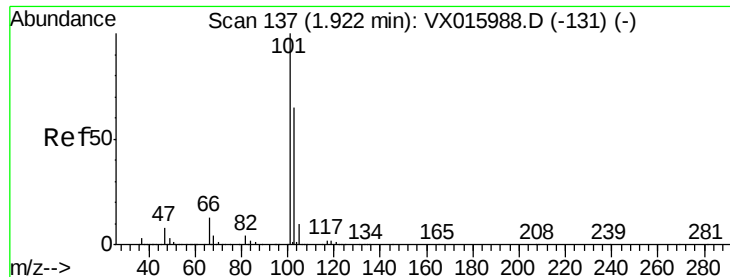
Tgt Ion: 64 Resp: 49250

Ion Ratio Lower Upper

64 100

66 33.2 24.9 37.3





#7

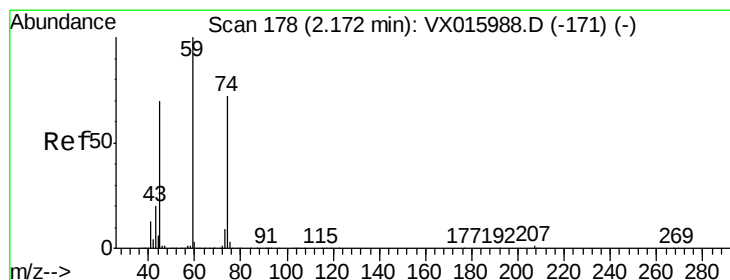
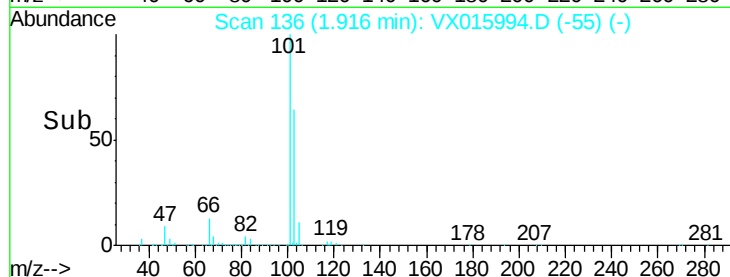
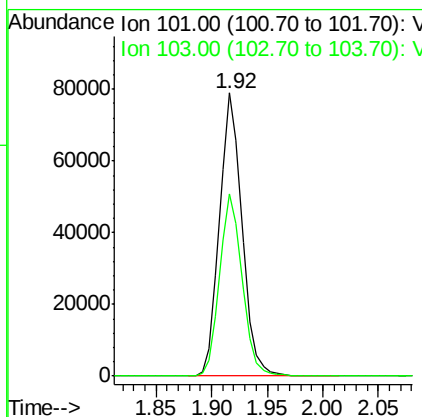
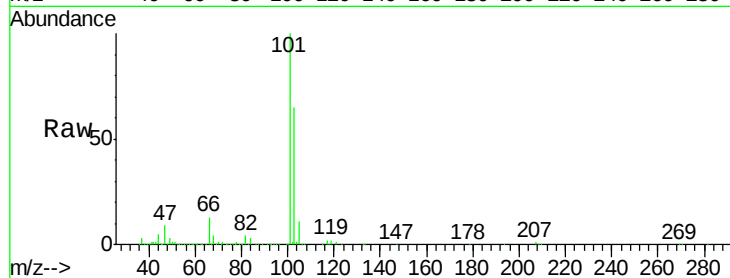
Trichlorofluoromethane
Concen: 20.001 ug/l
RT: 1.92 min Scan# 136
Delta R.T. -0.01 min
Lab File: VX015994.D
Acq: 30 Apr 2020 14:41

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MSVOA_X
ClientSampleId :
VX0430WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.8	77.8

Manual Integrations
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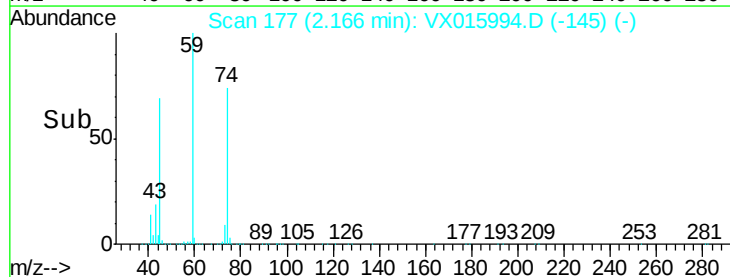
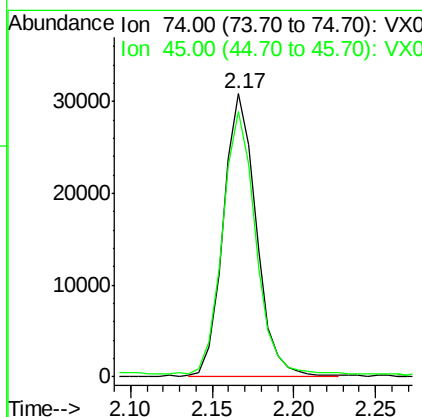
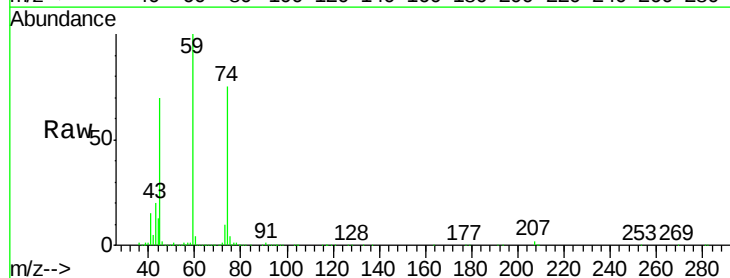
MMDadoda
5/4/2020 3:10:20 PM

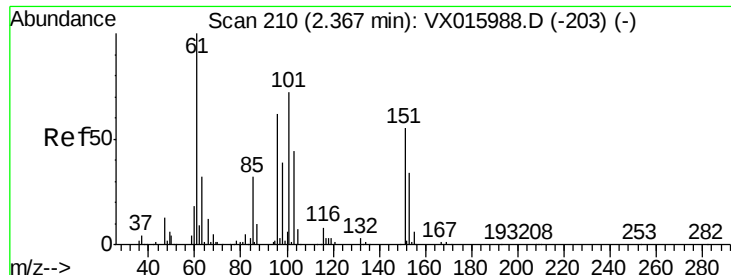


#8

Diethyl Ether
Concen: 19.654 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.01 min
Lab File: VX015994.D
Acq: 30 Apr 2020 14:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.4	19.4	174.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.903 ug/l

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

Instrument :

MSVOA_X

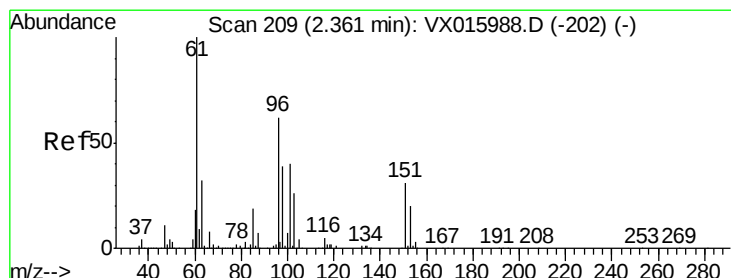
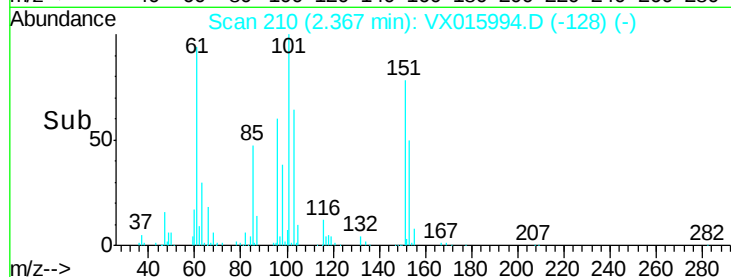
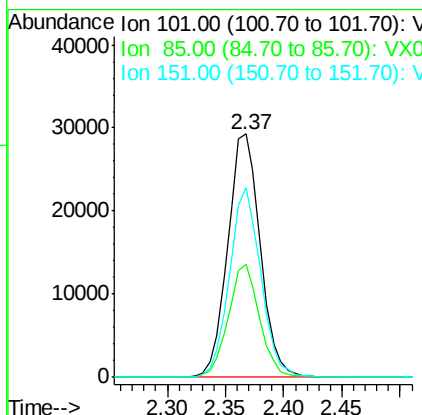
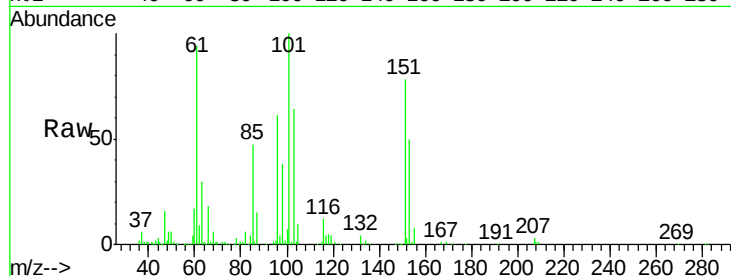
ClientSampleId :

VX0430WBS01

Tot Ion:	101	Resp:	56993
Ion Ratio	Lower	Upper	
101	100		
85	44.4	0.0	90.6
151	74.7	0.0	157.0

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 19.086 ug/l

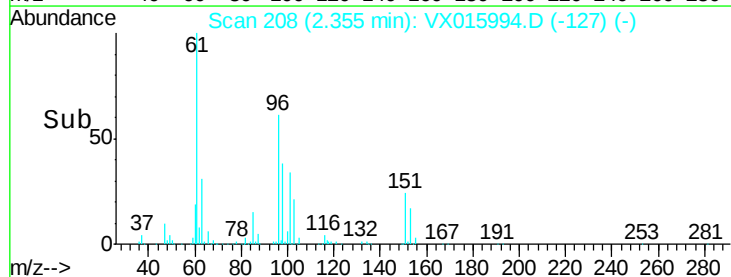
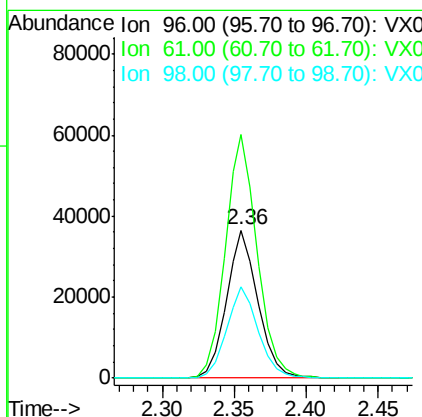
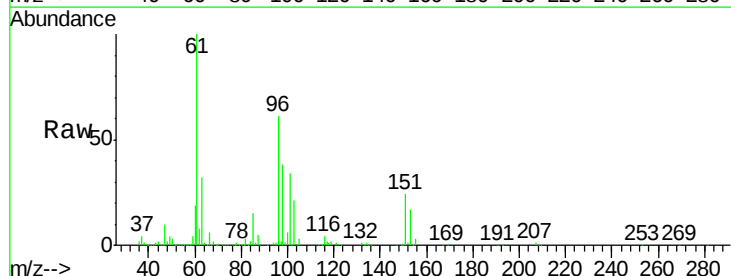
RT: 2.36 min Scan# 208

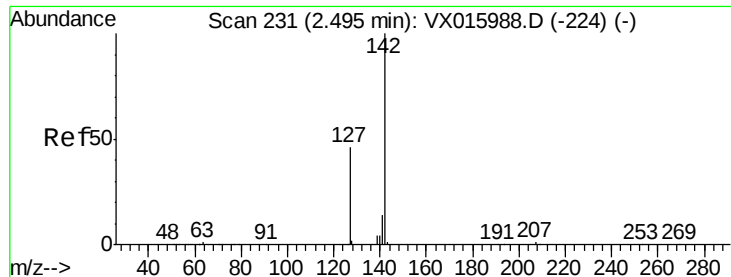
Delta R.T. -0.01 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

Tgt Ion:	96	Resp:	55141
Ion Ratio	Lower	Upper	
96	100		
61	164.8	129.8	194.8
98	62.2	51.1	76.7





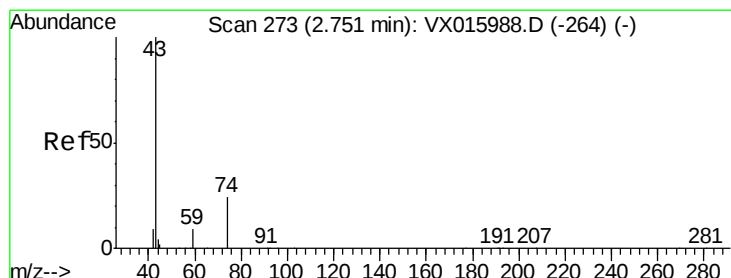
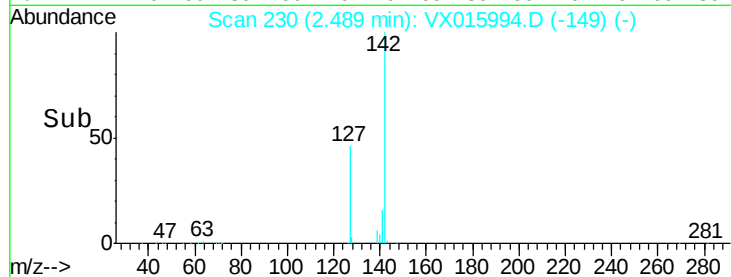
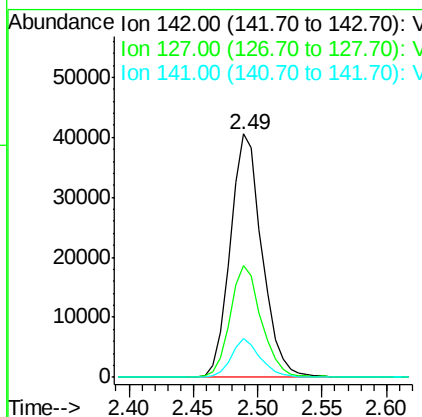
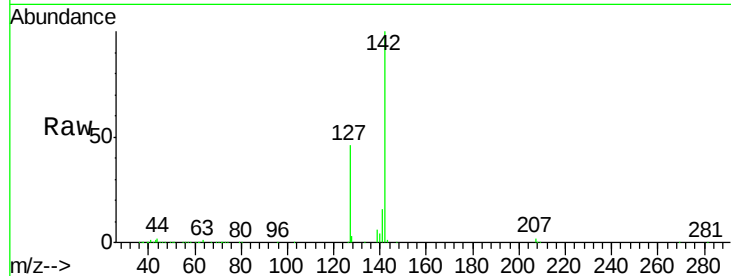
#11
Methvl Iodide
Concen: 17.713 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.01 min
Lab File: VX015994.D
Acq: 30 Apr 2020 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0430WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	45.9	22.8	68.4
141	15.9	7.0	21.1

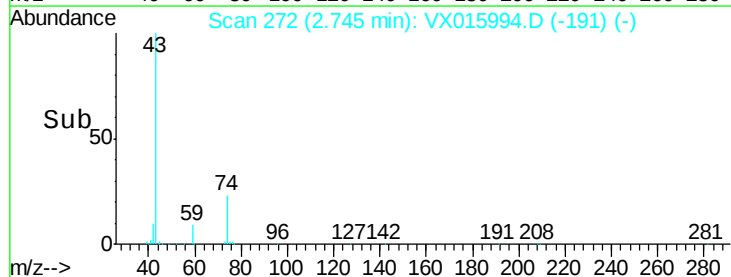
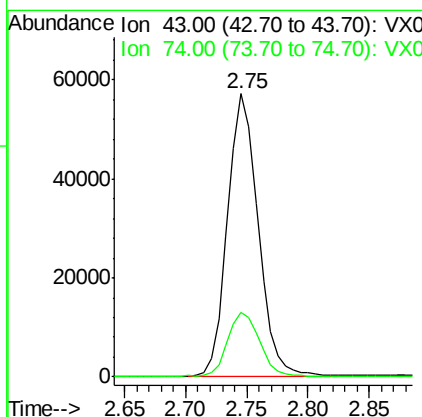
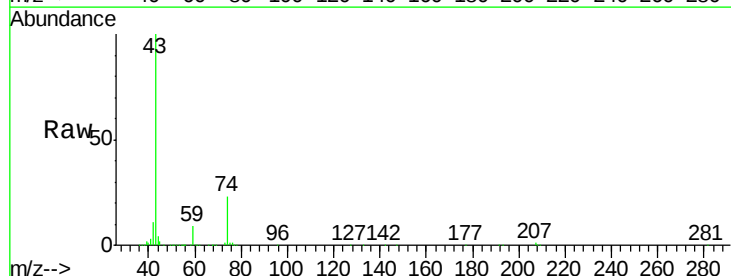
Manual Integrations
APPROVED

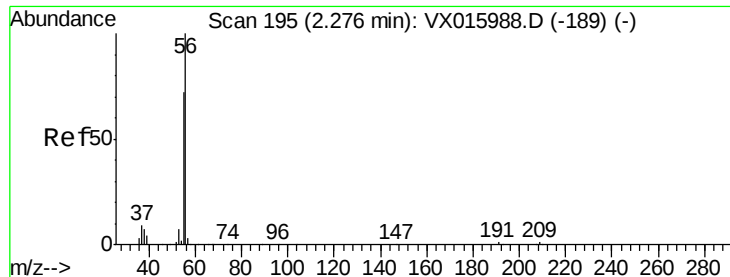
MMDadoda
5/4/2020 3:10:20 PM



#12
Methyl Acetate
Concen: 19.594 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX015994.D
Acq: 30 Apr 2020 14:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	19.0	28.4





#13

Acrolein

Concen: 81.018 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0430WBS01

Tot Ion: 56 Resp: 32762

Ion Ratio Lower Upper

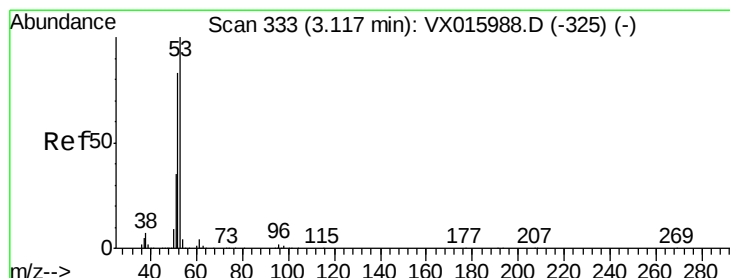
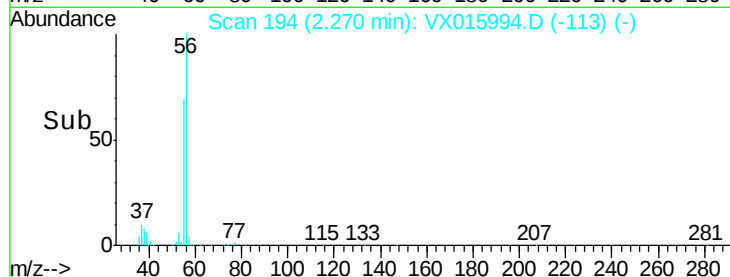
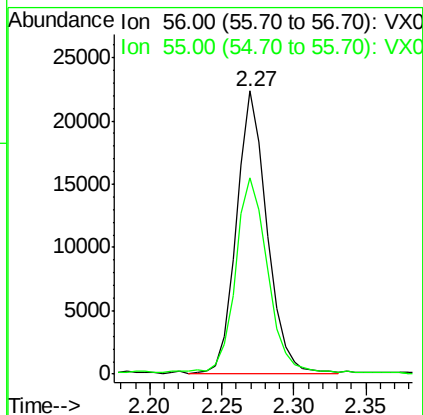
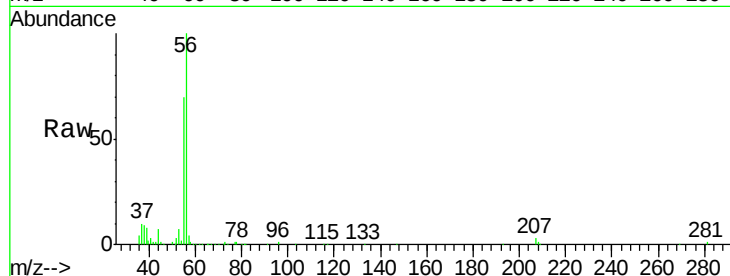
56 100

55 71.9 56.2 84.4

Manual Integrations
APPROVED

MMDadoda

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#14

Acrylonitrile

Concen: 94.217 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

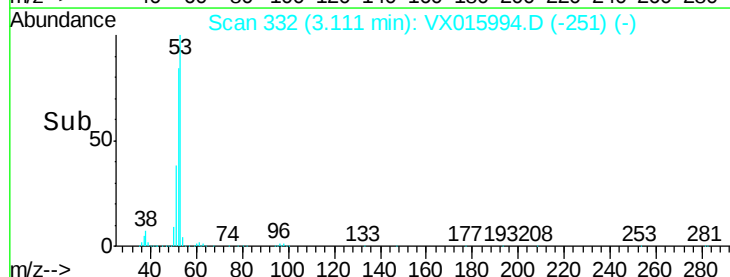
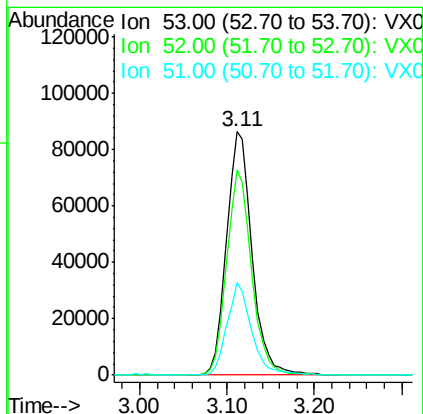
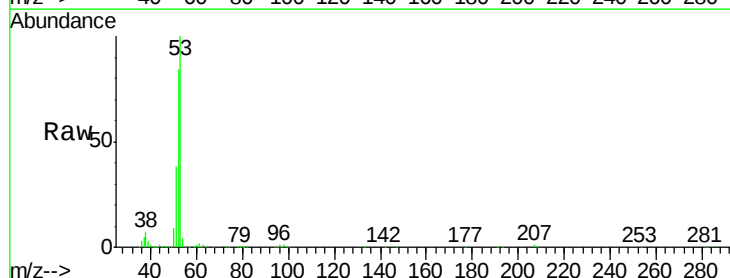
Tgt Ion: 53 Resp: 175549

Ion Ratio Lower Upper

53 100

52 81.5 41.2 123.6

51 36.6 17.8 53.5





#15

Acetone

Concen: 93.974 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

Tot Ion: 58 Resp: 46339

Ion Ratio Lower Upper

58 100

43 328.0 264.2 396.2

Instrument :

MSVOA_X

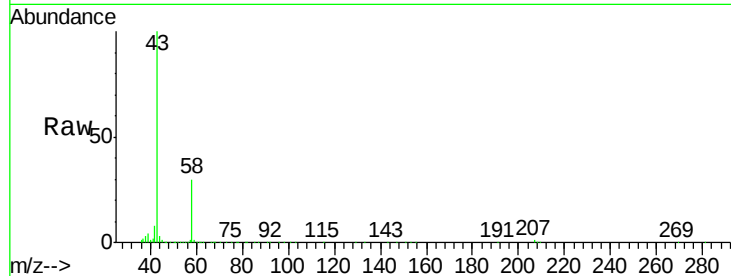
ClientSampleId :

VX0430WBS01

Manual Integrations
APPROVED

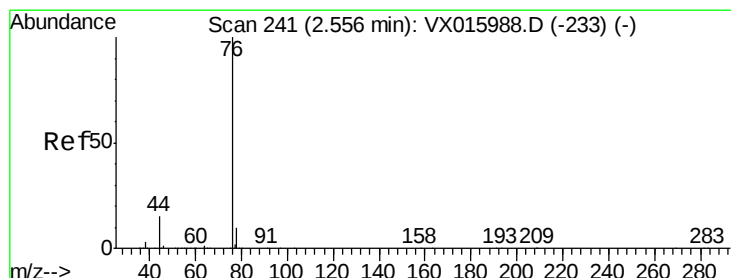
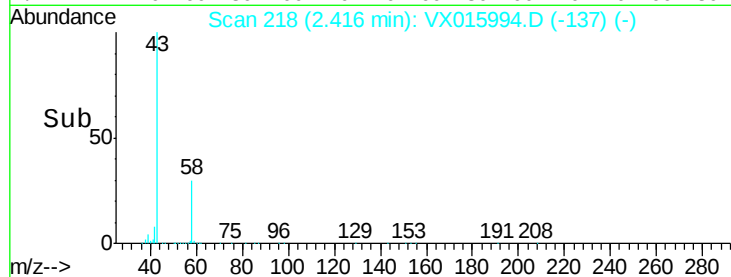
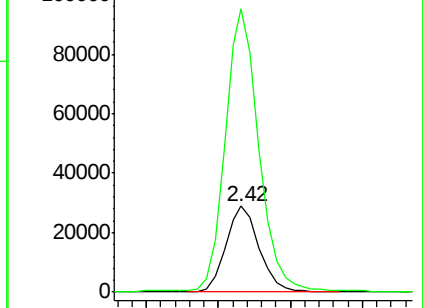
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 19.189 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.01 min

Lab File: VX015994.D

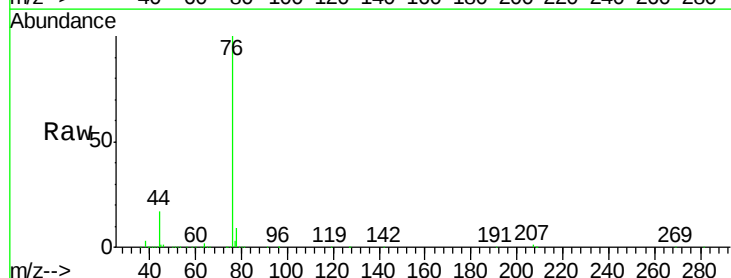
Acq: 30 Apr 2020 14:41

Tgt Ion: 76 Resp: 168656

Ion Ratio Lower Upper

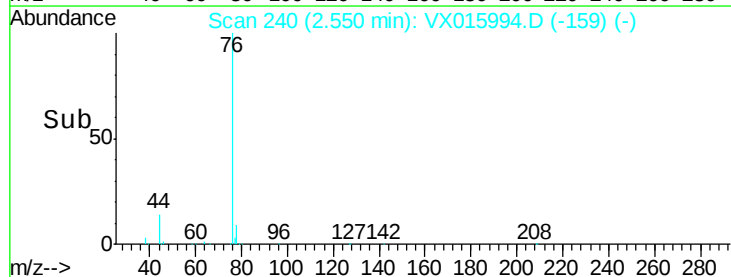
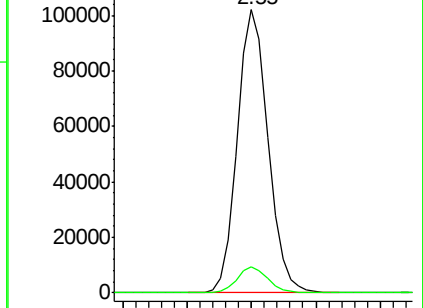
76 100

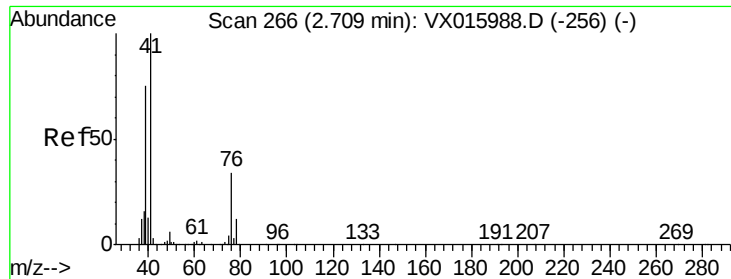
78 9.1 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





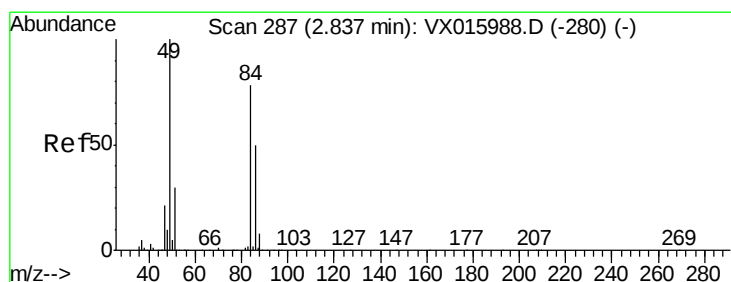
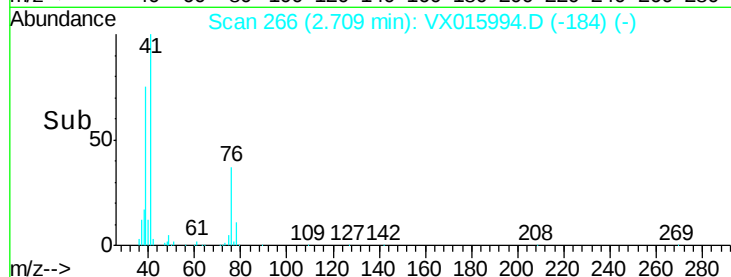
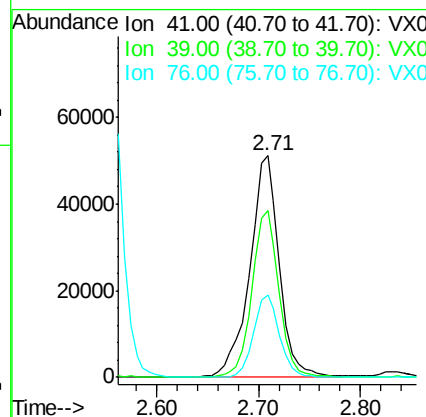
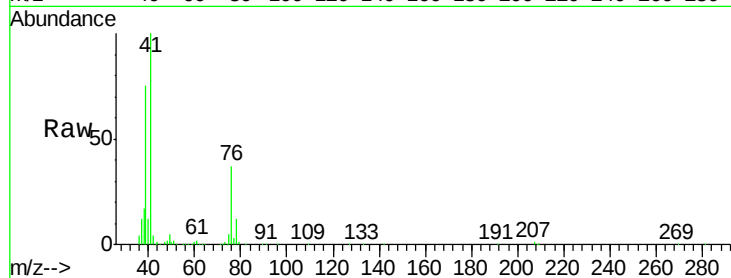
#17
Allvl chloride
Concen: 19.126 ug/l
RT: 2.71 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX015994.D
Acq: 30 Apr 2020 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0430WBS01

Tot Ion:	41	Resp:	102506
Ion	Ratio	Lower	Upper
41	100		
39	74.9	37.6	112.8
76	37.1	17.2	51.5

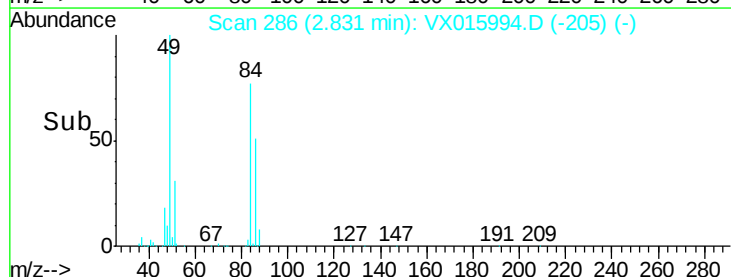
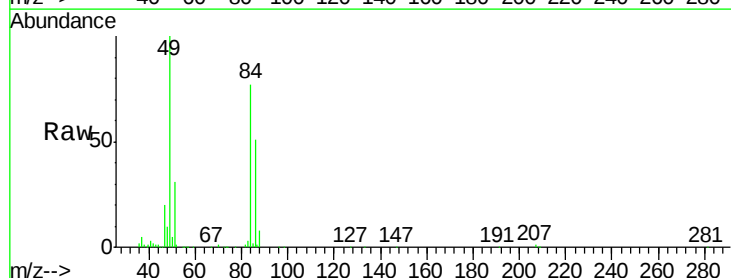
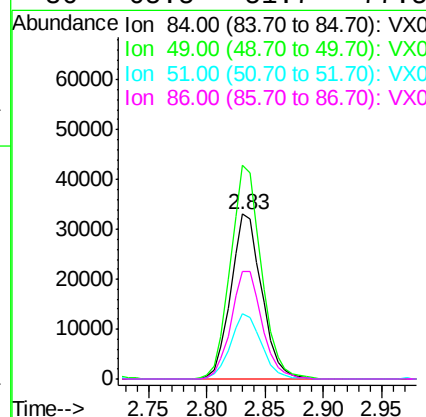
Manual Integrations
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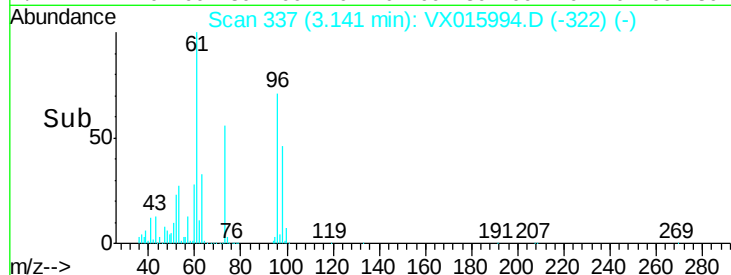
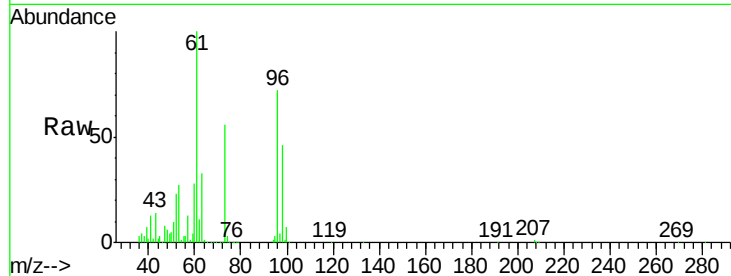
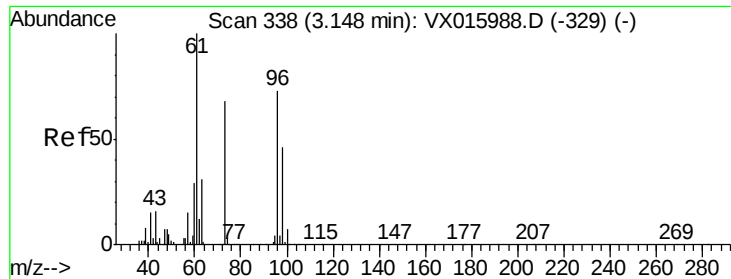
MMDadoda
5/4/2020 3:10:20 PM



#18
Methylene Chloride
Concen: 18.852 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX015994.D
Acq: 30 Apr 2020 14:41

Tgt Ion:	84	Resp:	61014
Ion	Ratio	Lower	Upper
84	100		
49	129.5	103.0	154.4
51	39.9	31.4	47.0
86	65.5	51.7	77.5





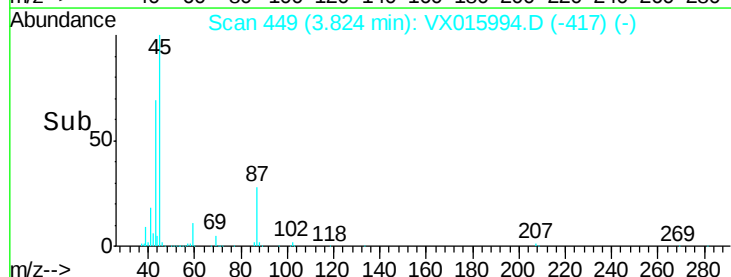
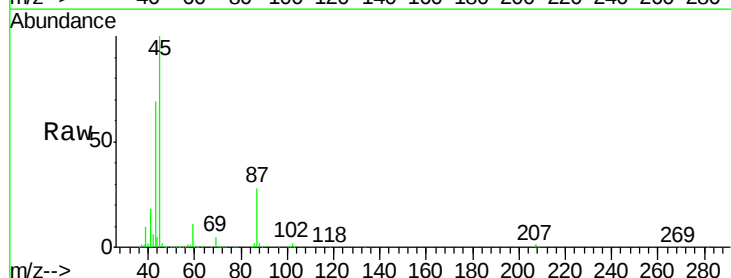
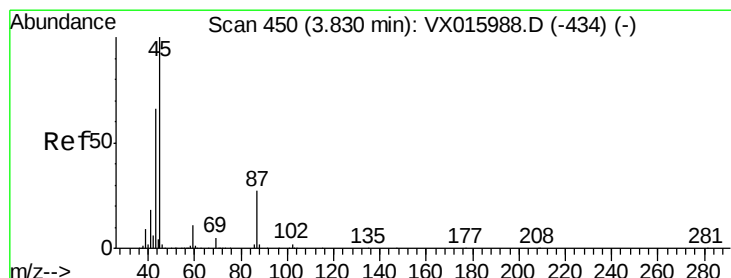
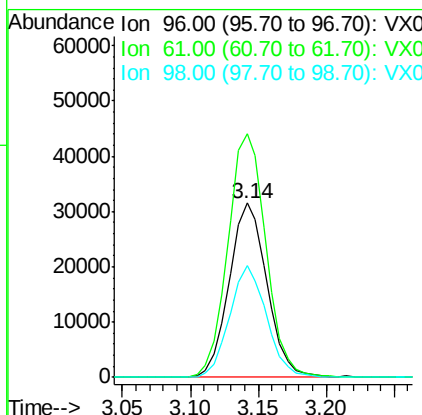
#19
trans-1,2-Dichloroethene
Concen: 19.298 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.01 min
Lab File: VX015994.D
Acq: 30 Apr 2020 14:41

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.6	109.0	163.4
98	64.2	50.0	75.0

Instrument :
MSVOA_X
ClientSampleId :
VX0430WBS01

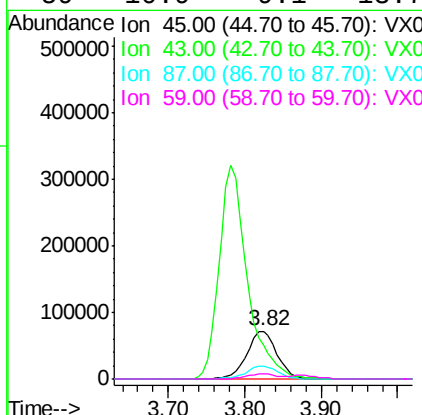
Manual Integrations
APPROVED

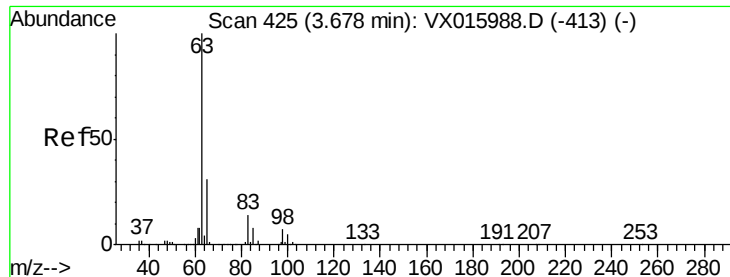
MMDadoda
5/4/2020 3:10:20 PM



#20
Diisopropyl ether
Concen: 18.982 ug/l
RT: 3.82 min Scan# 449
Delta R.T. -0.01 min
Lab File: VX015994.D
Acq: 30 Apr 2020 14:41

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.5	53.0	79.4
87	27.6	21.9	32.9
59	10.9	9.1	13.7





#21

1,1-Dichloroethane

Concen: 19.105 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.01 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

Instrument :

MSVOA_X

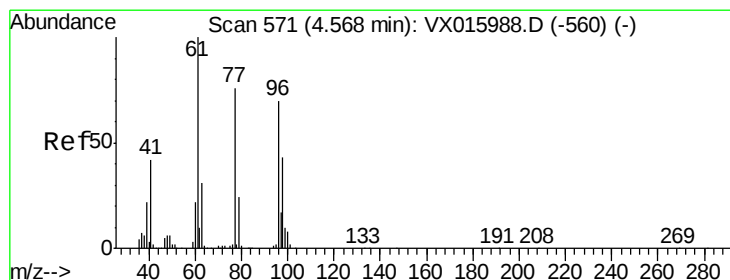
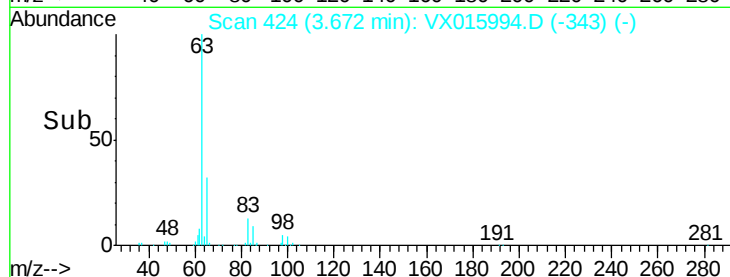
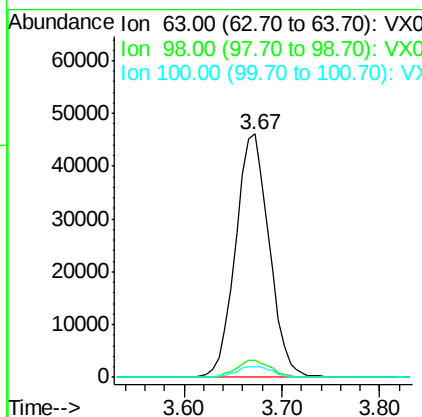
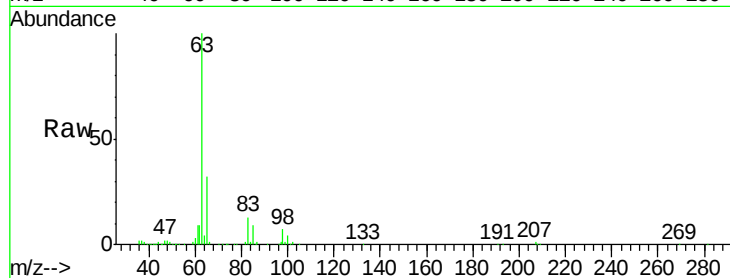
ClientSampleId :

VX0430WBS01

Tot Ion:	63	Resp:	110084
Ion Ratio	Lower	Upper	
63	100		
98	6.8	3.5	10.4
100	4.1	2.3	6.9

Manual Integrations
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MMDadoda
5/4/2020 3:10:20 PM



#22

cis-1,2-Dichloroethene

Concen: 19.150 ug/l

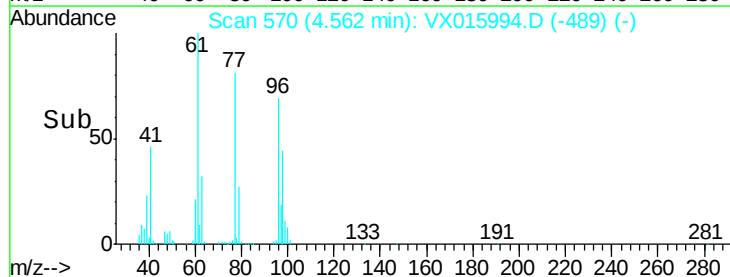
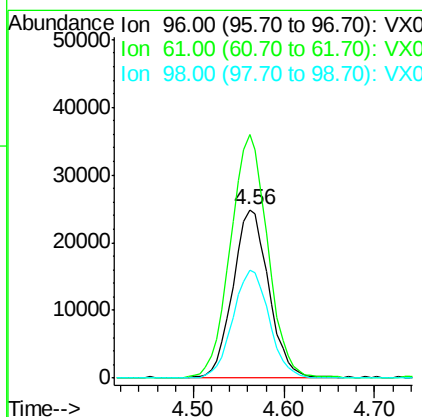
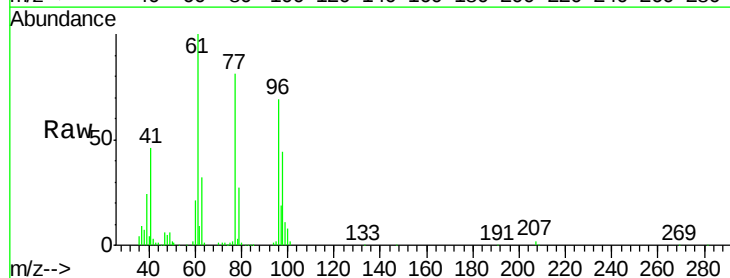
RT: 4.56 min Scan# 570

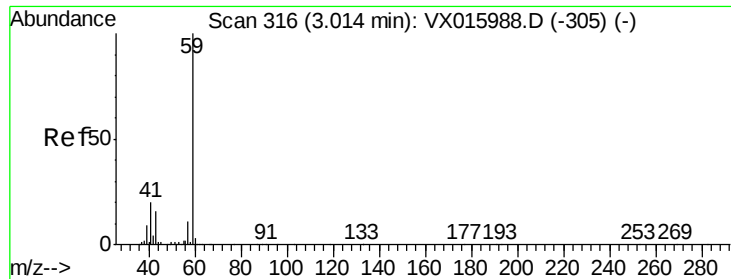
Delta R.T. -0.01 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

Tgt Ion:	96	Resp:	68672
Ion Ratio	Lower	Upper	
96	100		
61	149.0	121.6	182.4
98	64.4	51.9	77.9





#23

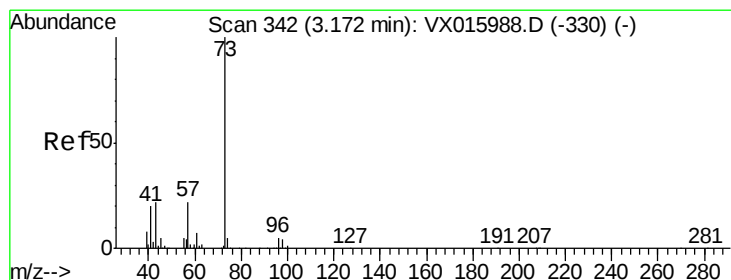
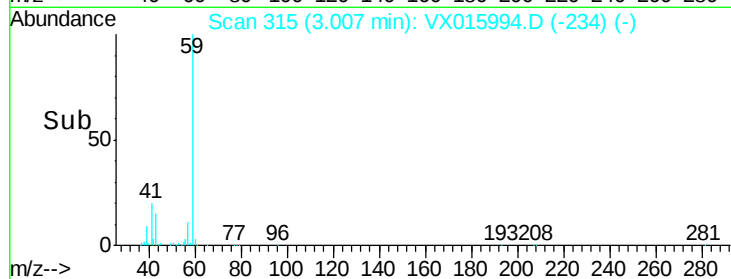
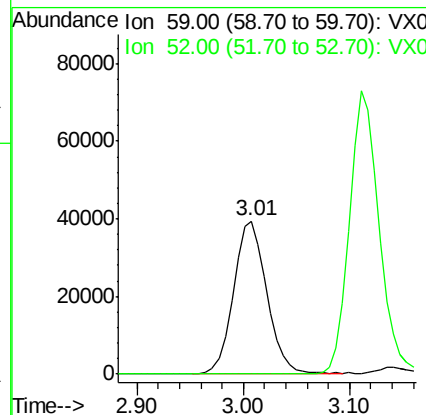
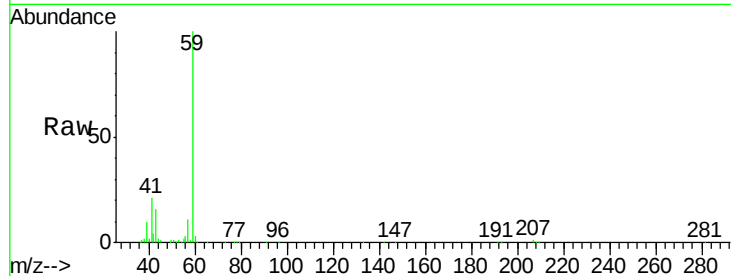
tert-Butyl Alcohol
 Concen: 95.065 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX015994.D
 Acq: 30 Apr 2020 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0430WBS01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
52	52	0.1	0.1	0.1

Manual Integrations
 APPROVED

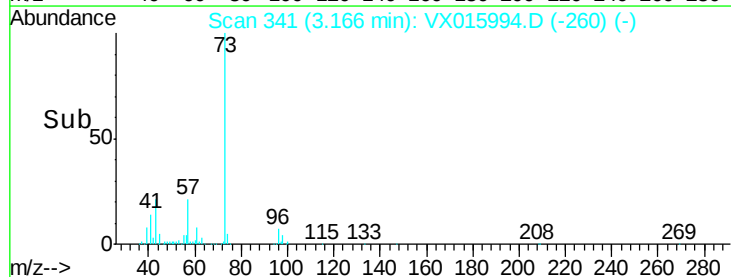
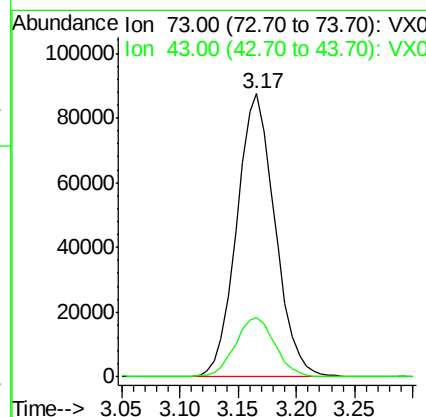
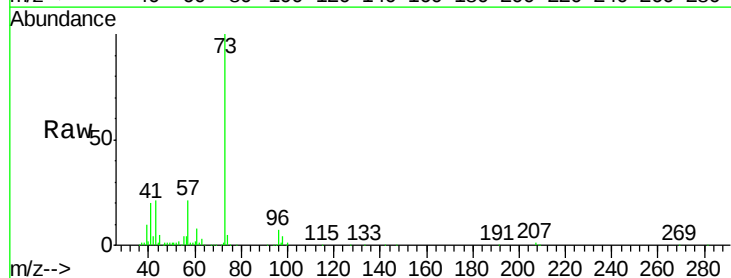
MMDadoda
 5/4/2020 3:10:20 PM

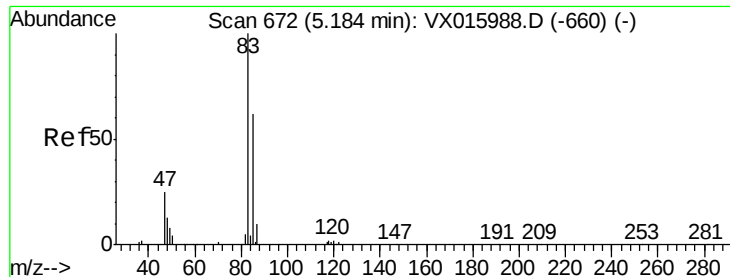


#24

Methyl tert-Butyl Ether
 Concen: 19.201 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. -0.01 min
 Lab File: VX015994.D
 Acq: 30 Apr 2020 14:41

Tgt Ion	Ion	Ratio	Lower	Upper
73	73	100		
43	43	21.6	17.8	26.6





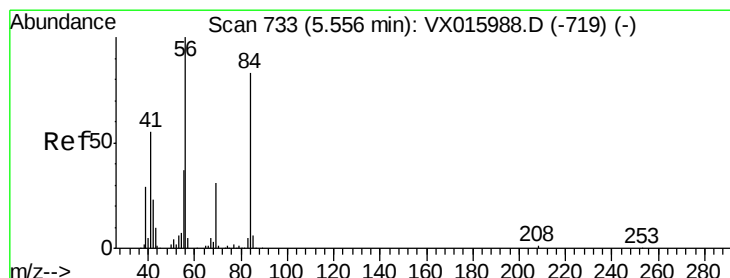
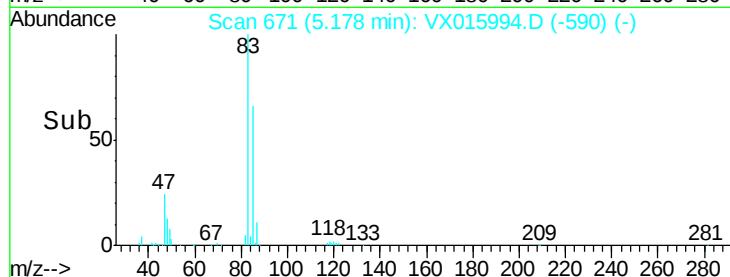
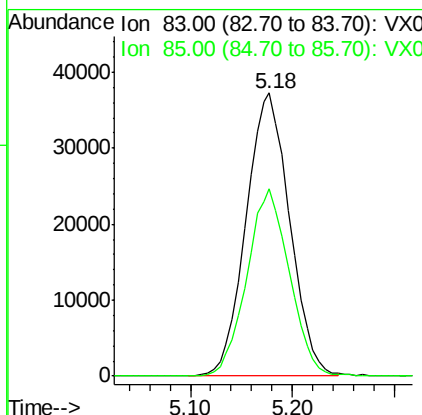
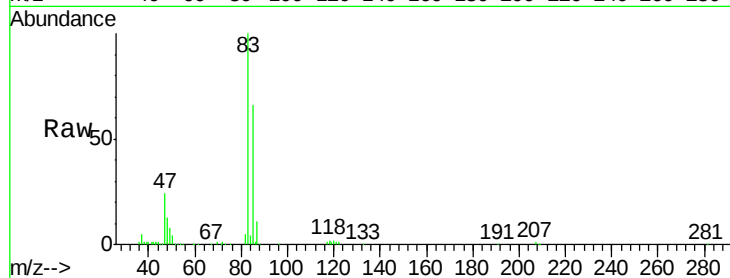
#25
Chloroform
Concen: 18.905 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.01 min
Lab File: VX015994.D
Acq: 30 Apr 2020 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0430WBS01

Tot Ion	83	Resp	110632
Ion Ratio	100	Lower	Upper
83	100		
85	65.9	49.6	74.4

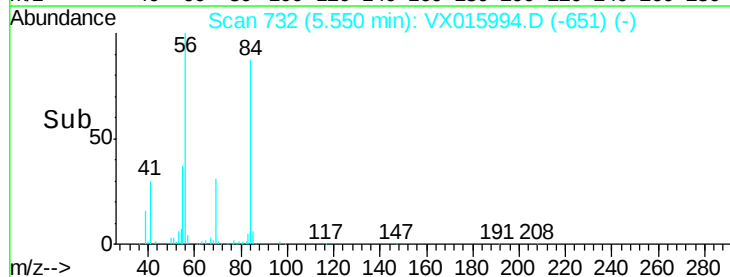
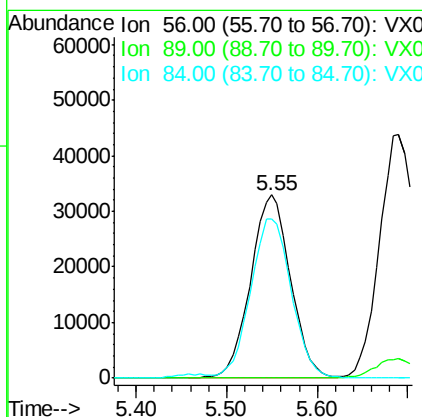
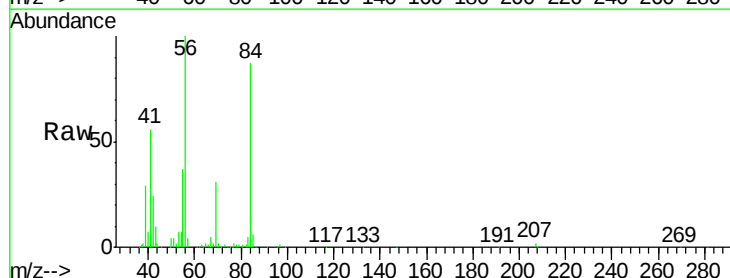
Manual Integrations
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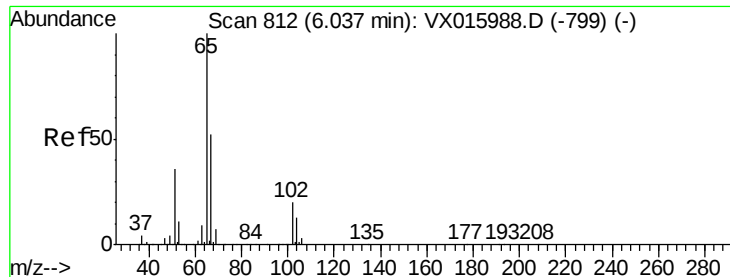
MMDadoda
5/4/2020 3:10:20 PM



#26
Cyclohexane
Concen: 19.045 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.01 min
Lab File: VX015994.D
Acq: 30 Apr 2020 14:41

Tgt Ion	56	Resp	100350
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.1	0.1#
84	89.1	70.1	105.1





#27

1,2-Dichloroethane-d4

Concen: 30.142 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.01 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

Tot Ion: 65 Resp: 116961

Ion Ratio Lower Upper

65 100

67 51.5 41.0 61.4

Instrument :

MSVOA_X

ClientSampleId :

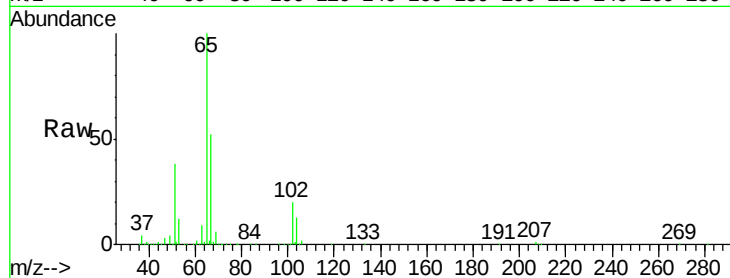
VX0430WBS01

Manual Integrations

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Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

50000

40000

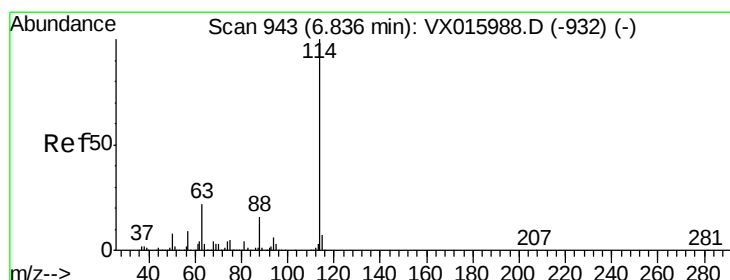
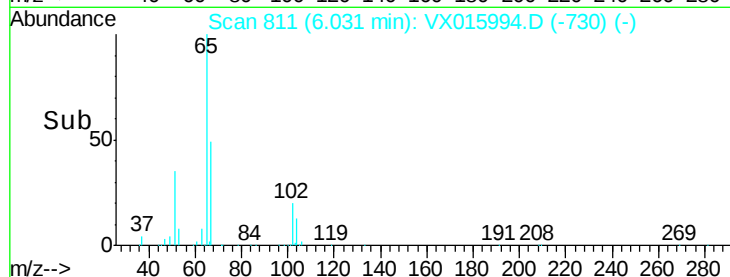
30000

20000

10000

0

Time--> 5.90 6.00 6.10



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

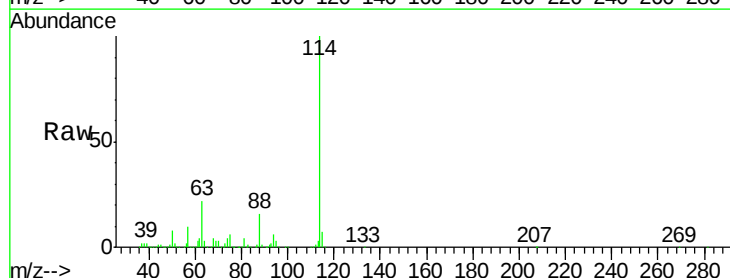
Tgt Ion: 114 Resp: 283083

Ion Ratio Lower Upper

114 100

63 21.2 17.1 25.7

88 15.9 13.0 19.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

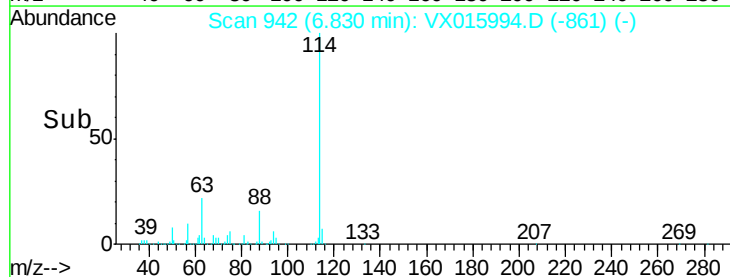
150000

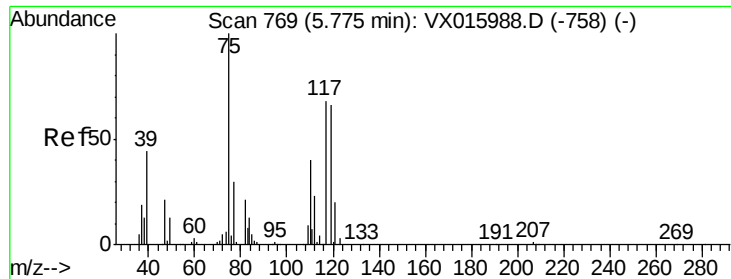
100000

50000

0

Time--> 6.70 6.80 6.90





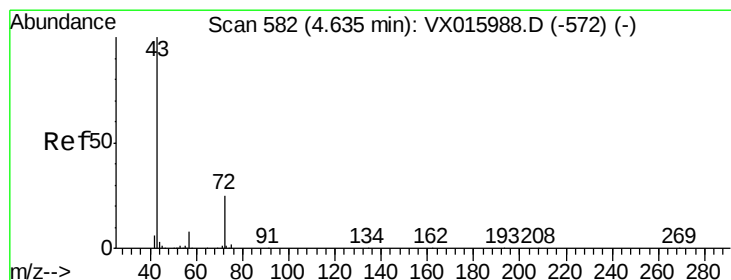
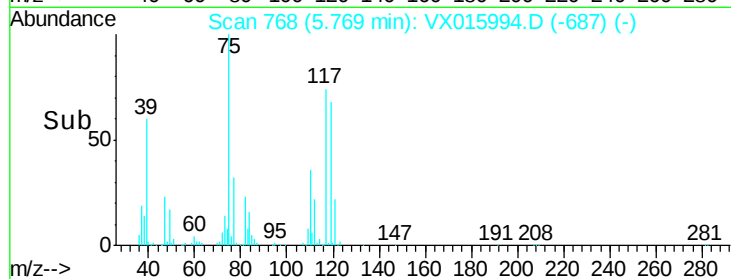
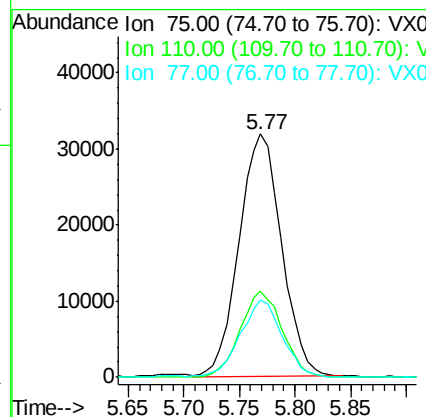
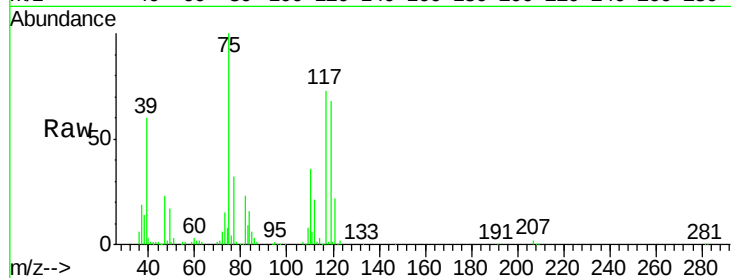
#29
 1,1-Dichloropropene
 Concen: 18.966 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: VX015994.D
 Acq: 30 Apr 2020 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0430WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.5	0.0	71.0
77	31.8	0.0	64.2

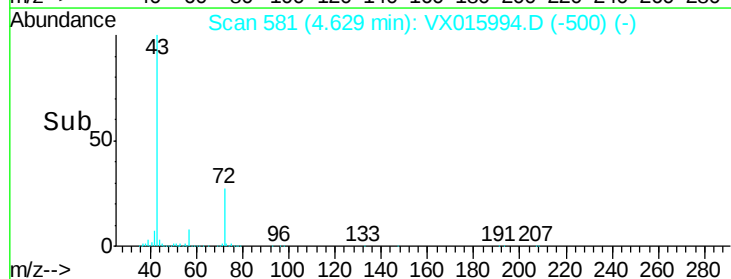
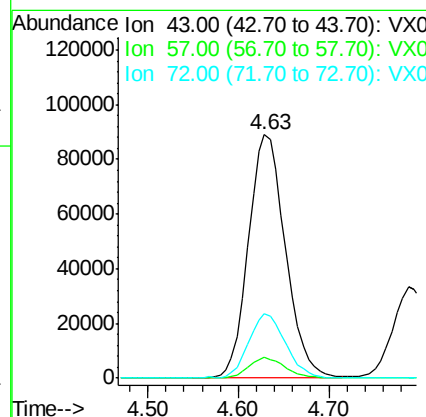
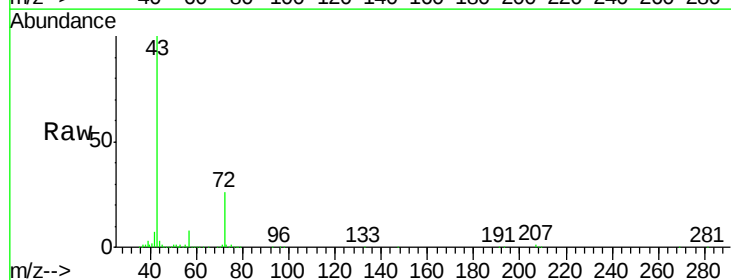
Manual Integrations
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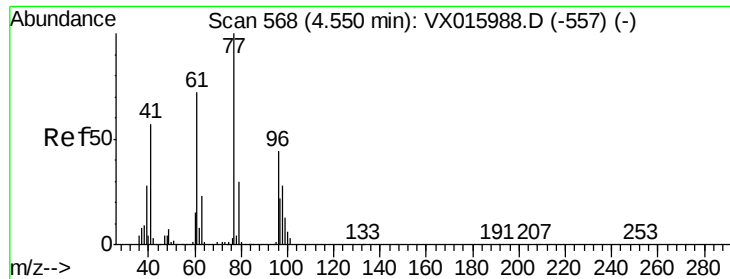
MMDadoda
 5/4/2020 3:10:20 PM



#30
 2-Butanone
 Concen: 94.322 ug/l
 RT: 4.63 min Scan# 581
 Delta R.T. -0.01 min
 Lab File: VX015994.D
 Acq: 30 Apr 2020 14:41

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.3	6.3	9.5
72	26.2	20.8	31.2





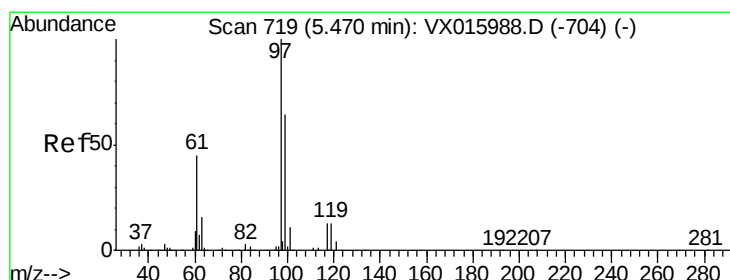
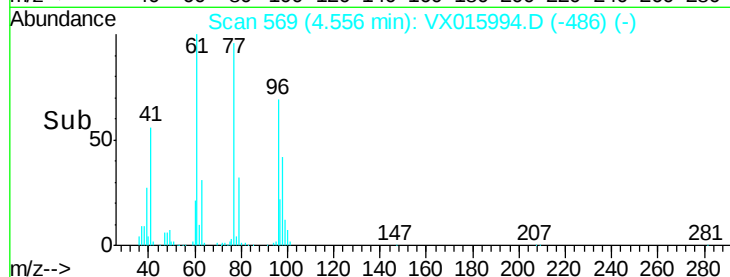
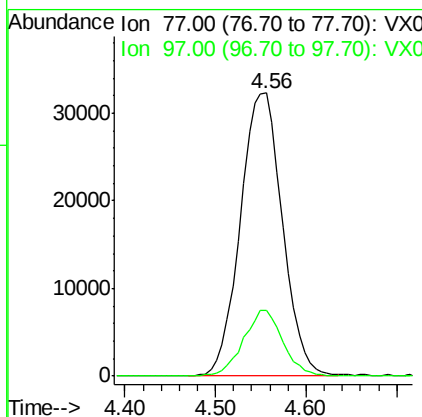
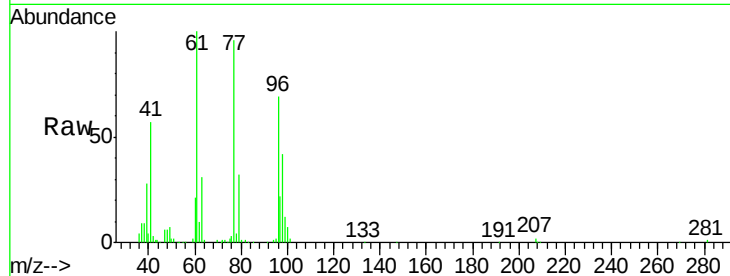
#31
 2,2-Dichloropropane
 Concen: 19.380 ug/l
 RT: 4.56 min Scan# 569
 Delta R.T. 0.01 min
 Lab File: VX015994.D
 Acq: 30 Apr 2020 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0430WBS01

Tot Ion	Ratio	Lower	Upper
77	100		
97	21.6	17.8	26.8

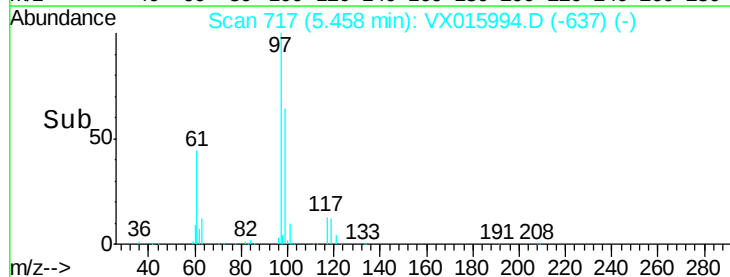
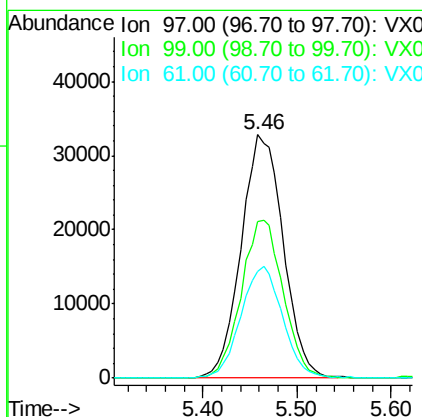
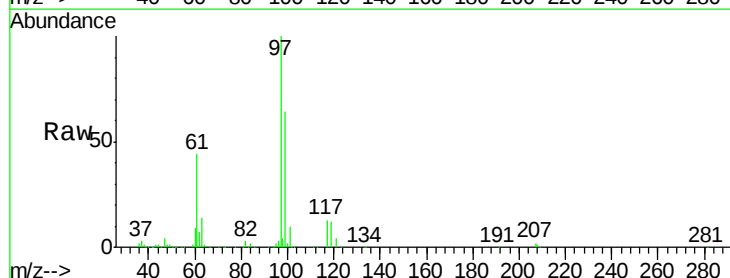
Manual Integrations
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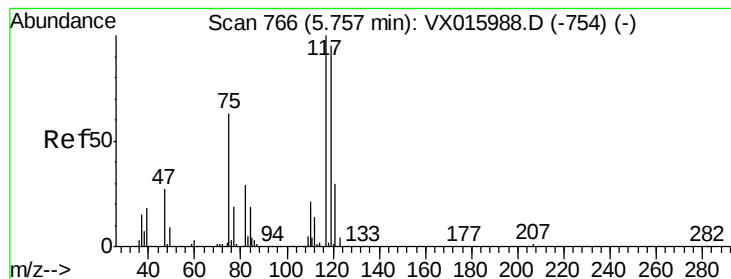
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 19.001 ug/l
 RT: 5.46 min Scan# 717
 Delta R.T. -0.01 min
 Lab File: VX015994.D
 Acq: 30 Apr 2020 14:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.7	76.1
61	45.4	35.9	53.9





#33

Carbon Tetrachloride

Concen: 19.081 ug/l

RT: 5.75 min Scan# 765

Delta R.T. -0.01 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

Instrument :

MSVOA_X

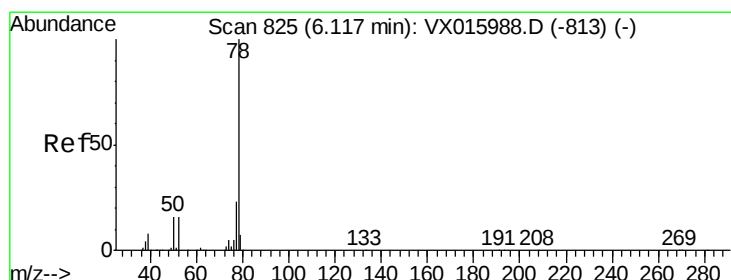
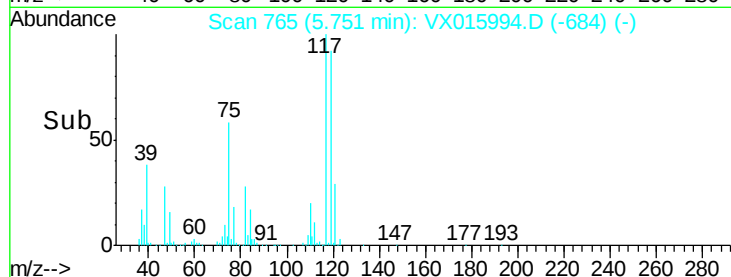
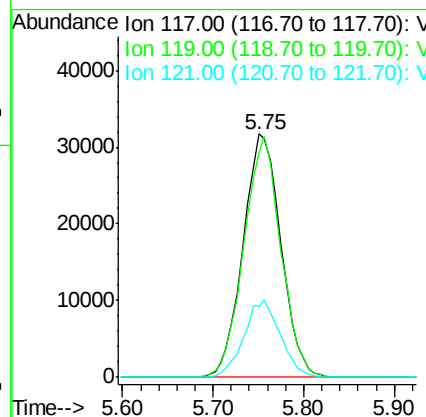
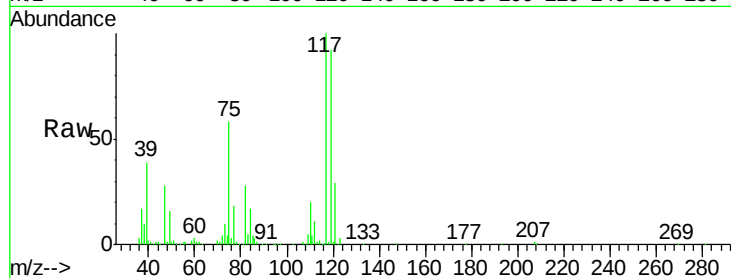
ClientSampleId :

VX0430WBS01

Tot Ion:	117	Resp:	91759
Ion	Ratio	Lower	Upper
117	100		
119	92.0	76.3	114.5
121	29.2	24.2	36.4

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#34

Benzene

Concen: 18.909 ug/l

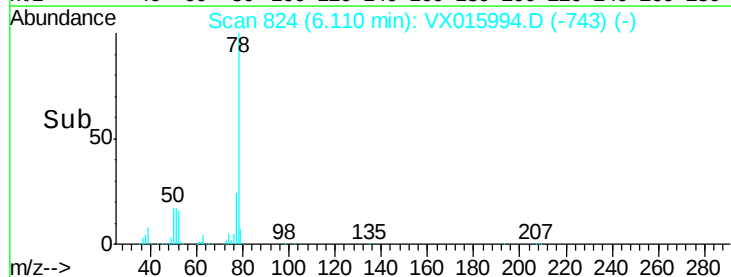
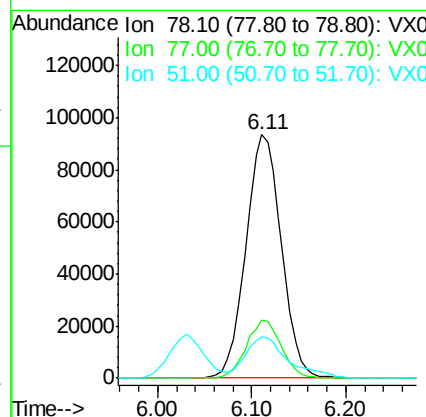
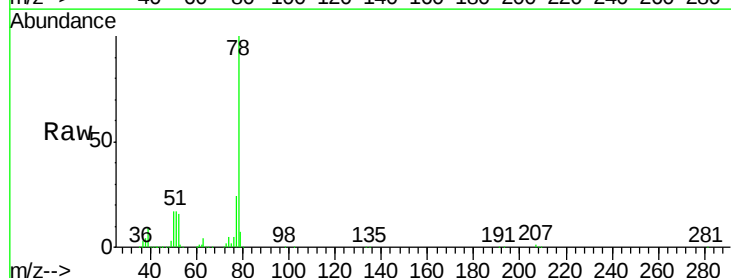
RT: 6.11 min Scan# 824

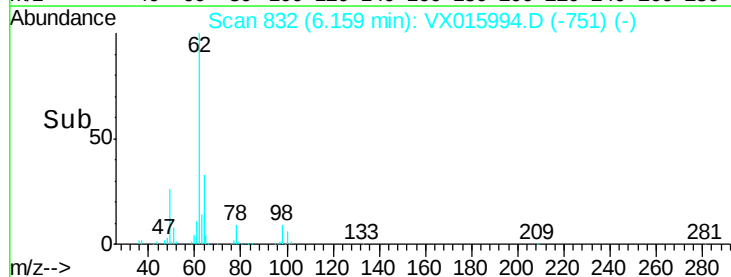
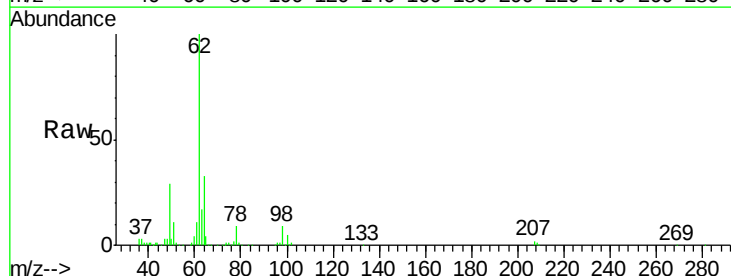
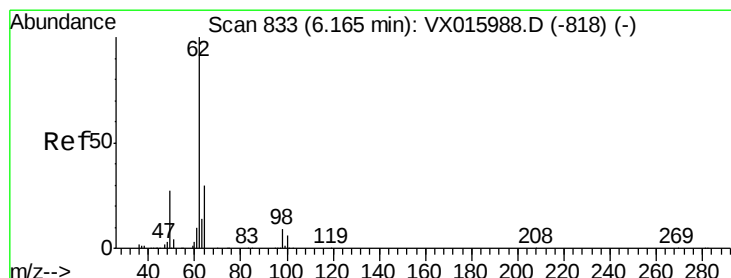
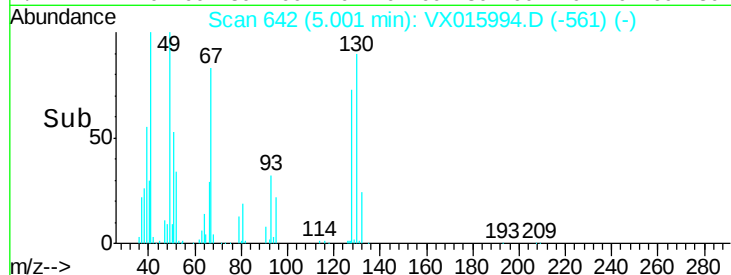
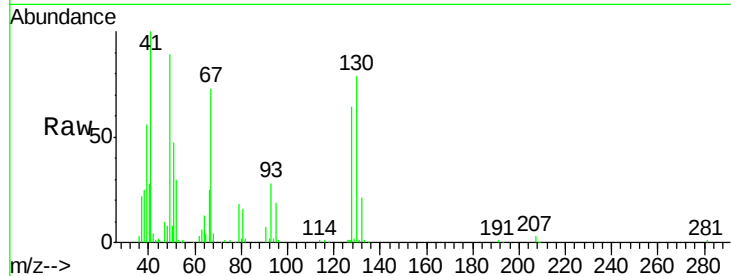
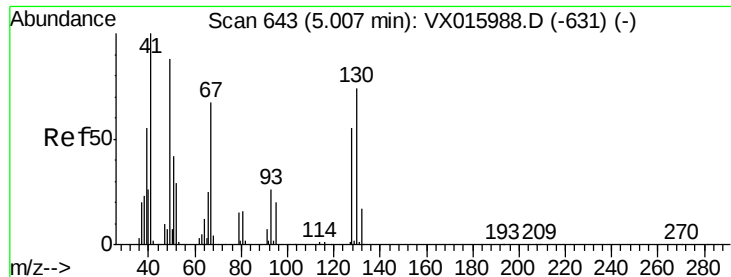
Delta R.T. -0.01 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

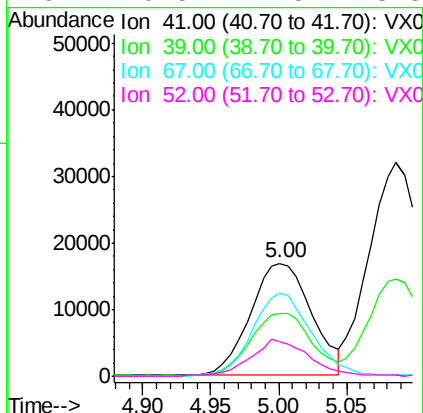
Tgt Ion:	78	Resp:	245894
Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1
51	16.6	12.7	19.1





#35
Methacrylonitrile
Concen: 18.772 ug/l
RT: 5.00 min Scan# 642
Delta R.T. -0.01 min
Lab File: VX015994.D
Acq: 30 Apr 2020 14:41

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.3	27.5	82.4	
67	73.4	33.6	100.6	
52	29.5	14.5	43.5	



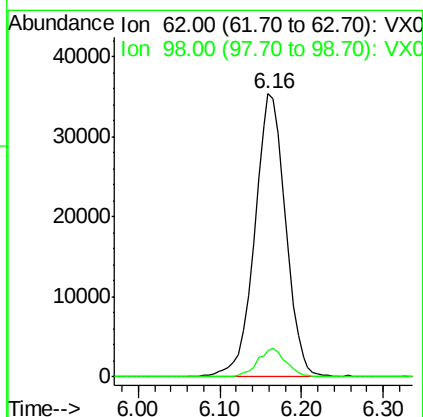
Instrument :
MSVOA_X
ClientSampleId :
VX0430WBS01

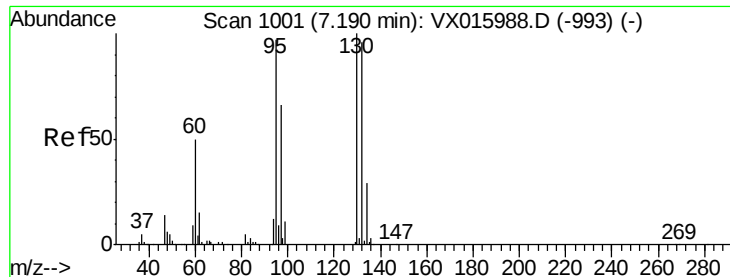
Manual Integrations
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#36
1,2-Dichloroethane
Concen: 18.868 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX015994.D
Acq: 30 Apr 2020 14:41

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	7.4	11.2	





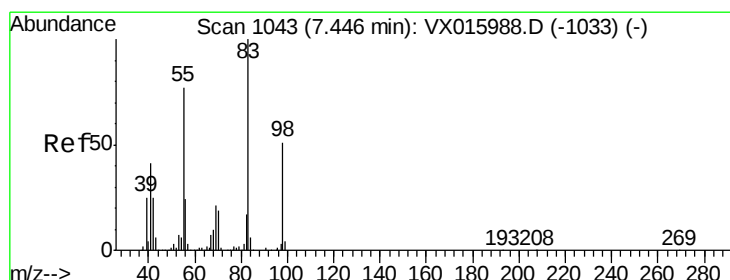
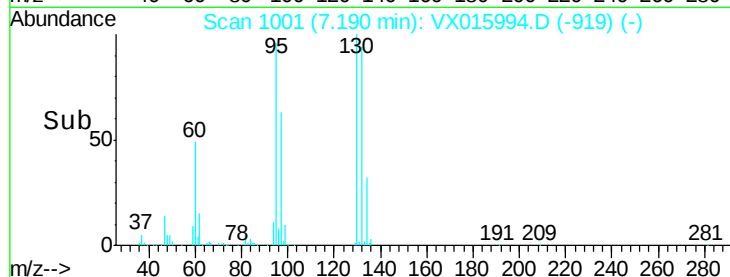
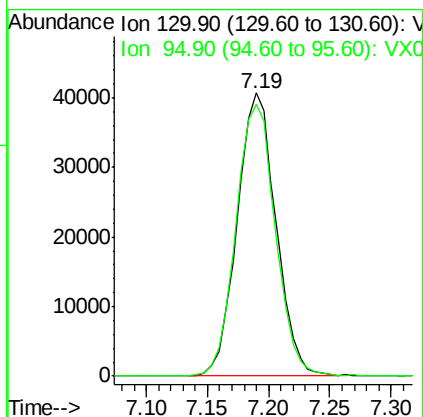
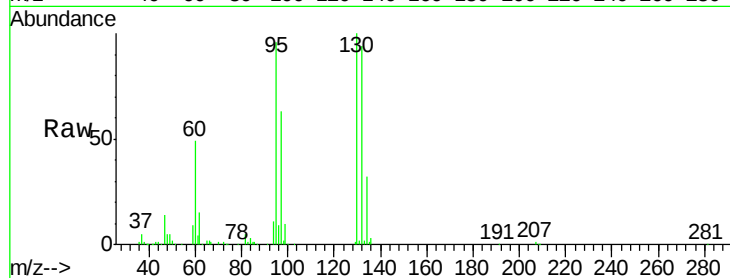
#37
 Trichloroethene
 Concen: 19.331 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX015994.D
 Acq: 30 Apr 2020 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0430WBS01

Tot Ion:130 Resp: 89428
 Ion Ratio Lower Upper
 130 100
 95 95.9 77.8 116.8

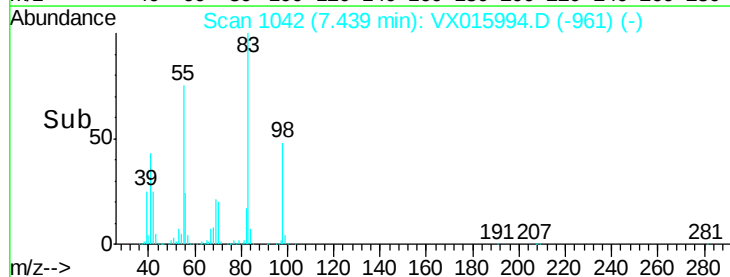
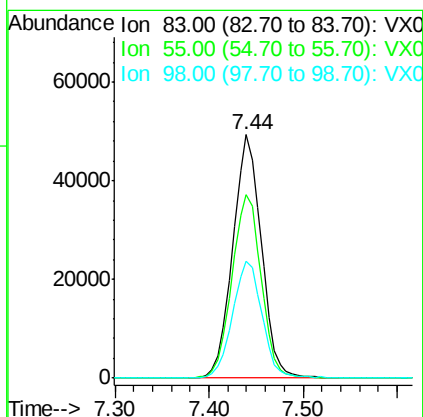
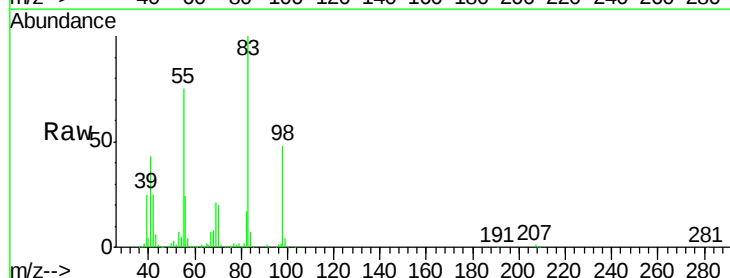
Manual Integrations
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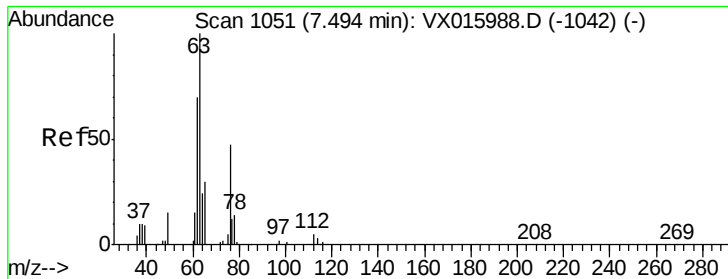
MMDadoda
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#38
 Methylcyclohexane
 Concen: 19.180 ug/l
 RT: 7.44 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX015994.D
 Acq: 30 Apr 2020 14:41

Tgt Ion: 83 Resp: 104359
 Ion Ratio Lower Upper
 83 100
 55 76.6 38.8 116.4
 98 49.0 25.1 75.3





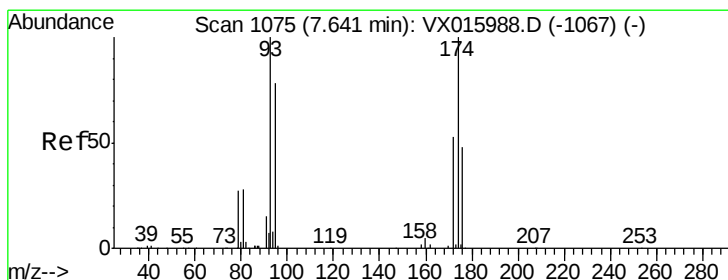
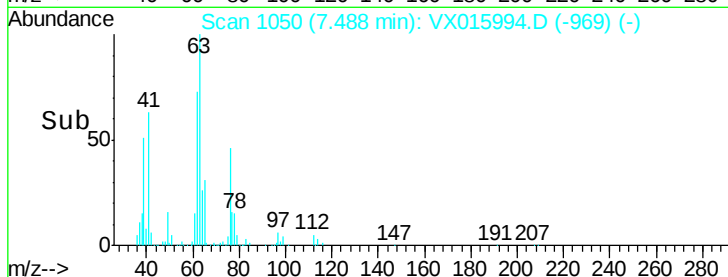
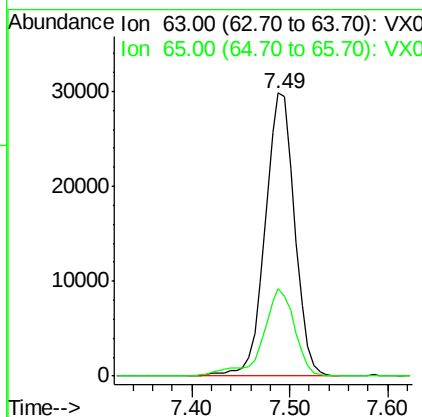
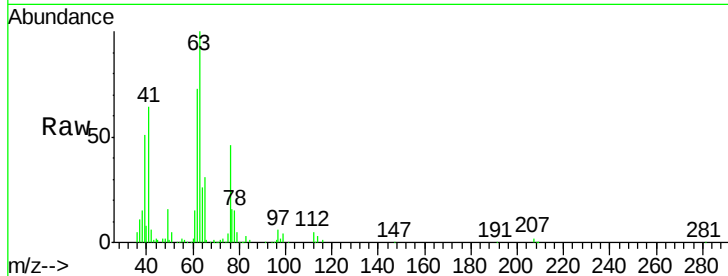
#39
 1,2-Dichloropropane
 Concen: 18.695 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VX015994.D
 Acq: 30 Apr 2020 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0430WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
63	63	100	62406		
65	65	30.9		25.9	38.9

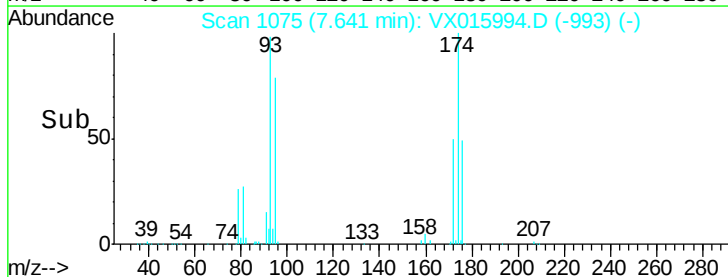
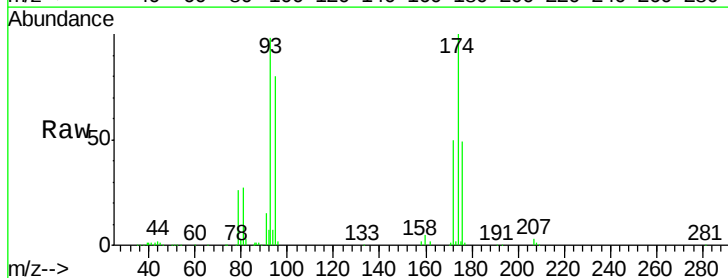
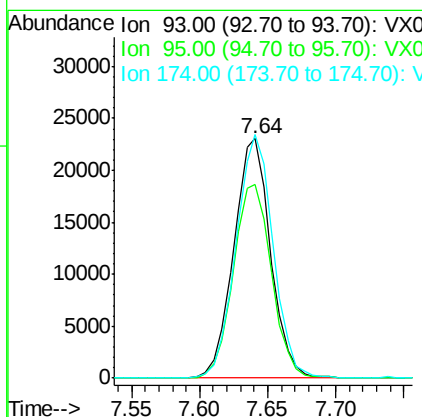
Manual Integrations
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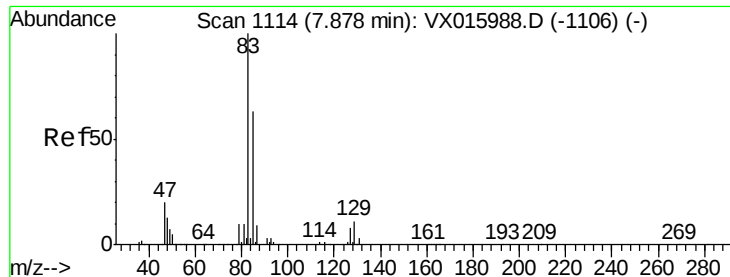
MMDadoda
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#40
 Dibromomethane
 Concen: 18.797 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VX015994.D
 Acq: 30 Apr 2020 14:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	93	100	43572		
95	95	83.9		0.0	162.8
174	174	102.2		0.0	204.0





#41

Bromodichloromethane

Concen: 18.643 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

Instrument :

MSVOA_X

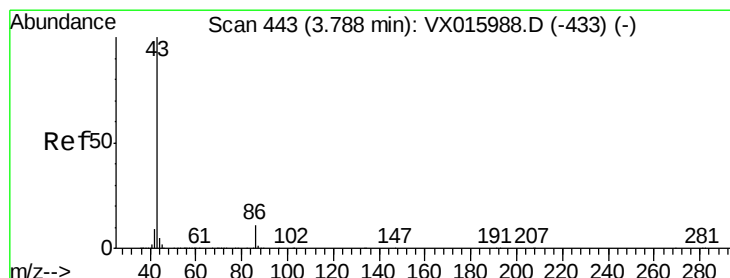
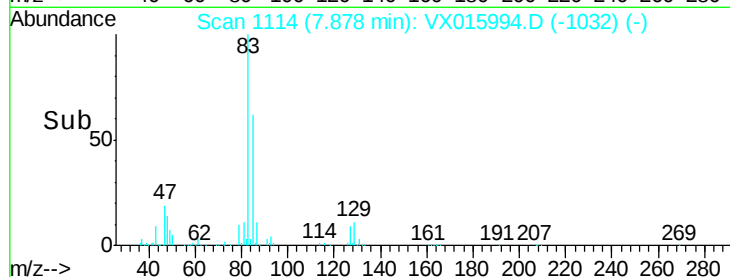
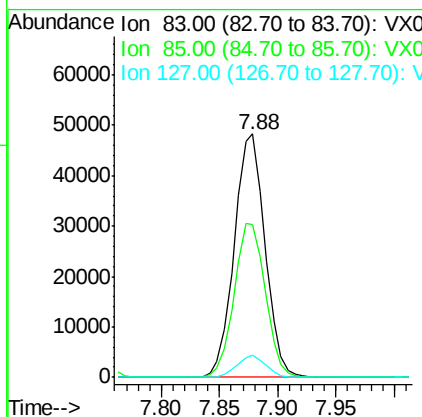
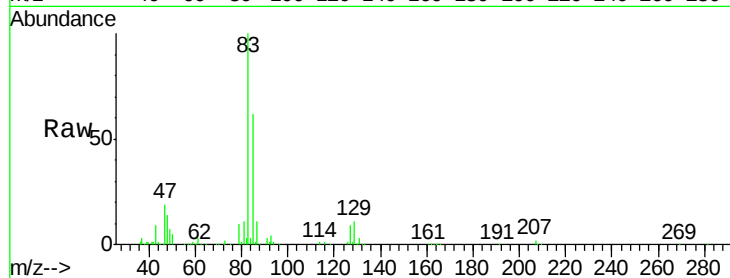
ClientSampleId :

VX0430WBS01

Tot Ion:	83	Resp:	89087
Ion Ratio	Lower	Upper	
83	100		
85	62.5	50.4	75.6
127	9.1	6.7	10.1

Manual Integrations
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#42

Vinyl Acetate

Concen: 93.717 ug/l

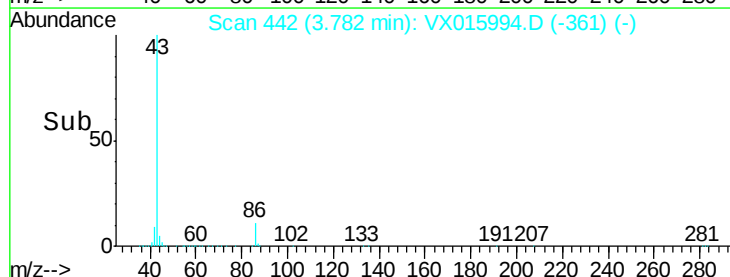
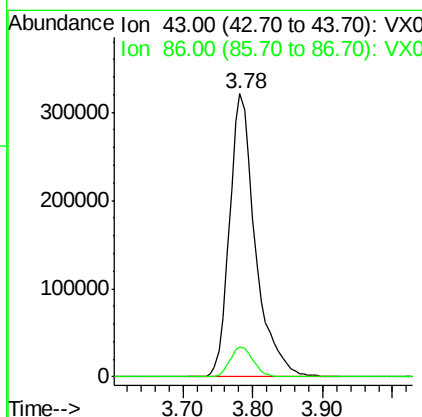
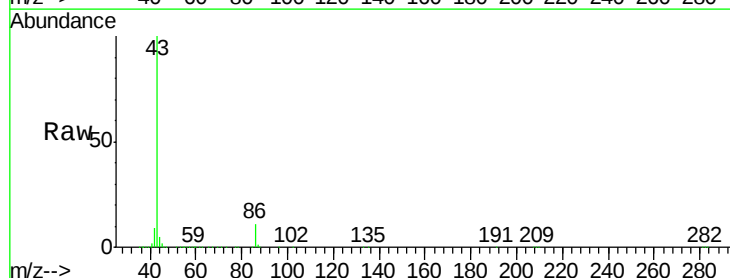
RT: 3.78 min Scan# 442

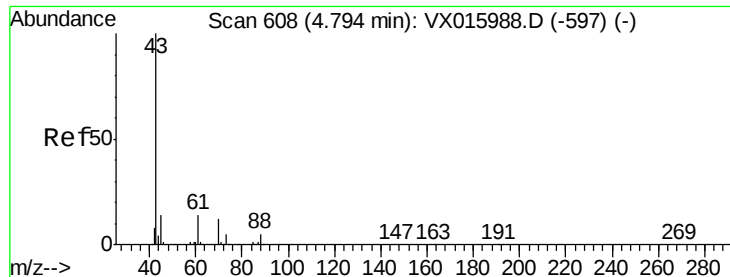
Delta R.T. -0.01 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

Tgt Ion:	43	Resp:	822539
Ion Ratio	Lower	Upper	
43	100		
86	9.6	7.7	11.5





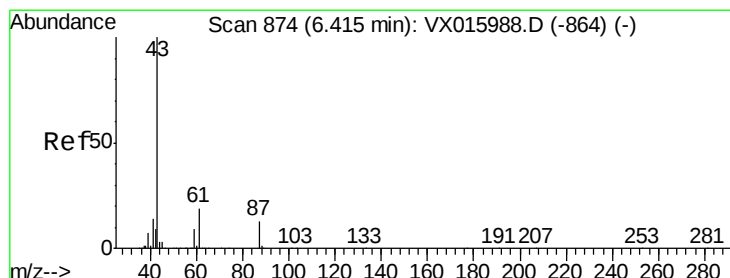
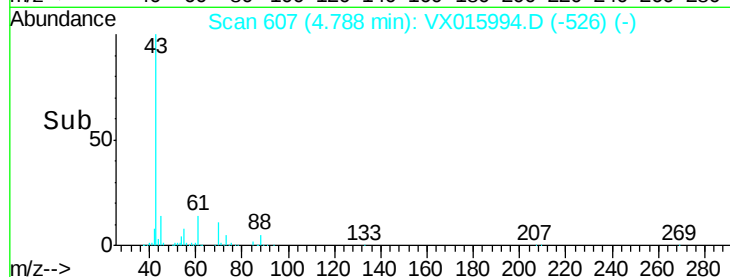
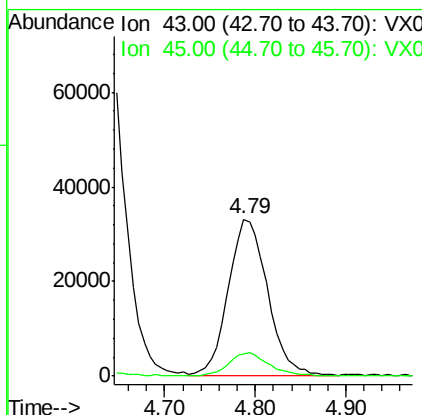
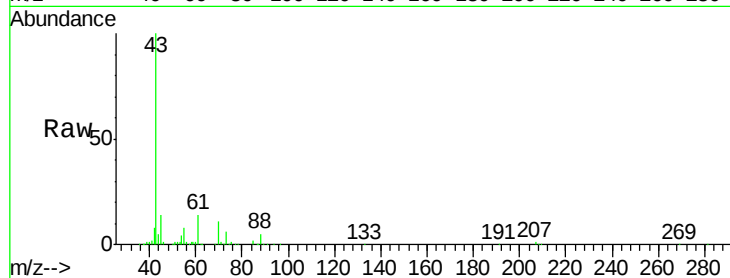
#43
Ethyl Acetate
Concen: 18.945 ug/l
RT: 4.79 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX015994.D
Acq: 30 Apr 2020 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0430WBS01

Tot Ion	43	45	Ratio	Lower	Upper
43	100				
45	14.5		11.9	17.9	

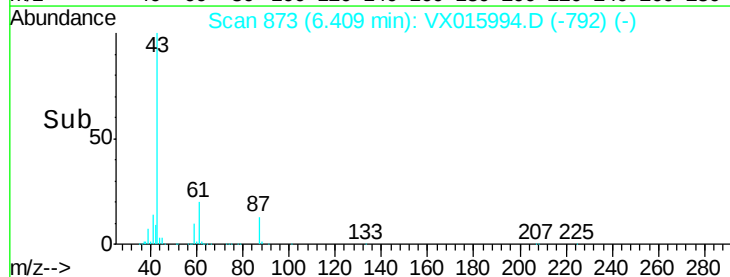
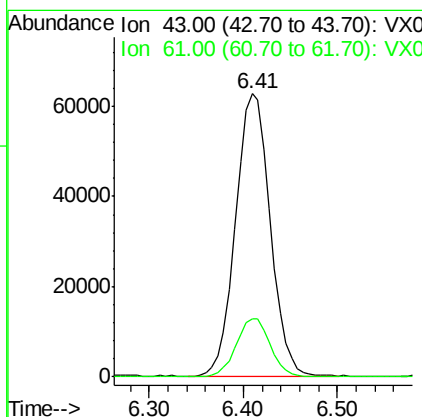
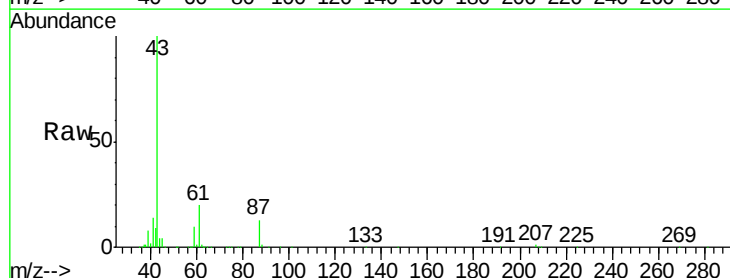
Manual Integrations
APPROVED

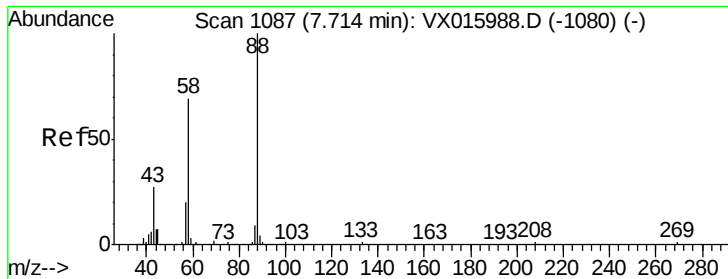
MMDadoda
5/4/2020 3:10:20 PM



#44
Isopropyl Acetate
Concen: 18.979 ug/l
RT: 6.41 min Scan# 873
Delta R.T. -0.01 min
Lab File: VX015994.D
Acq: 30 Apr 2020 14:41

Tgt Ion	43	61	Ratio	Lower	Upper
43	100				
61	20.3		16.1	24.1	





#45

1,4-Dioxane

Concen: 377.996 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

Instrument :

MSVOA_X

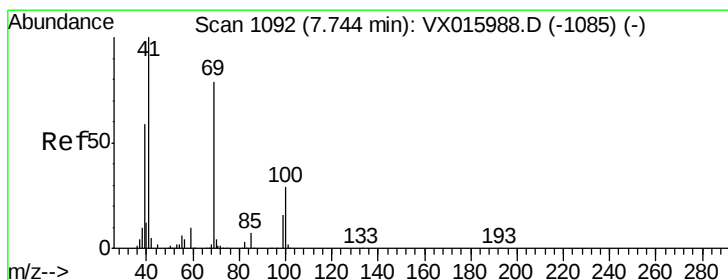
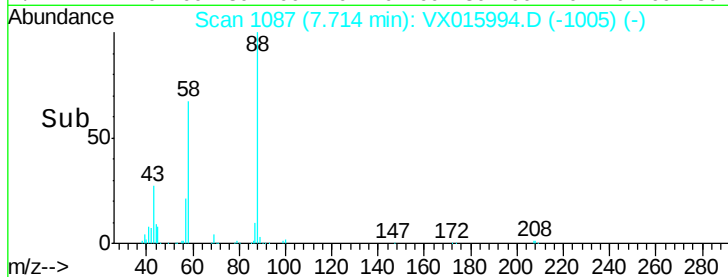
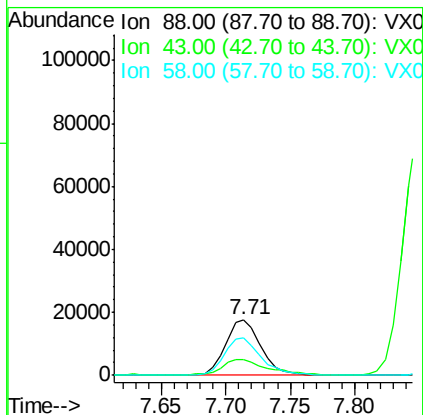
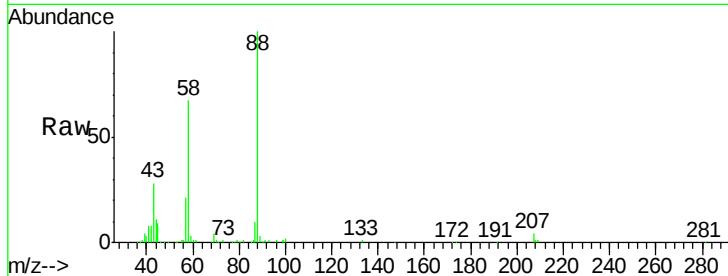
ClientSampled :

VX0430WBS01

Tot Ion:	88	Resp:	33907
Ion	Ratio	Lower	Upper
88	100		
43	33.3	26.3	39.5
58	69.5	57.0	85.6

Manual Integrations
APPROVED

MMDadoda
5/4/2020 3:10:20 PM



#46

Methyl methacrylate

Concen: 18.468 ug/l

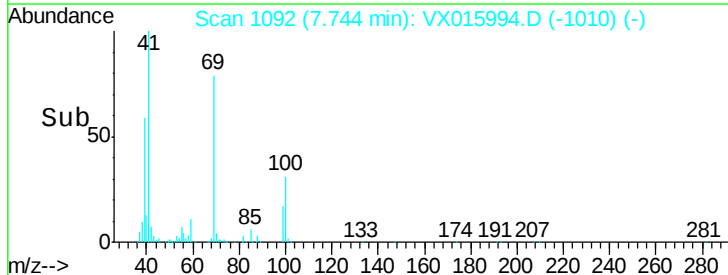
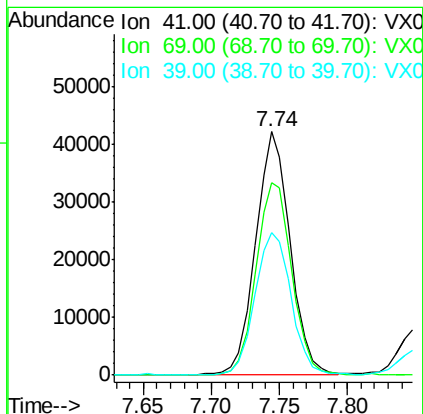
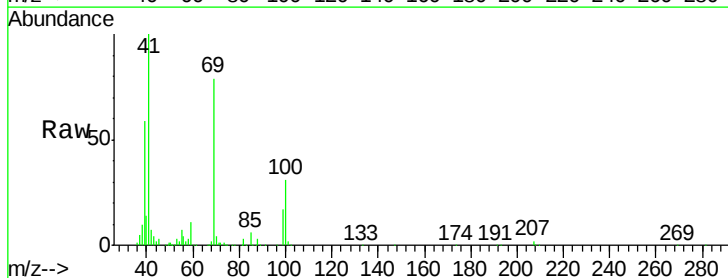
RT: 7.74 min Scan# 1092

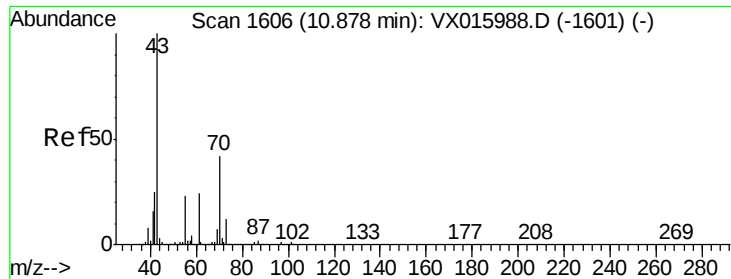
Delta R.T. -0.00 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

Tgt Ion:	41	Resp:	74351
Ion	Ratio	Lower	Upper
41	100		
69	79.2	39.5	118.5
39	58.5	29.6	88.9





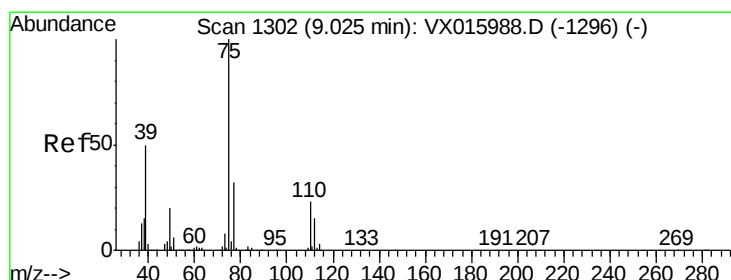
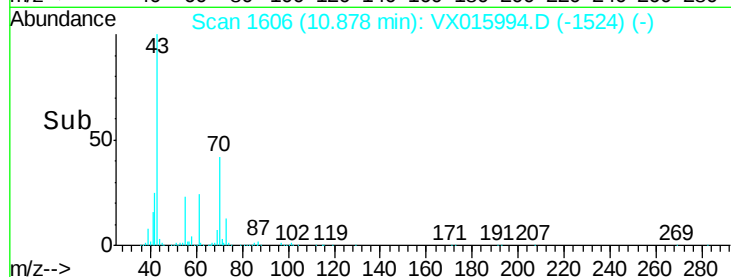
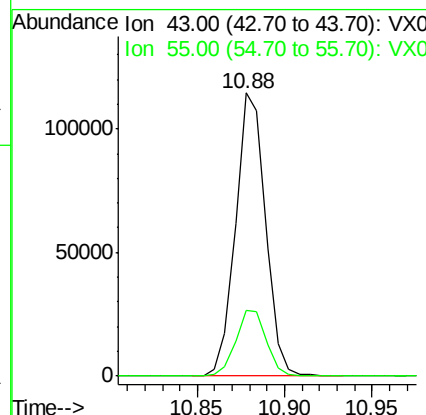
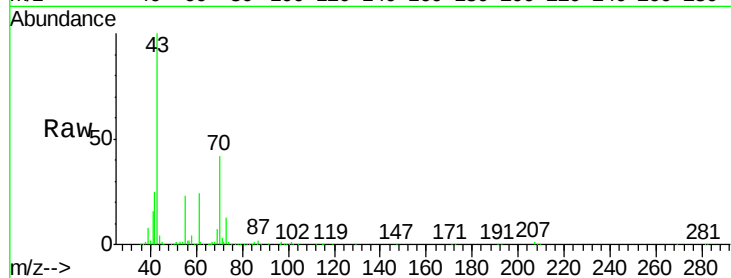
#47
n-amvl Acetate
Concen: 18.299 ug/l
RT: 10.88 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VX015994.D
Acq: 30 Apr 2020 14:41

Instrument :
MSVOA_X
ClientSampled :
VX0430WBS01

Tot Ion	43	Resp	135881
Ion Ratio	100	Lower	Upper
55	23.8	19.0	28.4

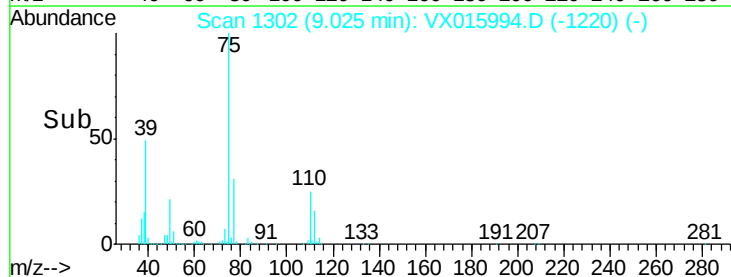
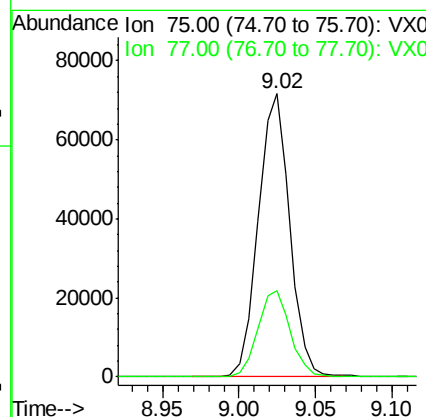
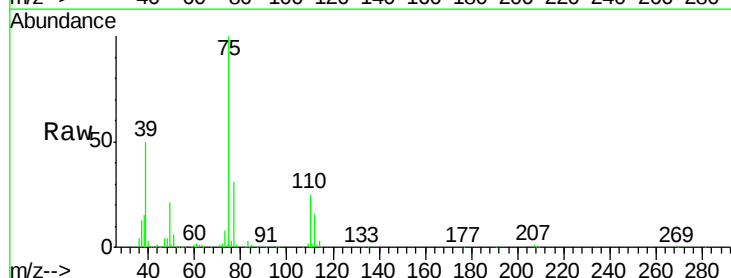
Manual Integrations
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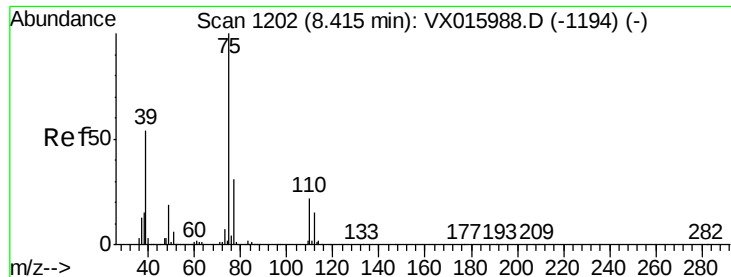
MMDadoda
5/4/2020 3:10:20 PM



#48
t-1,3-Dichloropropene
Concen: 18.472 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VX015994.D
Acq: 30 Apr 2020 14:41

Tgt Ion	75	Resp	102502
Ion Ratio	100	Lower	Upper
77	30.6	25.8	38.8





#49

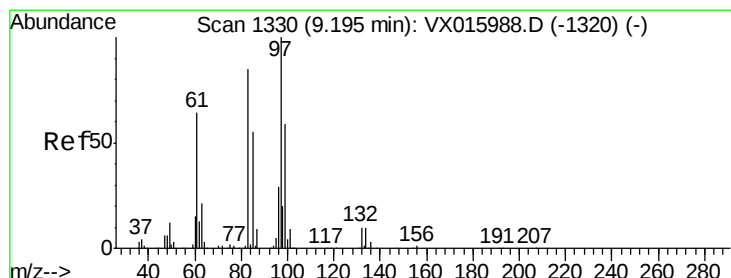
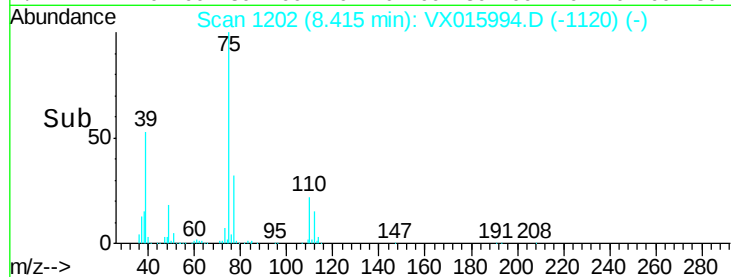
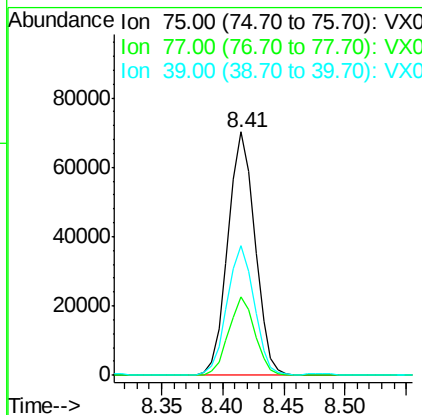
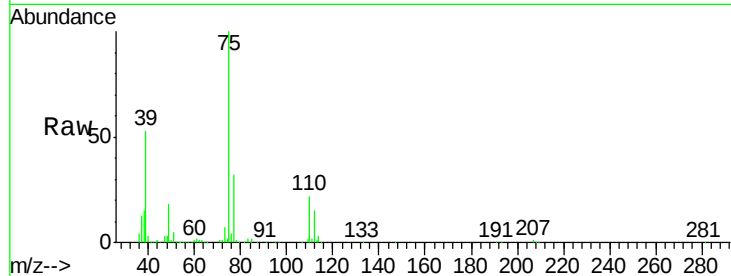
cis-1,3-Dichloropropene
 Concen: 18.836 ug/l
 RT: 8.41 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VX015994.D
 Acq: 30 Apr 2020 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0430WBS01

Tot Ion:	75	Resp:	107991
Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.0	37.6
39	52.9	43.2	64.8

Manual Integrations
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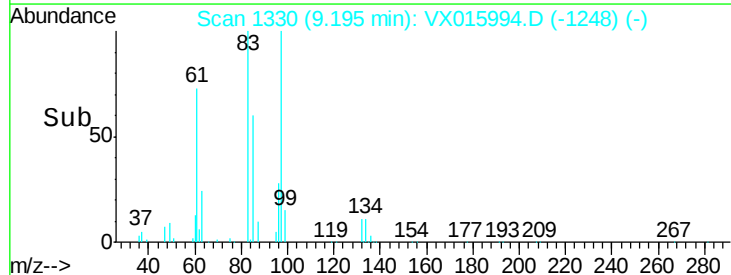
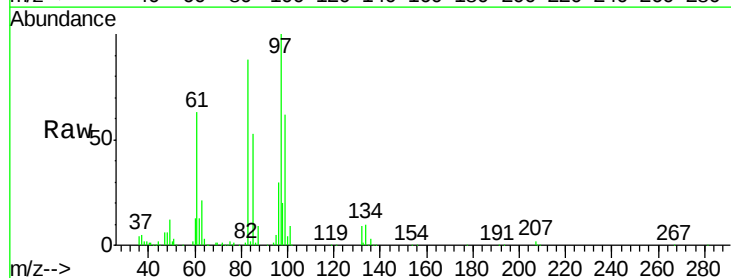
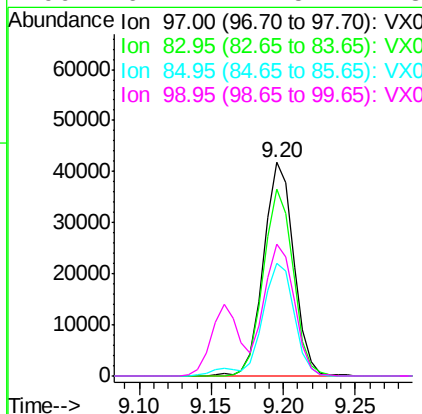
MMDadoda
 5/4/2020 3:10:20 PM

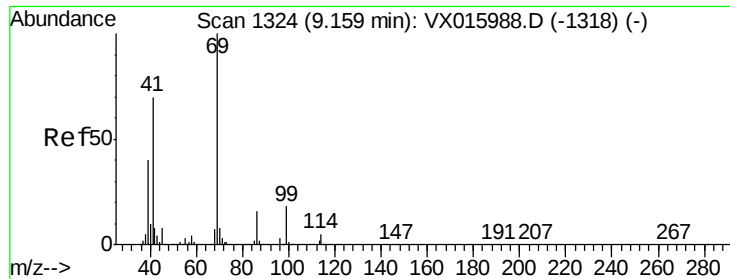


#50

1,1,2-Trichloroethane
 Concen: 18.615 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX015994.D
 Acq: 30 Apr 2020 14:41

Tgt Ion:	97	Resp:	60806
Ion	Ratio	Lower	Upper
97	100		
83	87.6	67.7	101.5
85	52.8	43.7	65.5
99	61.7	47.5	71.3





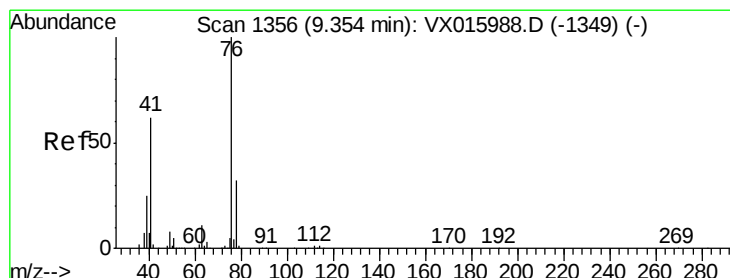
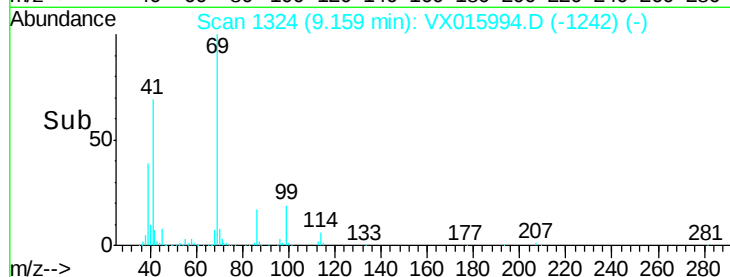
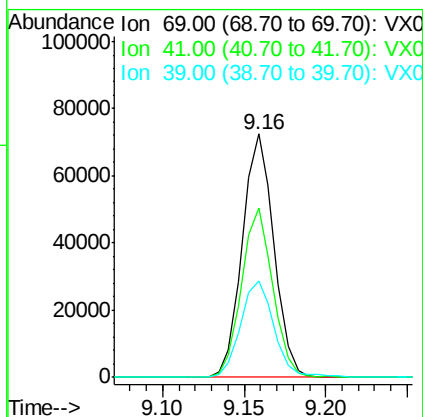
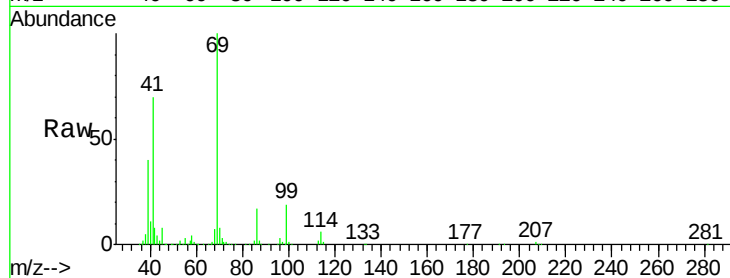
#51
Ethyl methacrylate
Concen: 18.181 ug/l
RT: 9.16 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX015994.D
Acq: 30 Apr 2020 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0430WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		98068		
41	69.6		34.8	104.4	
39	39.4		19.8	59.4	

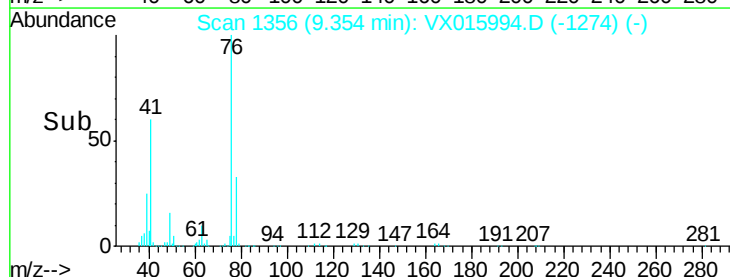
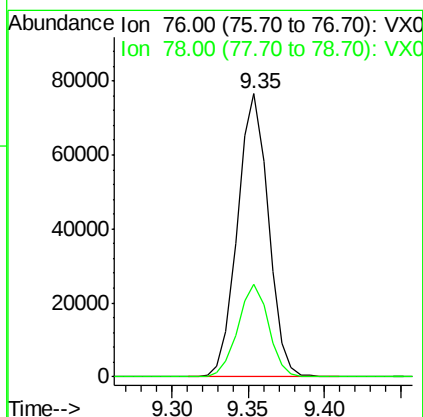
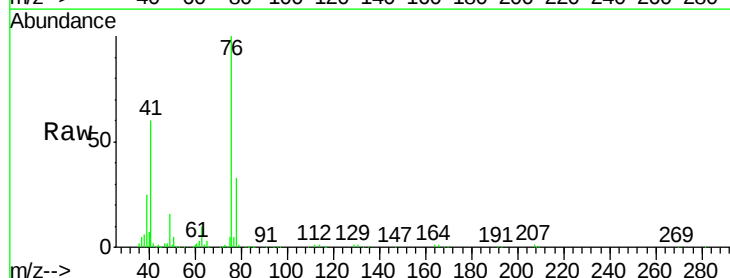
Manual Integrations
APPROVED

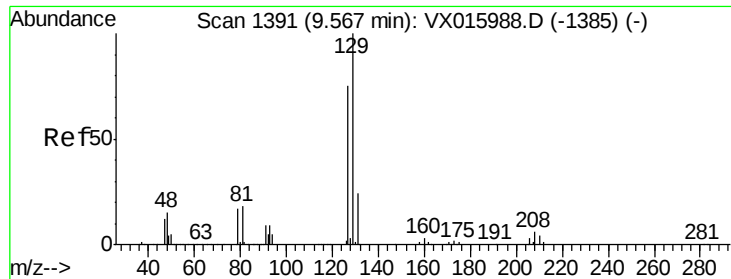
MMDadoda
5/4/2020 3:10:20 PM



#52
1,3-Dichloropropane
Concen: 18.974 ug/l
RT: 9.35 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VX015994.D
Acq: 30 Apr 2020 14:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
76	100		107141		
78	32.6		0.0	64.2	





#53

Dibromochloromethane

Concen: 18.087 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

Instrument :

MSVOA_X

ClientSampled :

VX0430WBS01

Tot Ion:129 Resp: 67216

Ion Ratio Lower Upper

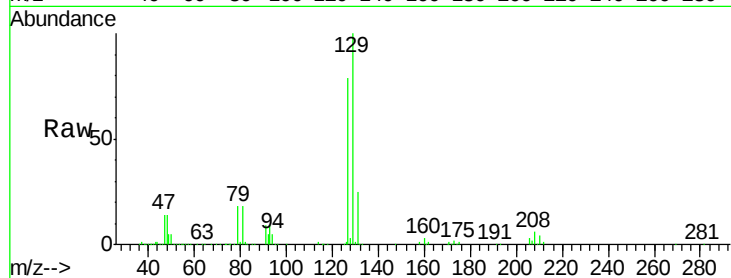
129 100

127 77.5 38.3 114.9

Manual Integrations
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5/4/2020 3:10:20 PM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

9.57

50000

40000

30000

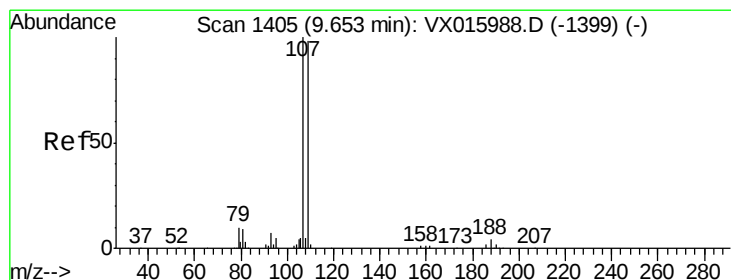
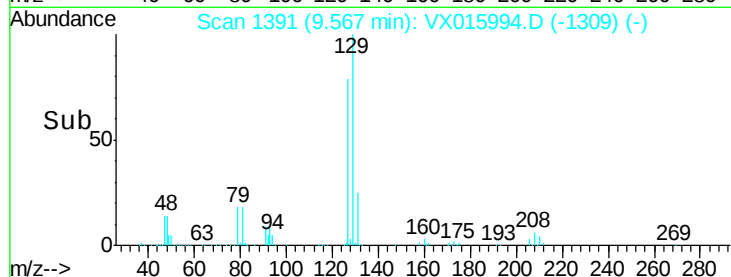
20000

10000

0

9.50 9.55 9.60

Time-->



#54

1,2-Dibromoethane

Concen: 18.407 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX015994.D

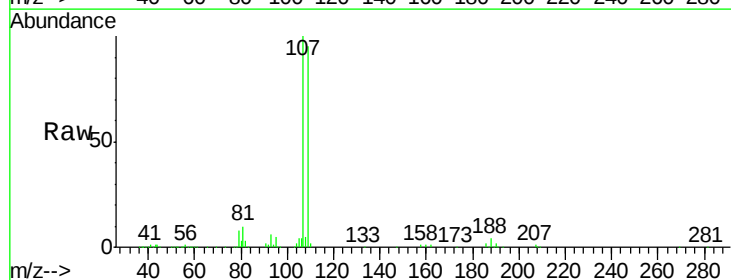
Acq: 30 Apr 2020 14:41

Tgt Ion:107 Resp: 66080

Ion Ratio Lower Upper

107 100

109 94.6 74.7 112.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.65

50000

40000

30000

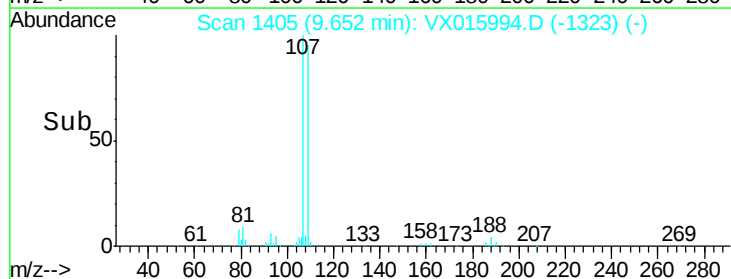
20000

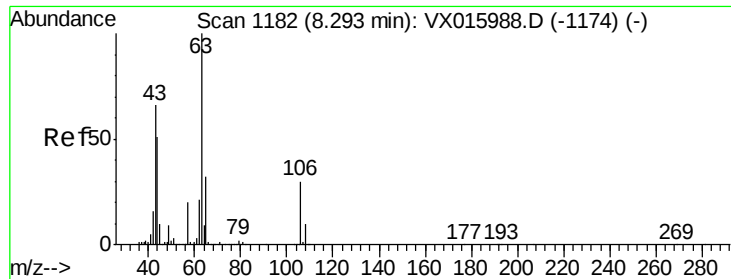
10000

0

9.60 9.65 9.70

Time-->





#55

2-Chloroethyl vinyl ether

Concen: 83.416 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0430WBS01

Tot Ion: 63 Resp: 244781

Ion Ratio Lower Upper

63 100

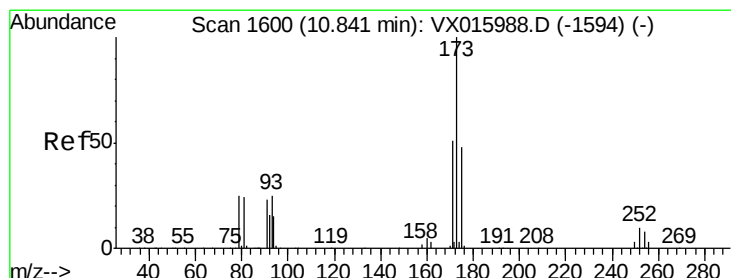
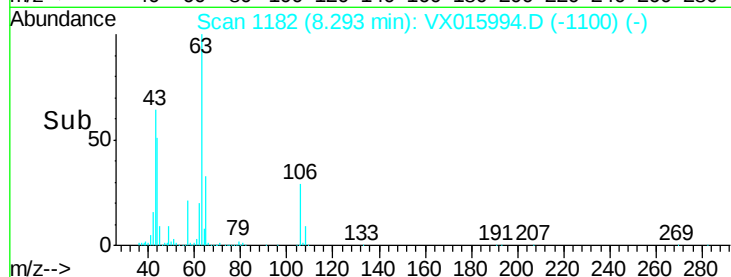
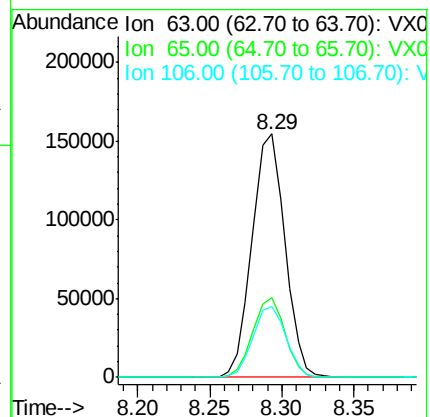
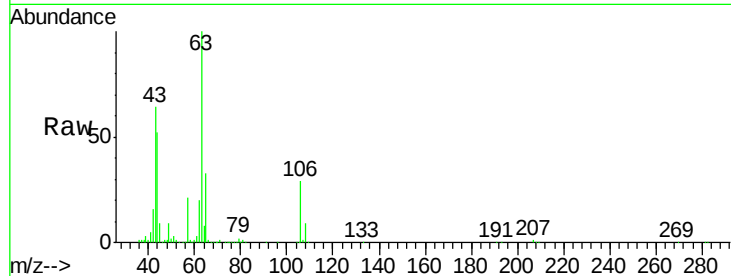
65 32.3 25.6 38.4

106 29.6 23.4 35.0

Manual Integrations
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MMDadoda

5/4/2020 3:10:20 PM



#56

Bromoform

Concen: 17.363 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

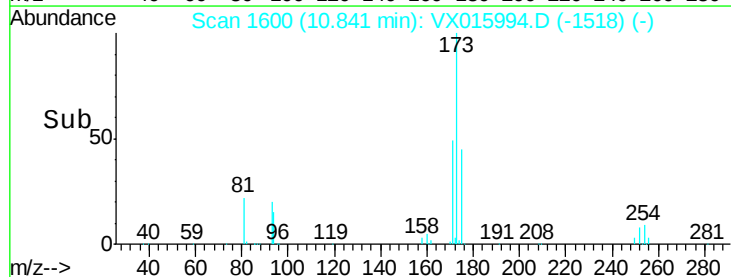
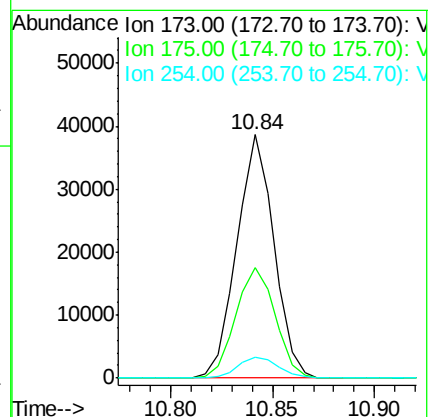
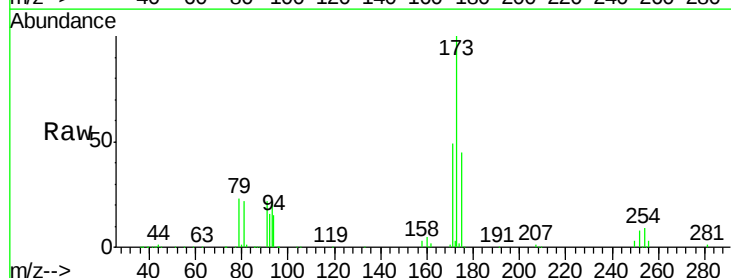
Tgt Ion: 173 Resp: 48617

Ion Ratio Lower Upper

173 100

175 48.4 38.0 57.0

254 9.3 6.8 10.2





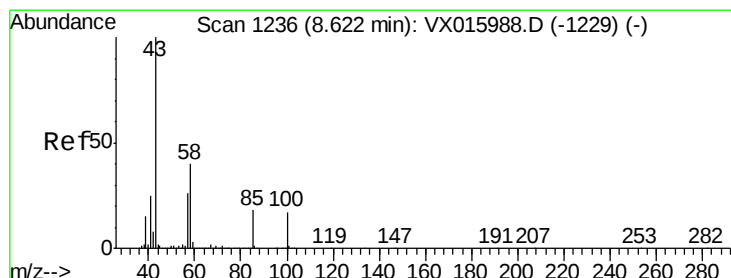
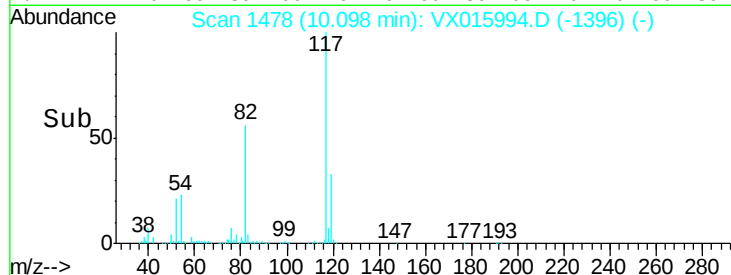
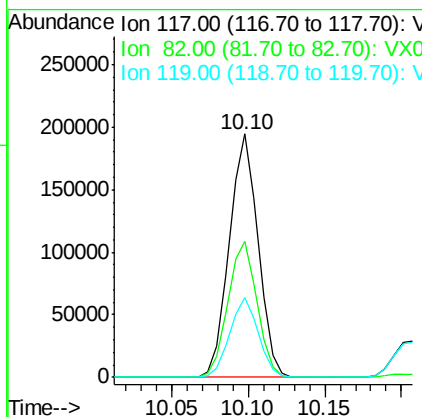
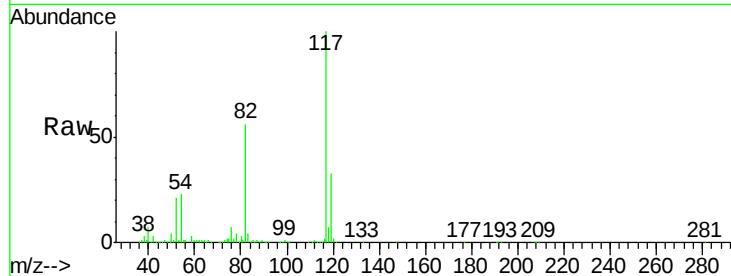
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX015994.D
Acq: 30 Apr 2020 14:41

Instrument :
MSVOA_X
ClientSampled :
VX0430WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	253390		
82	56.3	45.1	67.7	
119	32.6	25.6	38.4	

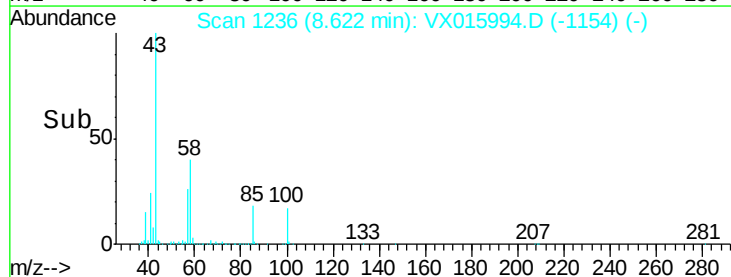
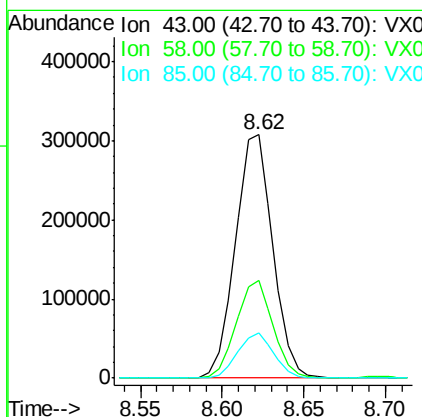
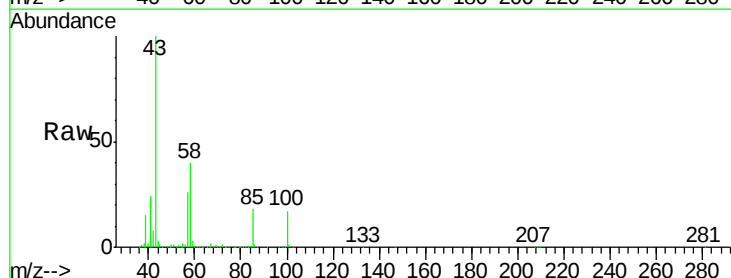
Manual Integrations
APPROVED

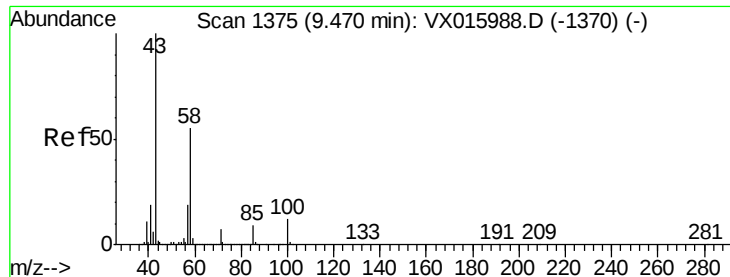
MMDadoda
5/4/2020 3:10:20 PM



#58
4-Methyl-2-Pentanone
Concen: 97.777 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX015994.D
Acq: 30 Apr 2020 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	488581		
58	39.5	31.8	47.6	
85	18.1	14.5	21.7	





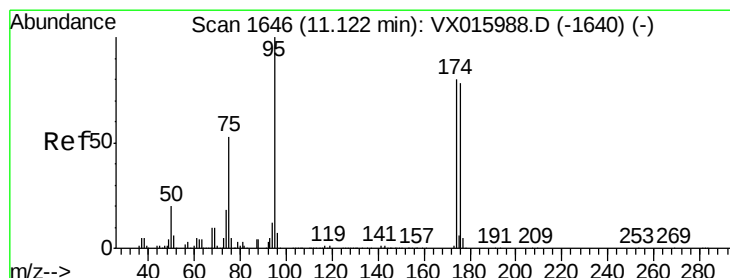
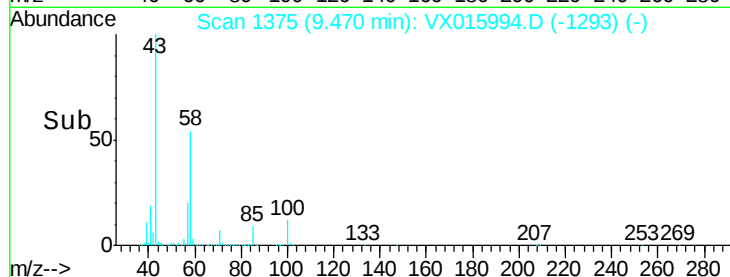
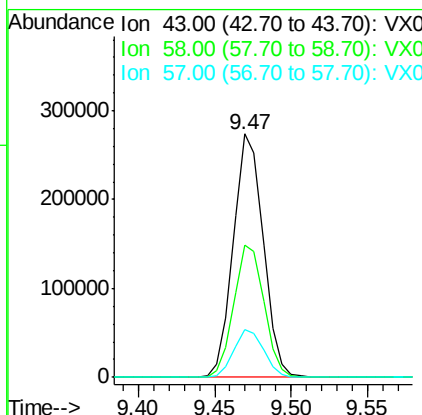
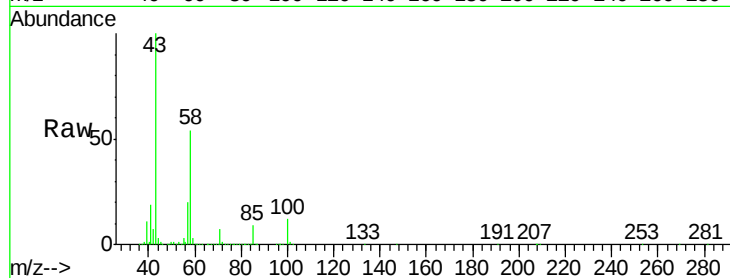
#59
2-Hexanone
Concen: 96.508 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX015994.D
Acq: 30 Apr 2020 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0430WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.8	44.0	66.0
57	19.7	15.5	23.3

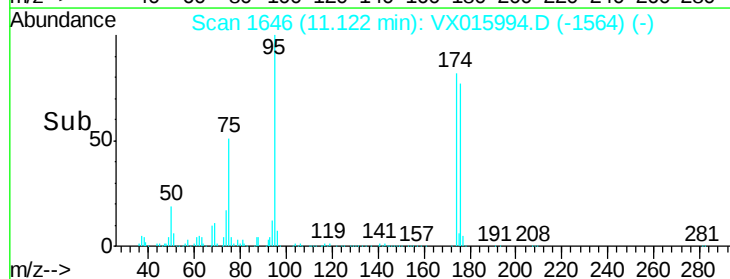
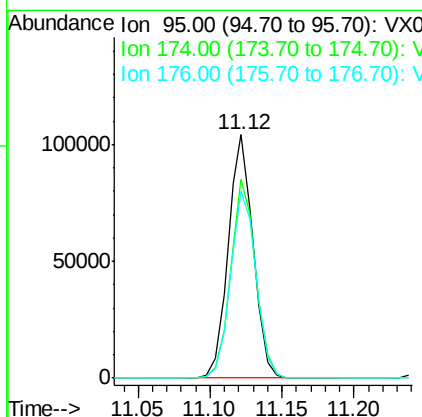
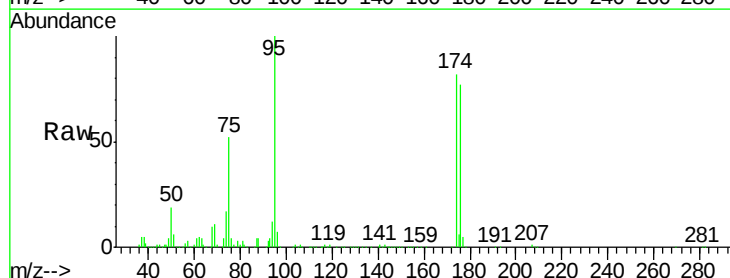
Manual Integrations
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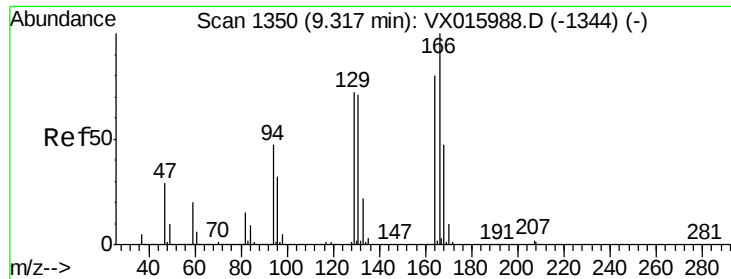
MMDadoda
5/4/2020 3:10:20 PM



#60
4-Bromofluorobenzene
Concen: 29.829 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX015994.D
Acq: 30 Apr 2020 14:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.6	64.8	97.2
176	78.9	62.4	93.6





#61

Tetrachloroethene

Concen: 20.283 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0430WBS01

Tot Ion:164 Resp: 101665

Ion Ratio Lower Upper

164 100

166 124.9 100.1 150.1

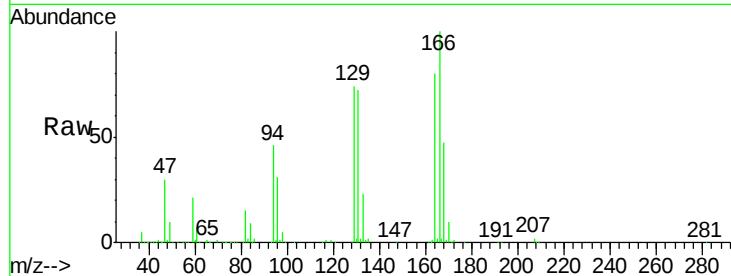
129 92.0 72.2 108.4

131 89.6 71.3 106.9

Manual Integrations
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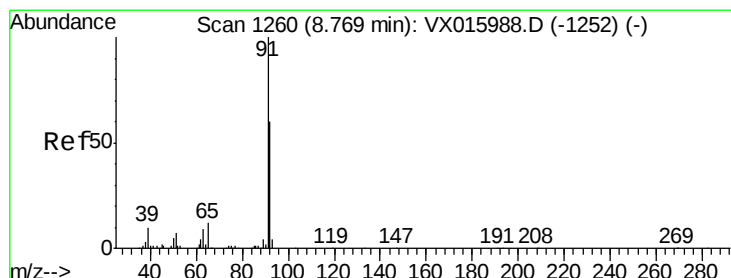
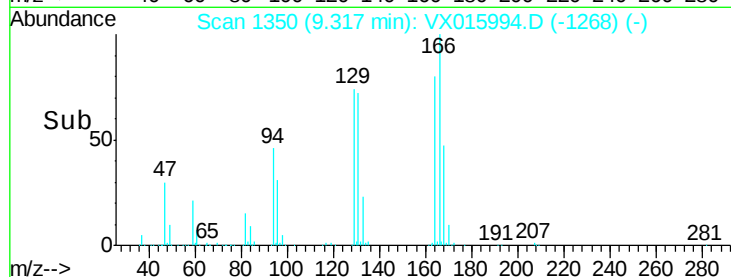
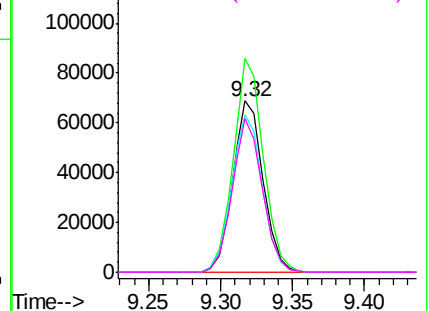


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.398 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX015994.D

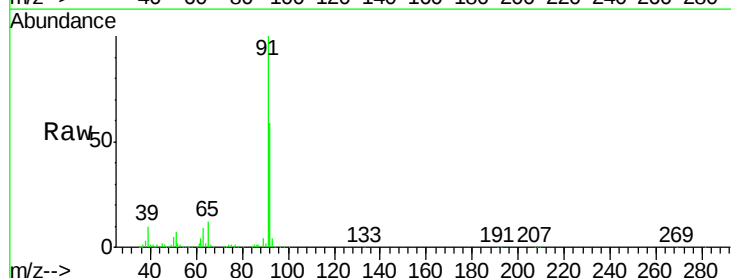
Acq: 30 Apr 2020 14:41

Tgt Ion: 91 Resp: 262596

Ion Ratio Lower Upper

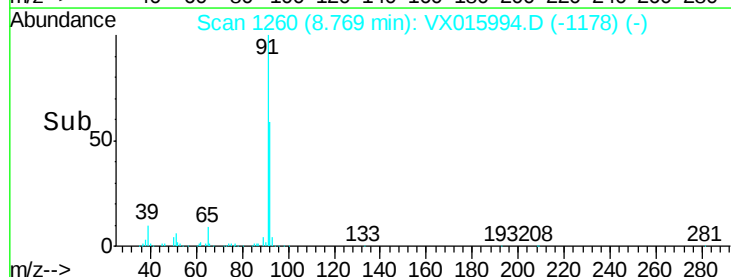
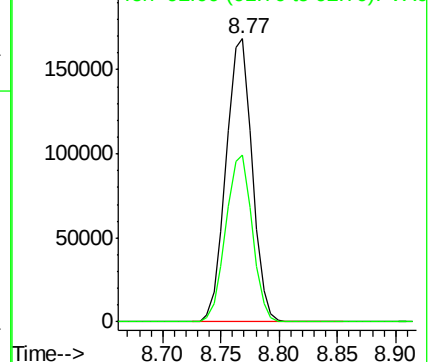
91 100

92 59.5 47.2 70.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.750 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

Instrument :

MSVOA_X

ClientSampled :

VX0430WBS01

Tot Ion: 98 Resp: 334253

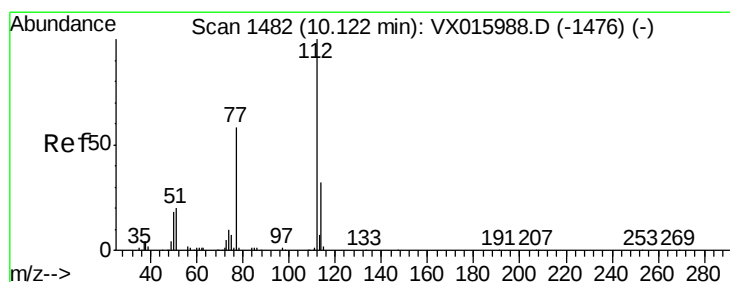
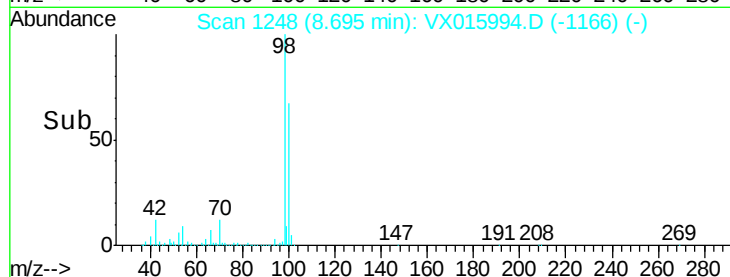
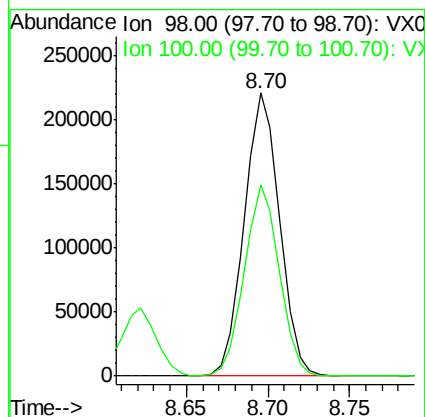
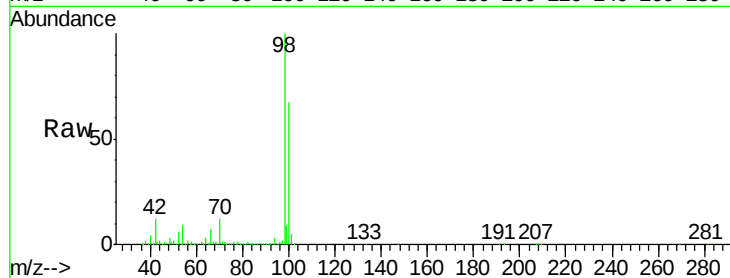
Ion Ratio Lower Upper

98 100

100 66.6 52.5 78.7

Manual Integrations
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#64

Chlorobenzene

Concen: 19.096 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX015994.D

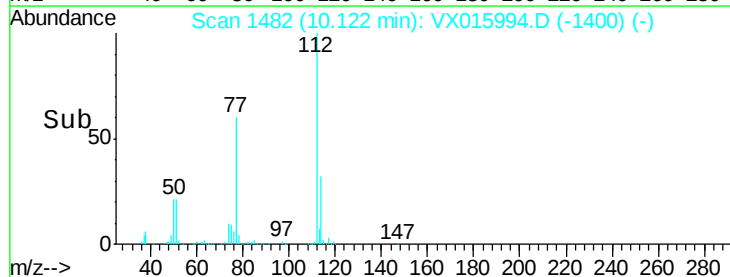
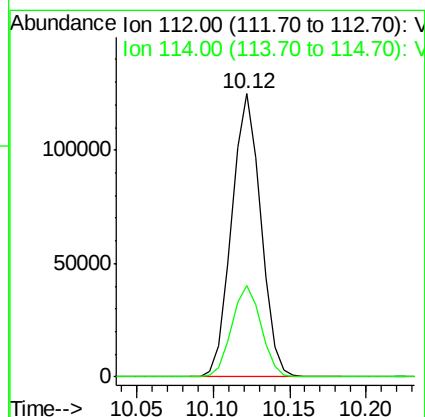
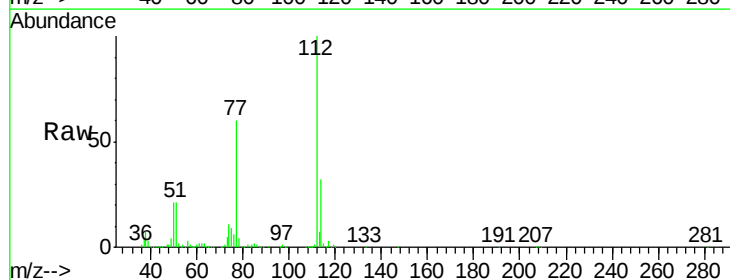
Acq: 30 Apr 2020 14:41

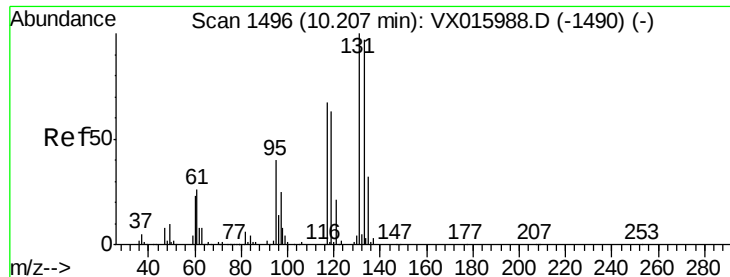
Tgt Ion: 112 Resp: 164596

Ion Ratio Lower Upper

112 100

114 32.3 25.8 38.6





#65

1,1,1,2-Tetrachloroethane

Concen: 19.230 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

Instrument :

MSVOA_X

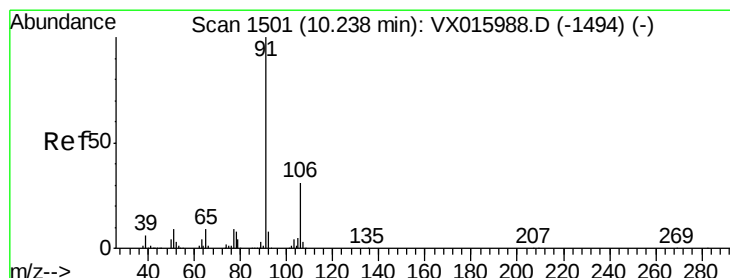
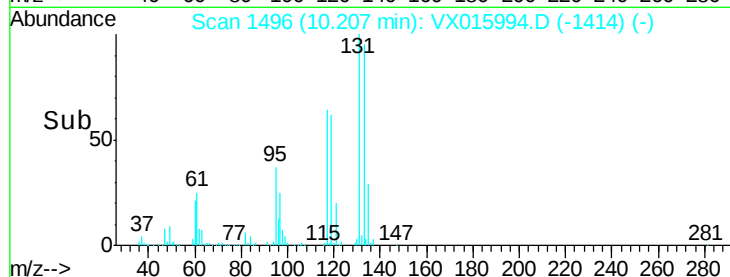
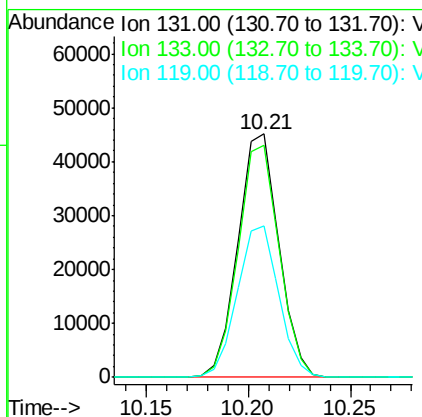
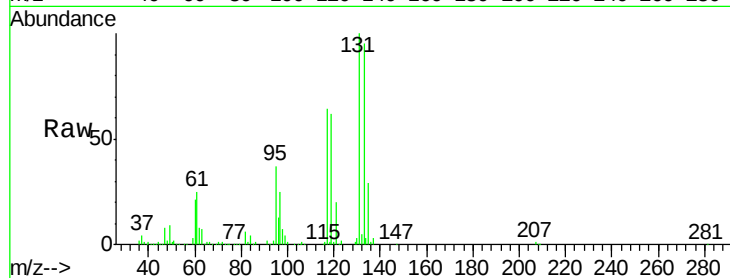
ClientSampleId :

VX0430WBS01

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.6	0.0	187.0
119	63.1	0.0	129.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.125 ug/l

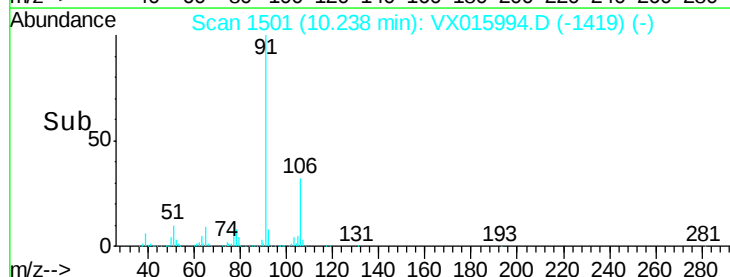
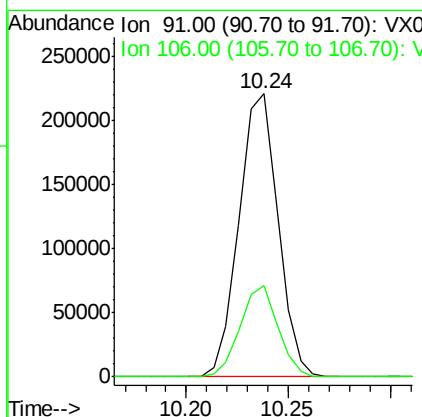
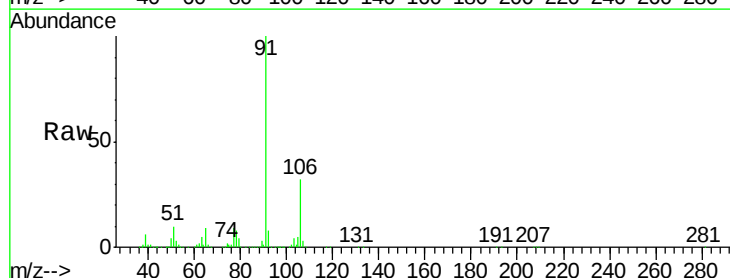
RT: 10.24 min Scan# 1501

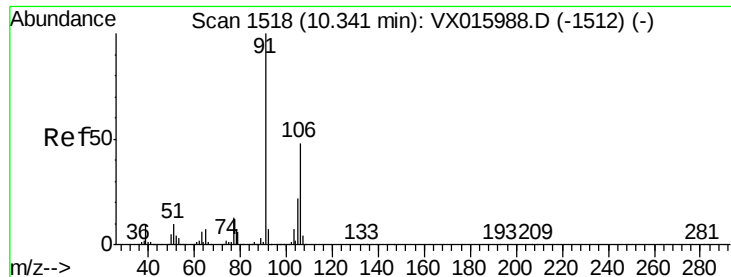
Delta R.T. -0.00 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.4	24.8	37.2





#67

m/p-Xvlenes

Concen: 37.999 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0430WBS01

Tot Ion:106 Resp: 223140

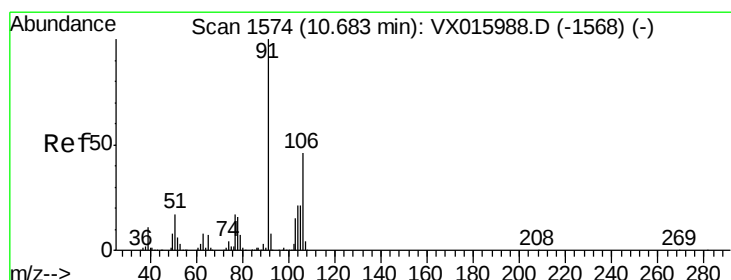
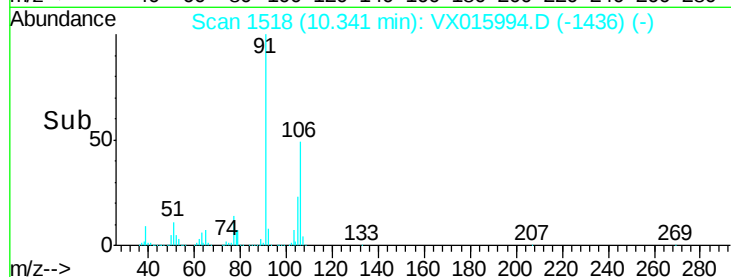
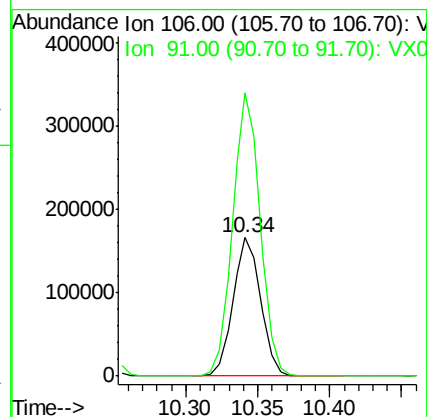
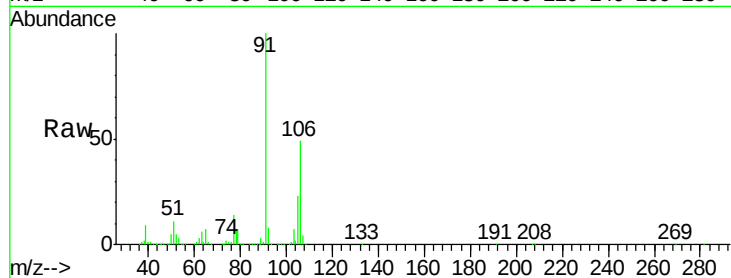
Ion Ratio Lower Upper

106 100

91 203.8 164.2 246.4

Manual Integrations
APPROVED

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#68

o-Xylene

Concen: 18.939 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX015994.D

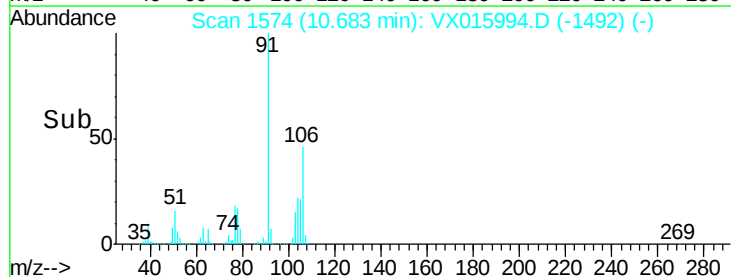
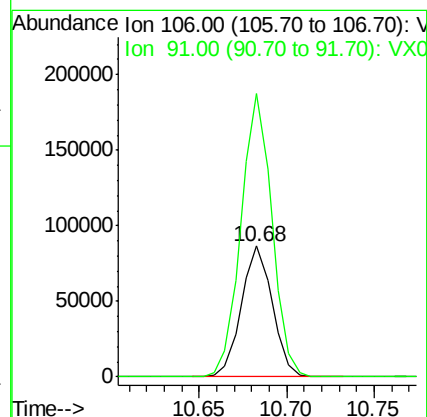
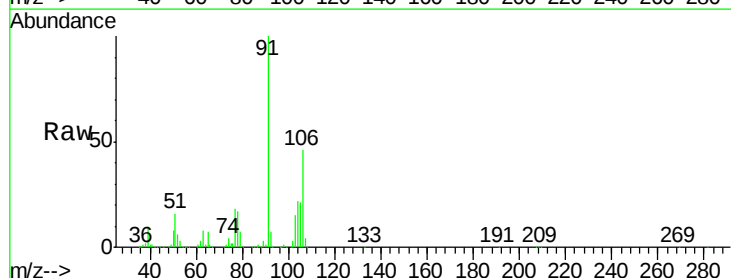
Acq: 30 Apr 2020 14:41

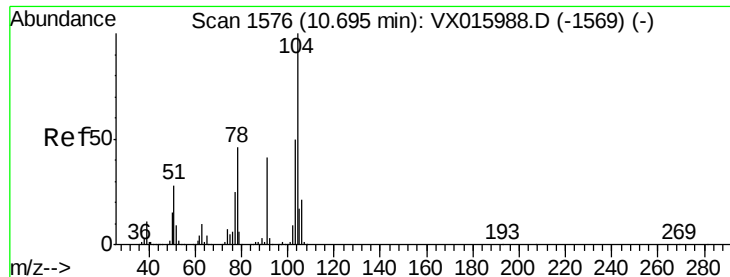
Tgt Ion:106 Resp: 107249

Ion Ratio Lower Upper

106 100

91 213.9 108.3 325.0





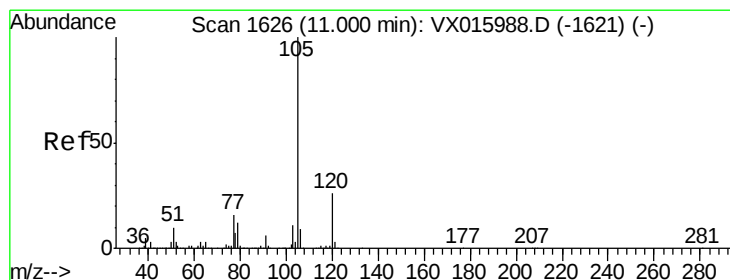
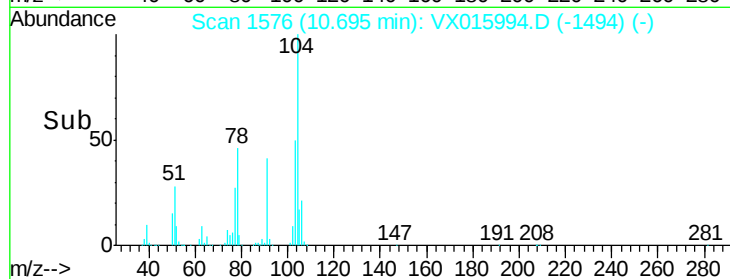
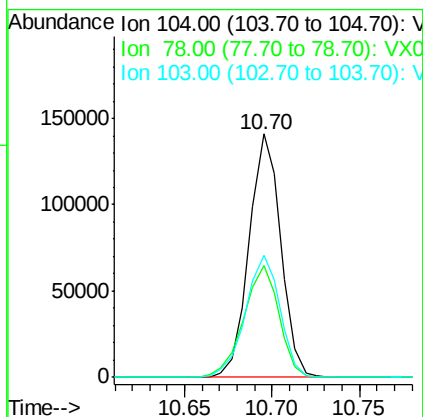
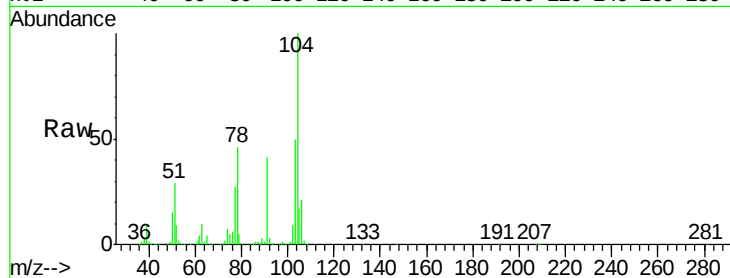
#69
Stvrene
Concen: 18.491 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX015994.D
Acq: 30 Apr 2020 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0430WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.2	40.7	61.1
103	54.6	43.0	64.4

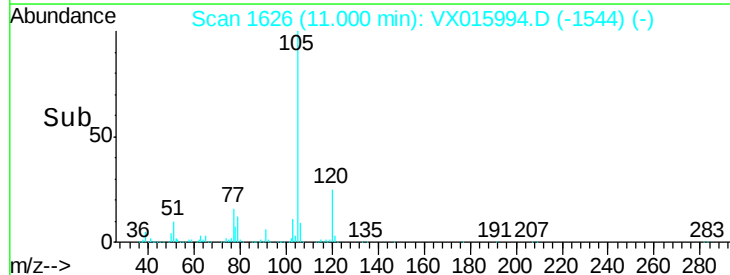
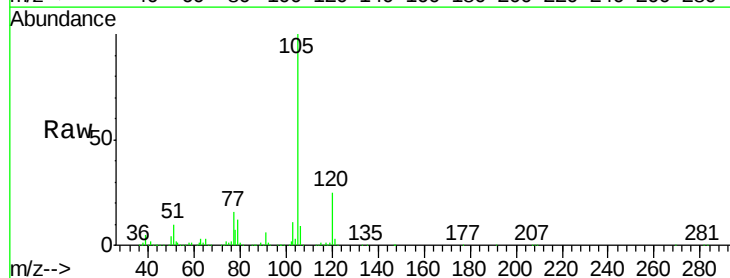
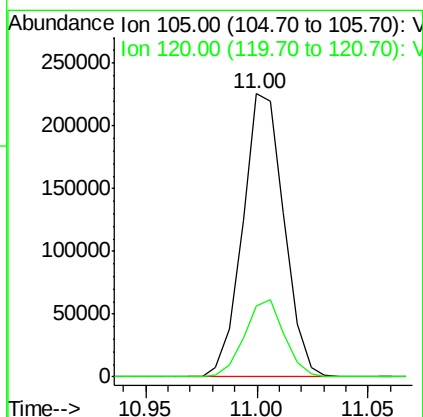
Manual Integrations
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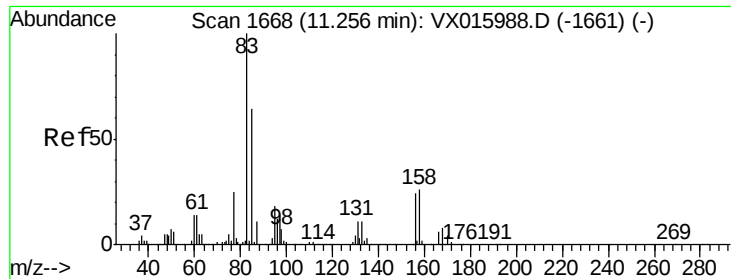
MMDadoda
5/4/2020 3:10:20 PM



#70
Isopropylbenzene
Concen: 19.083 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VX015994.D
Acq: 30 Apr 2020 14:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.4	18.6	34.5





#71

1,1,2,2-Tetrachloroethane

Concen: 17.073 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0430WBS01

Tot Ion: 83 Resp: 48525

Ion Ratio Lower Upper

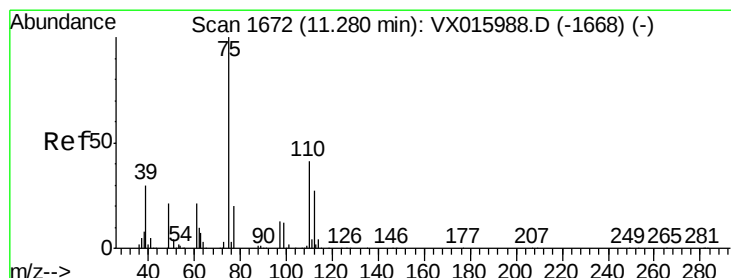
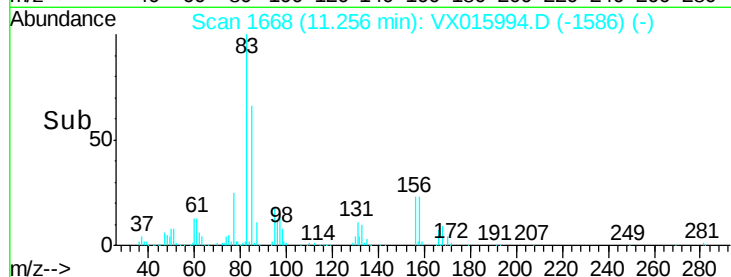
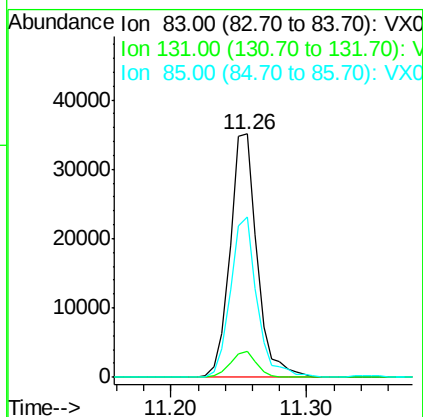
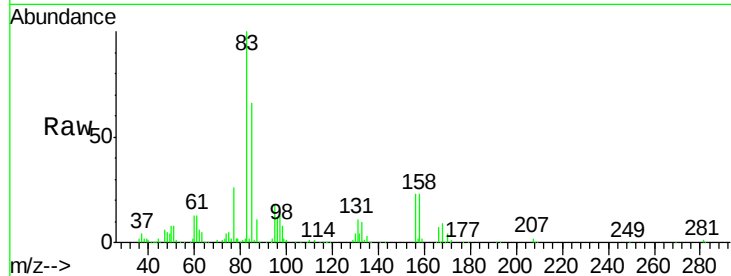
83 100

131 10.4 5.2 15.6

85 65.0 33.0 98.9

Manual Integrations
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#72

1,2,3-Trichloropropane

Concen: 19.436 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX015994.D

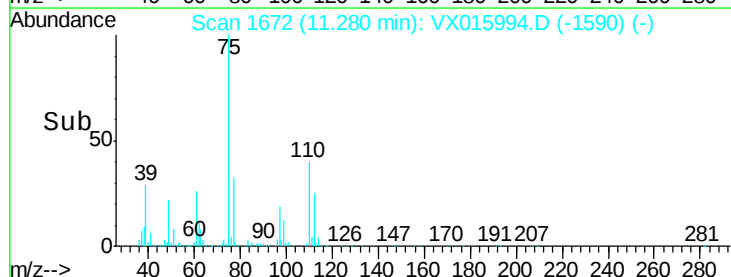
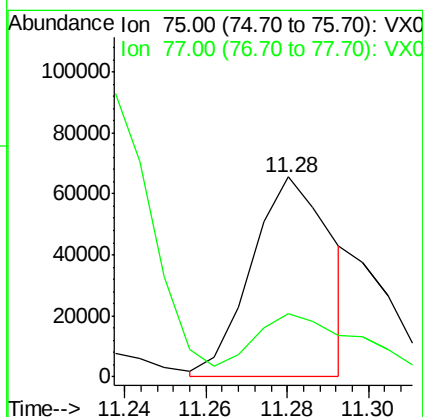
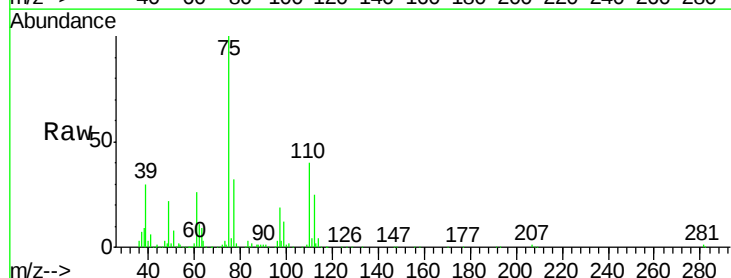
Acq: 30 Apr 2020 14:41

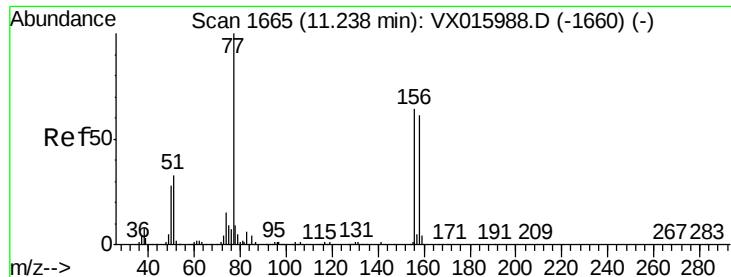
Tgt Ion: 75 Resp: 89469

Ion Ratio Lower Upper

75 100

77 42.1 0.0 86.0





#73

Bromobenzene

Concen: 18.453 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

Instrument :

MSVOA_X

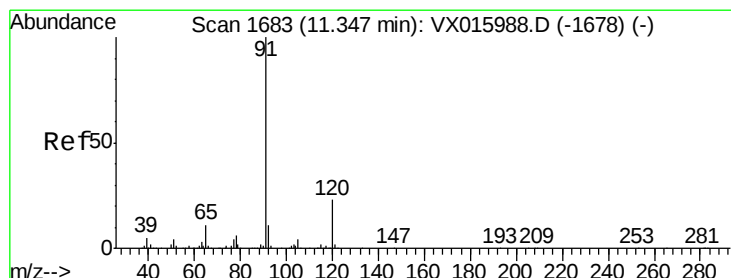
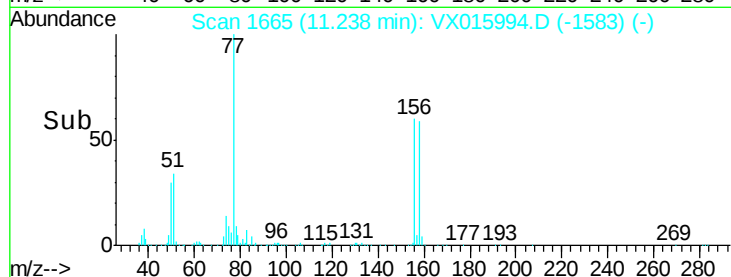
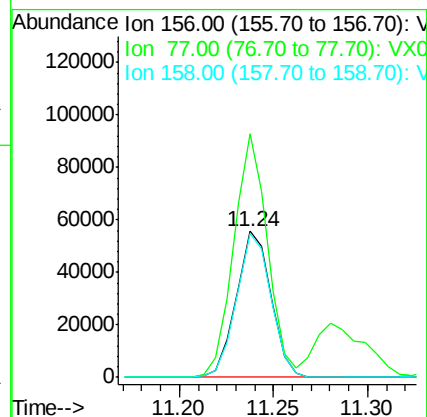
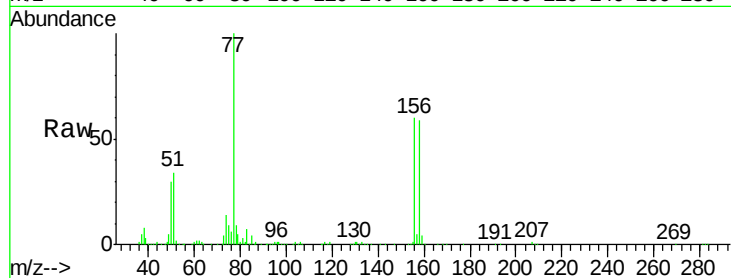
ClientSampleId :

VX0430WBS01

Tot Ion:	156	Resp:	71095
Ion Ratio	Lower	Upper	
156	100		
77	161.1	0.0	318.0
158	98.1	0.0	193.2

Manual Integrations
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#74

n-propylbenzene

Concen: 18.961 ug/l

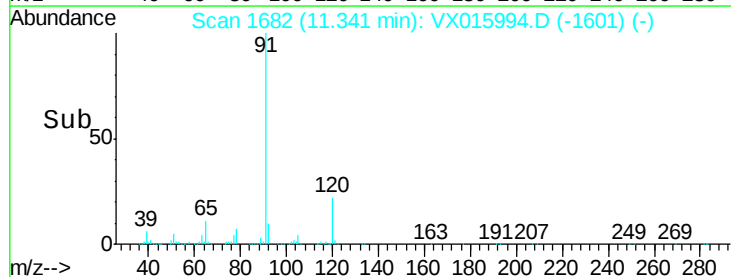
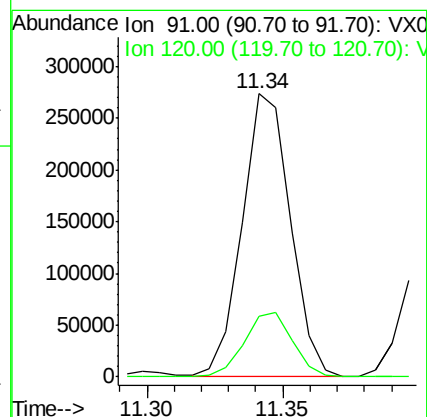
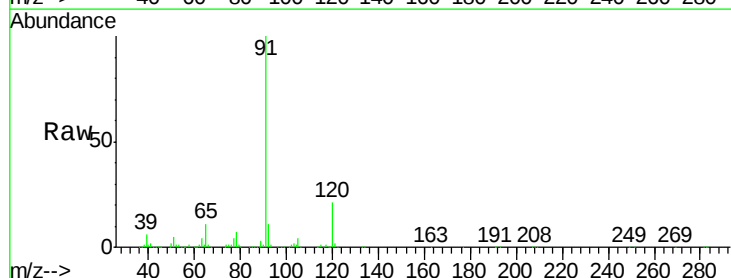
RT: 11.34 min Scan# 1682

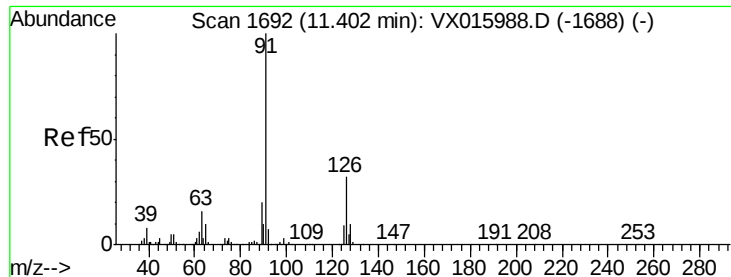
Delta R.T. -0.01 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

Tgt Ion:	91	Resp:	336720
Ion Ratio	Lower	Upper	
91	100		
120	22.8	0.0	45.4





#75

2-Chlorotoluene

Concen: 19.021 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0430WBS01

Tot Ion: 91 Resp: 198489

Ion Ratio Lower Upper

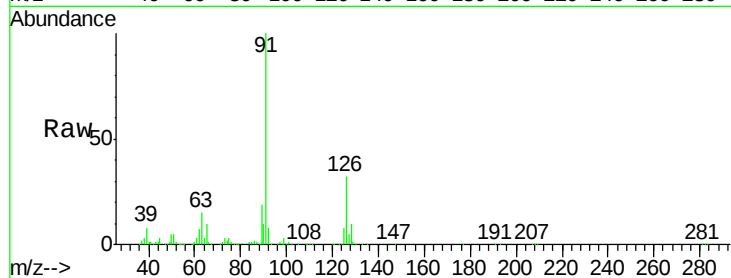
91 100

126 33.3 0.0 66.2

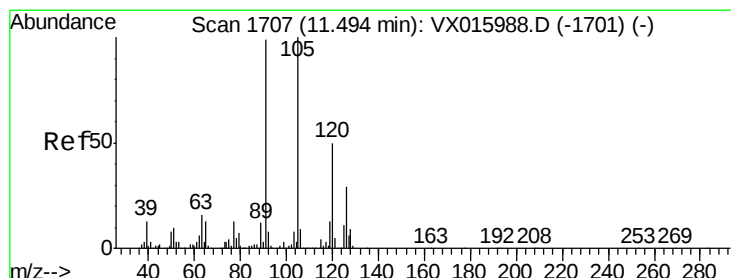
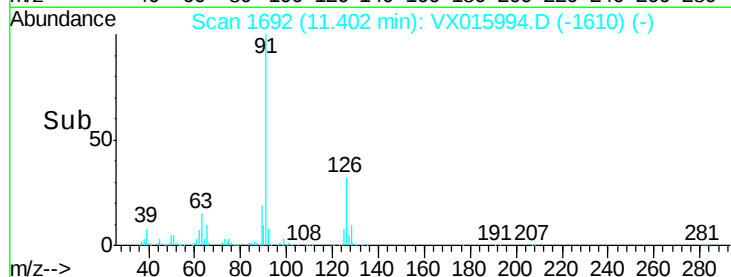
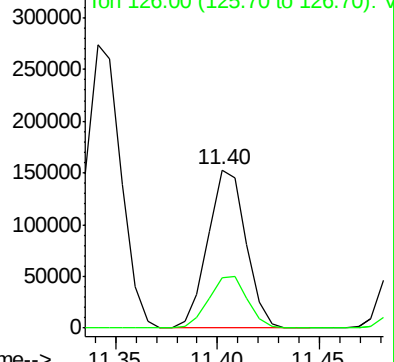
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX015988.D (-1688) (-)



#76

1,3,5-Trimethylbenzene

Concen: 18.894 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX015994.D

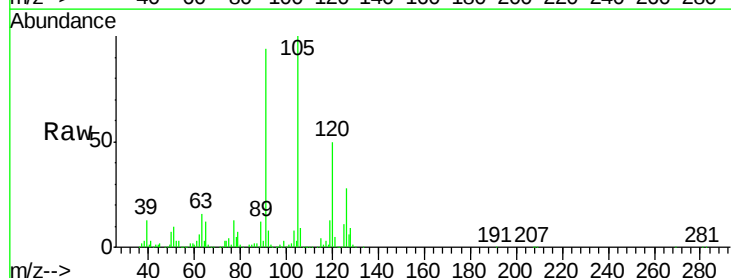
Acq: 30 Apr 2020 14:41

Tgt Ion: 105 Resp: 245198

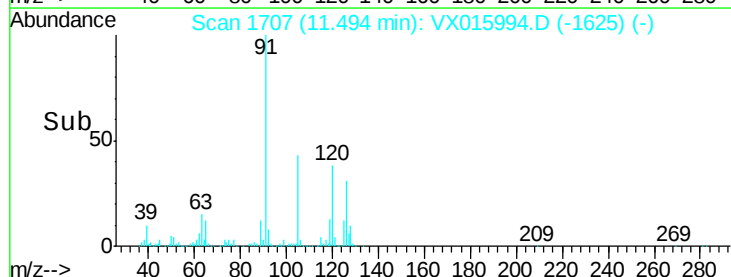
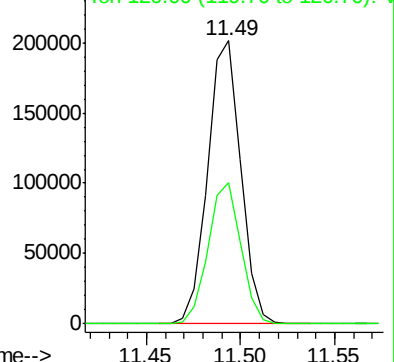
Ion Ratio Lower Upper

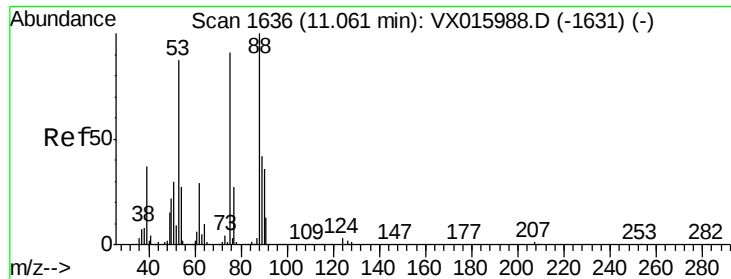
105 100

120 49.3 0.0 99.4



Abundance Ion 105.00 (104.70 to 105.70): VX015988.D (-1701) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 18.296 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

Instrument :

MSVOA_X

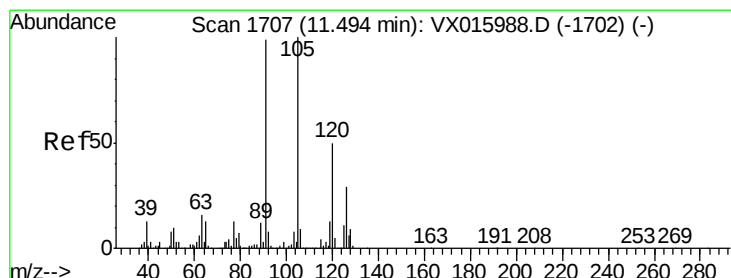
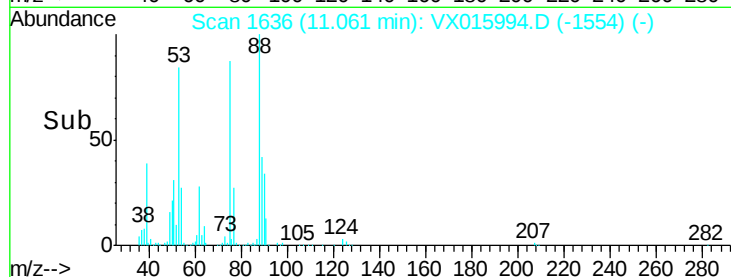
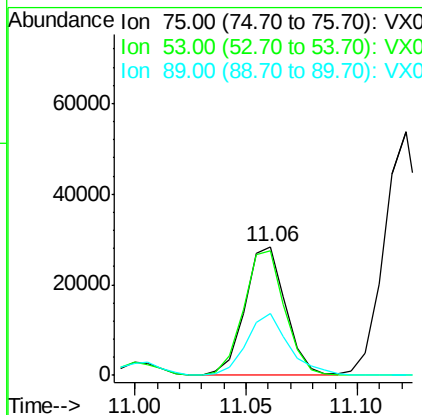
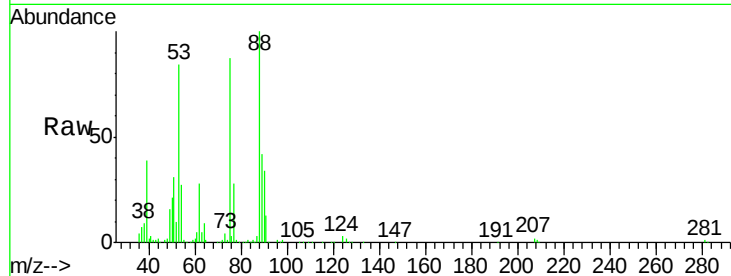
ClientSampleId :

VX0430WBS01

Tot Ion:	75	Resp:	36214
Ion	Ratio	Lower	Upper
75	100		
53	96.7	48.0	144.2
89	47.9	23.4	70.3

Manual Integrations
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#78

4-Chlorotoluene

Concen: 18.748 ug/l

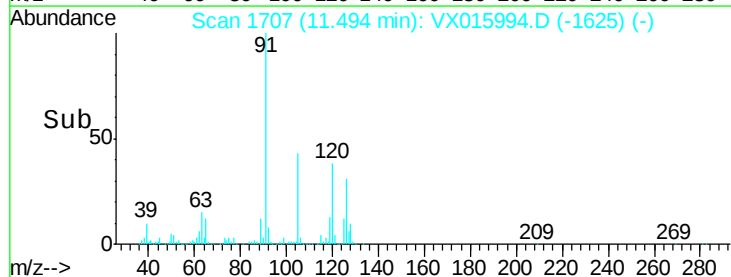
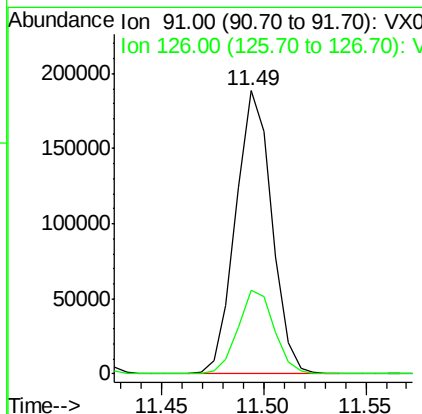
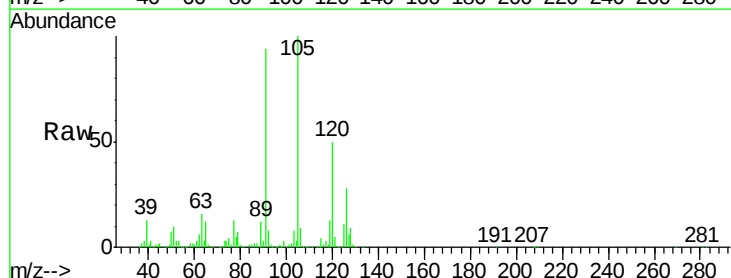
RT: 11.49 min Scan# 1707

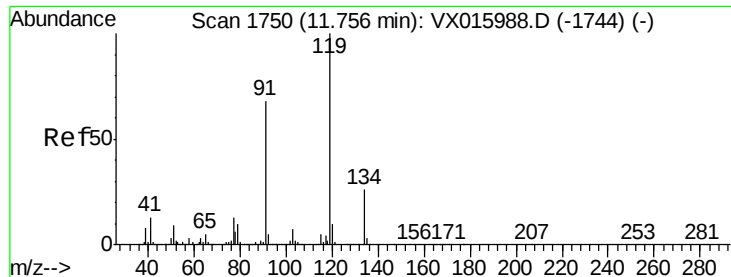
Delta R.T. -0.00 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

Tgt Ion:	91	Resp:	231584
Ion	Ratio	Lower	Upper
91	100		
126	29.7	0.0	58.4





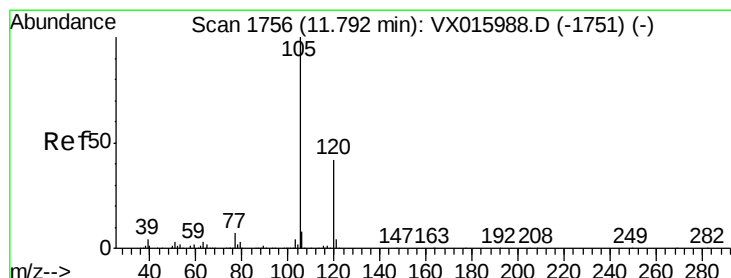
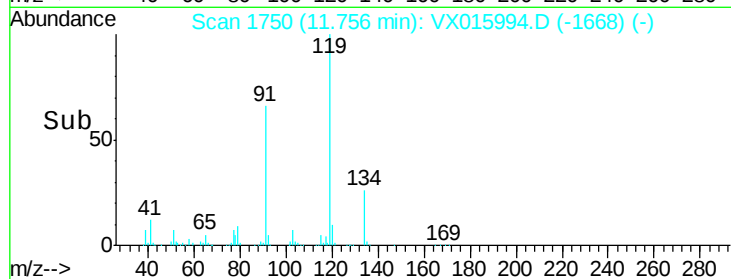
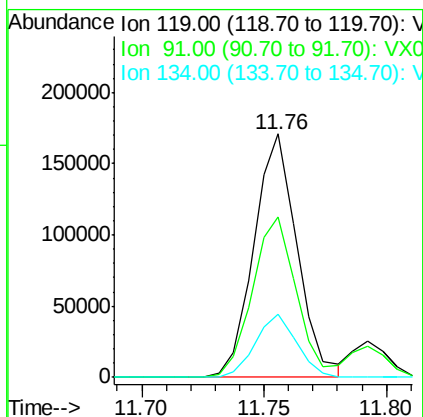
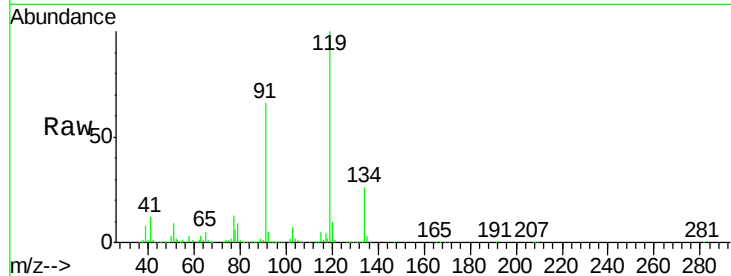
#79
tert-butylbenzene
Concen: 18.868 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX015994.D
Acq: 30 Apr 2020 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0430WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	209130		
91	66.4	0.0	135.6	
134	25.1	0.0	51.0	

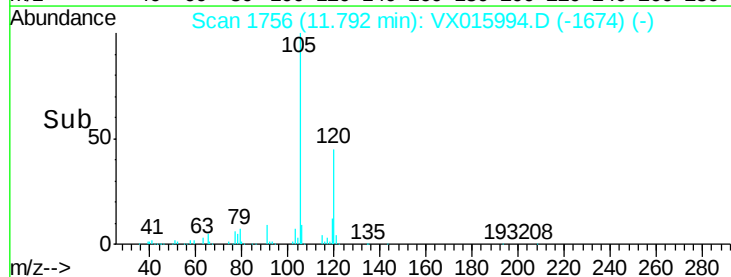
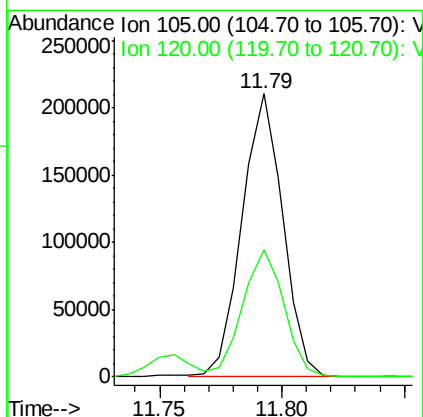
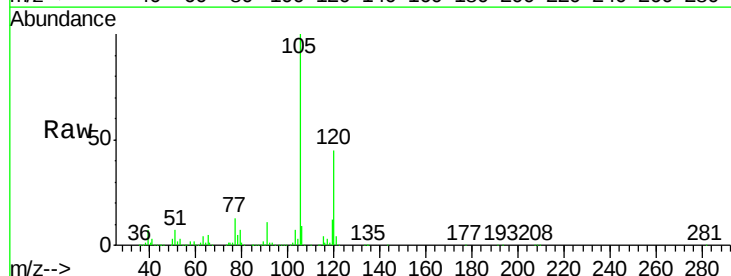
Manual Integrations
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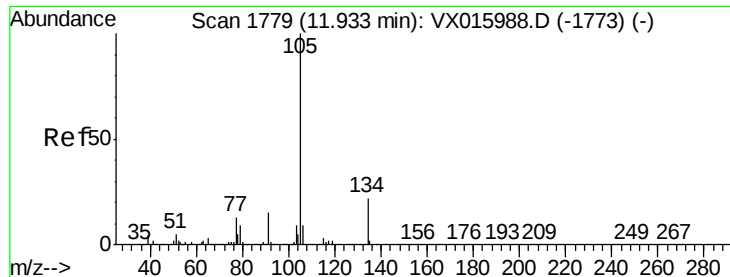
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 18.944 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX015994.D
Acq: 30 Apr 2020 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	245622		
120	45.4	0.0	91.0	





#81

sec-Butylbenzene

Concen: 19.027 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

Instrument :

MSVOA_X

ClientSampled :

VX0430WBS01

Tot Ion:105 Resp: 284432

Ion Ratio Lower Upper

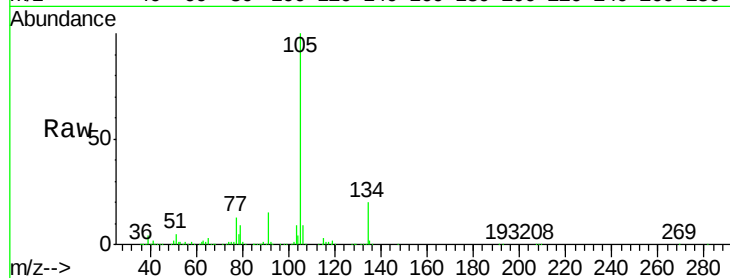
105 100

134 20.1 0.0 41.2

Manual Integrations
APPROVED

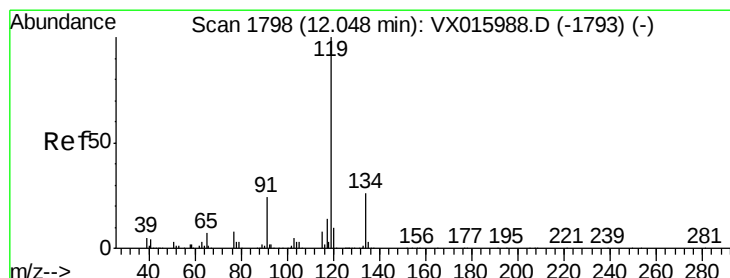
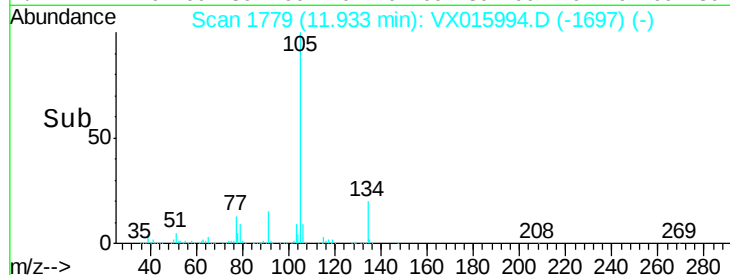
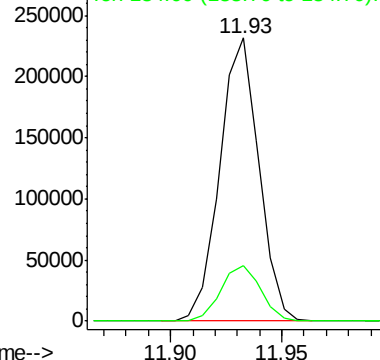
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 18.818 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX015994.D

Acq: 30 Apr 2020 14:41

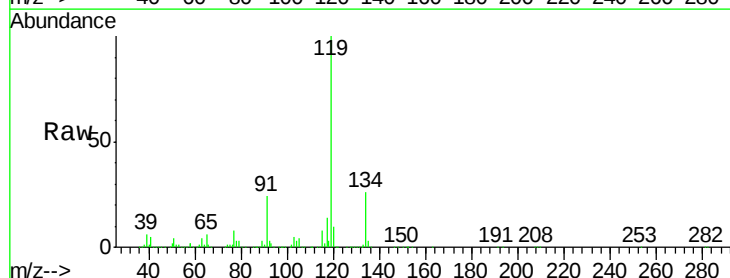
Tgt Ion:119 Resp: 260694

Ion Ratio Lower Upper

119 100

134 26.3 0.0 52.6

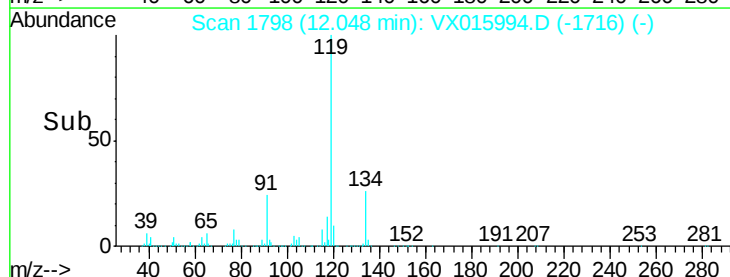
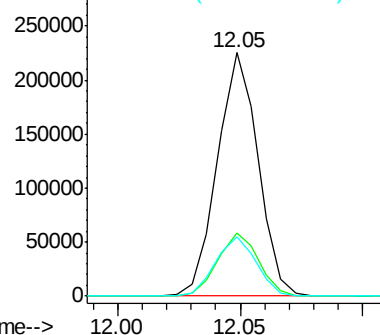
91 24.4 0.0 47.6

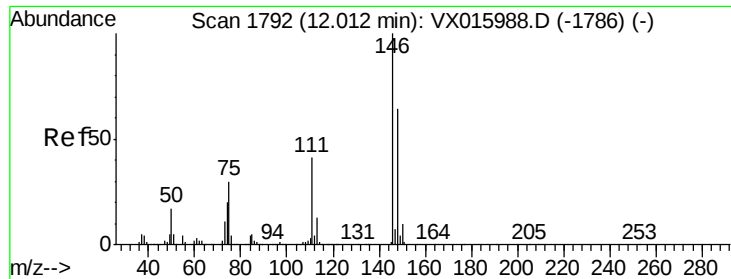


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





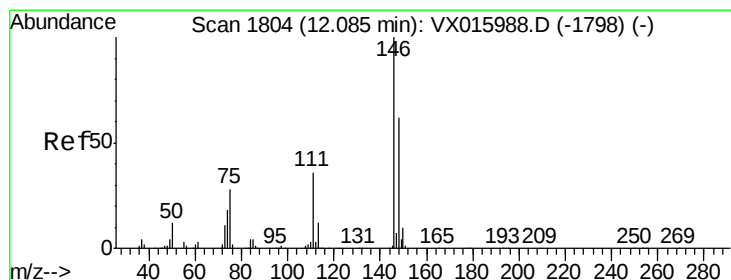
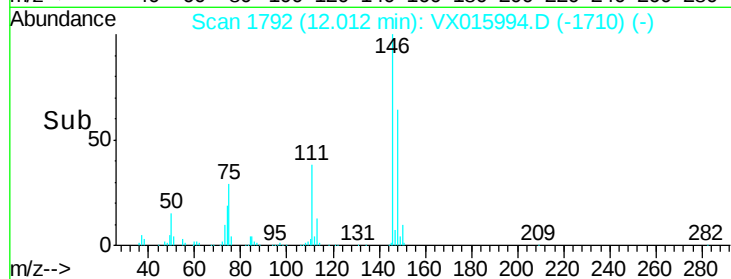
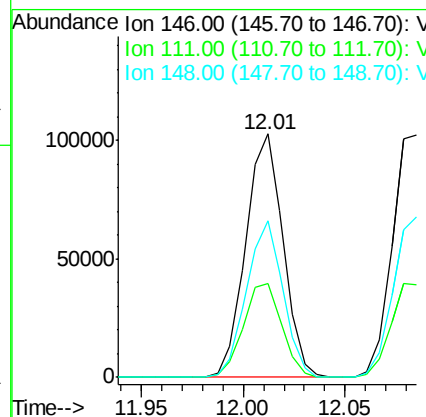
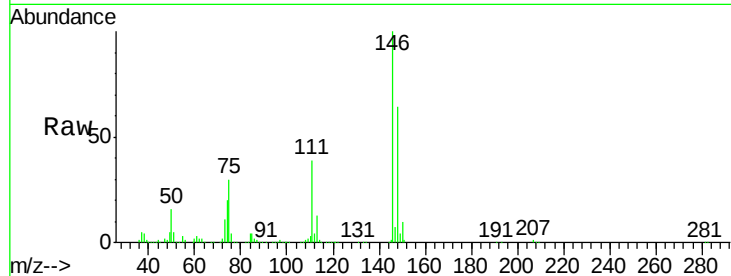
#83
 1,3-Dichlorobenzene
 Concen: 18.801 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX015994.D
 Acq: 30 Apr 2020 14:41

Instrument :
 MSVOA_X
 ClientSampled :
 VX0430WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.4	61.3
148	62.8	31.9	95.9

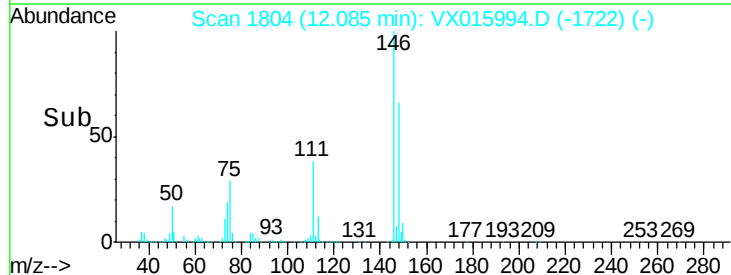
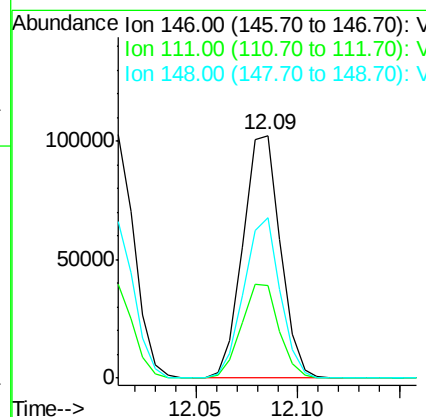
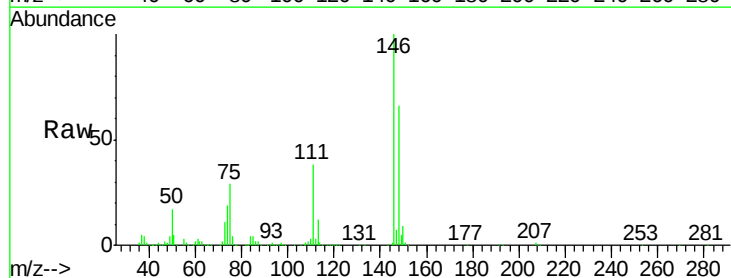
Manual Integrations
 APPROVED

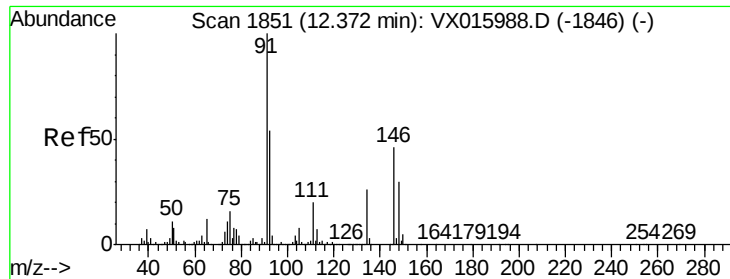
MMDadoda
 5/4/2020 3:10:20 PM



#84
 1,4-Dichlorobenzene
 Concen: 18.987 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VX015994.D
 Acq: 30 Apr 2020 14:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.7	59.0
148	63.9	32.0	96.0





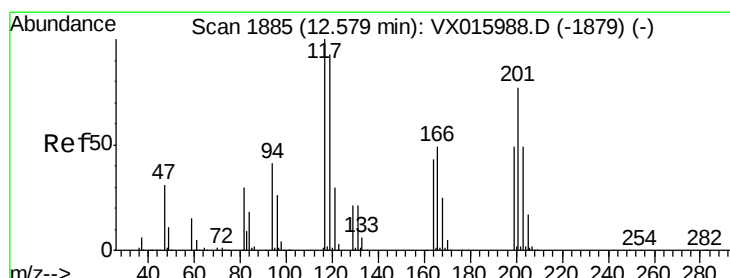
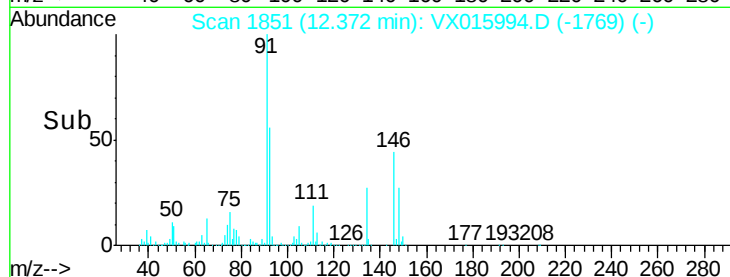
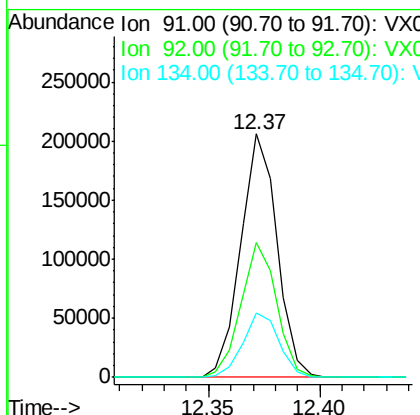
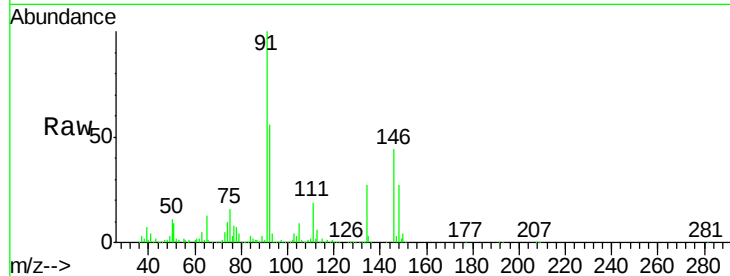
#85
n-Butylbenzene
Concen: 18.483 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX015994.D
Acq: 30 Apr 2020 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0430WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	233884		
92	54.6	0.0	110.2	
134	26.7	0.0	53.4	

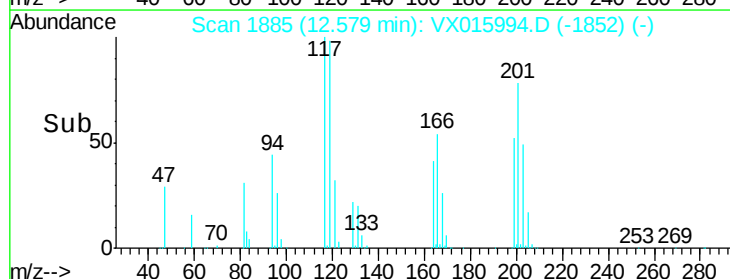
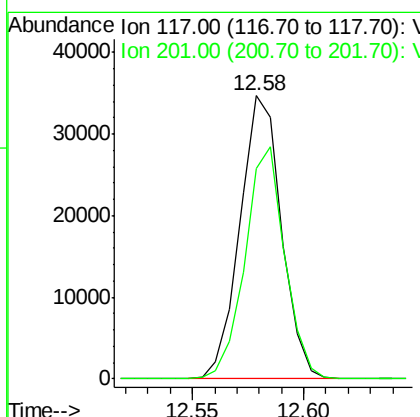
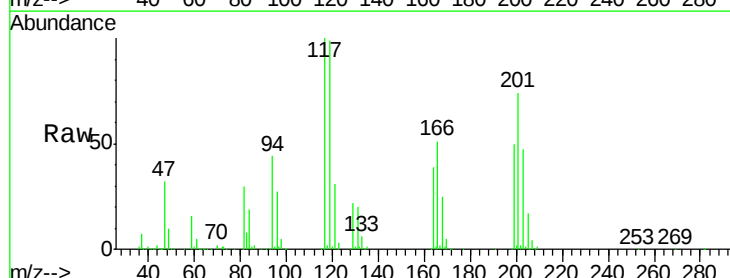
Manual Integrations
APPROVED

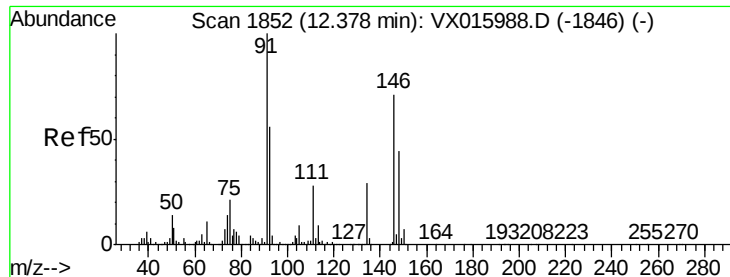
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#86
Hexachloroethane
Concen: 18.502 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX015994.D
Acq: 30 Apr 2020 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	45122		
201	78.4	40.1	120.2	





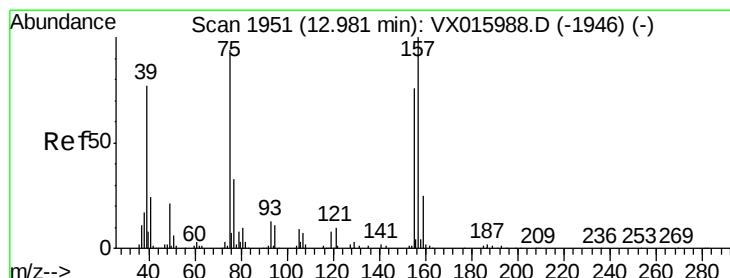
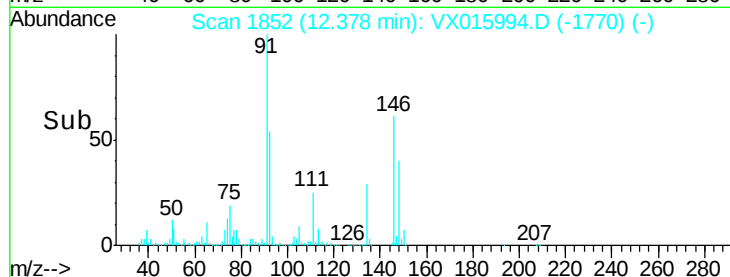
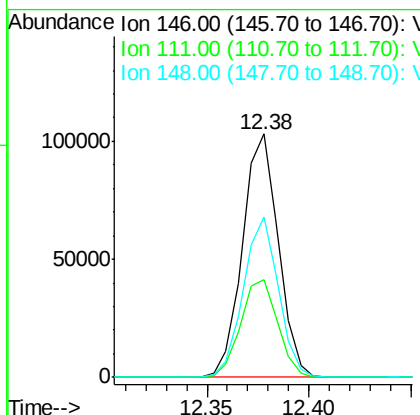
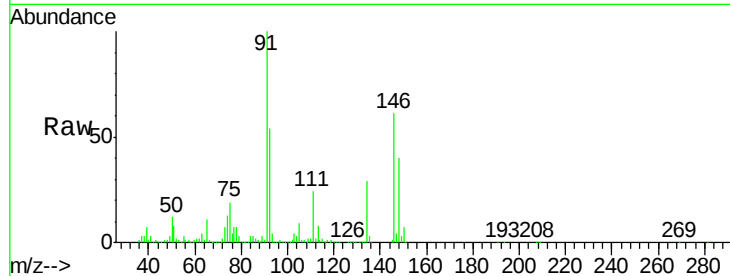
#87
 1,2-Dichlorobenzene
 Concen: 18.737 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX015994.D
 Acq: 30 Apr 2020 14:41

Instrument :
 MSVOA_X
 ClientSampled :
 VX0430WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	125871		
111	41.4	20.7	62.1	
148	64.5	32.0	96.2	

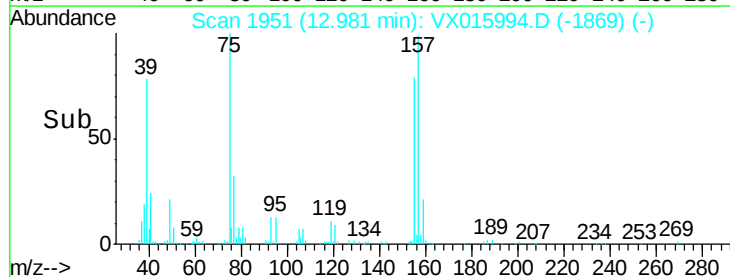
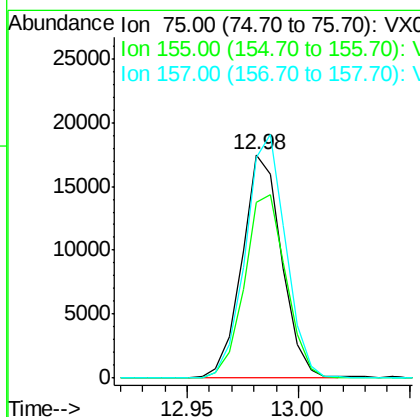
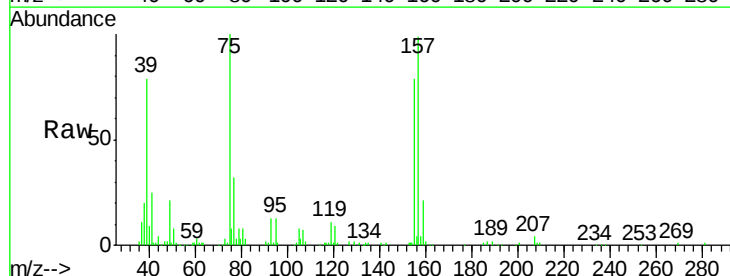
Manual Integrations
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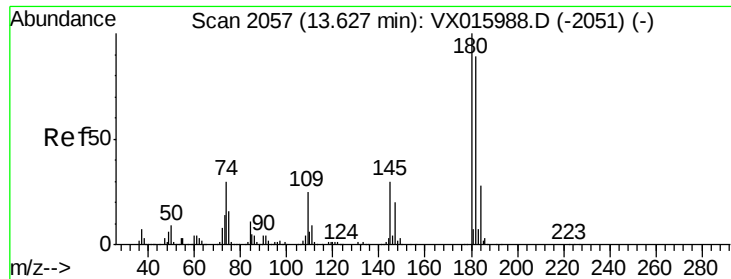
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.280 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX015994.D
 Acq: 30 Apr 2020 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21740		
155	85.3	66.9	100.3	
157	109.8	88.2	132.2	





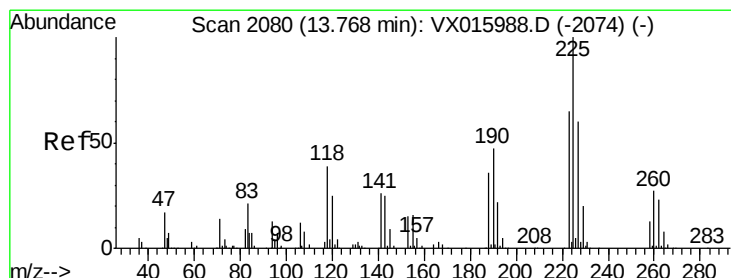
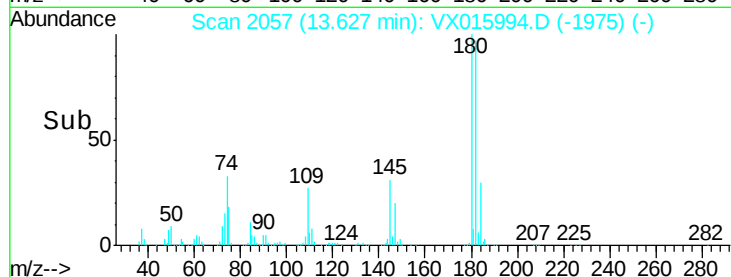
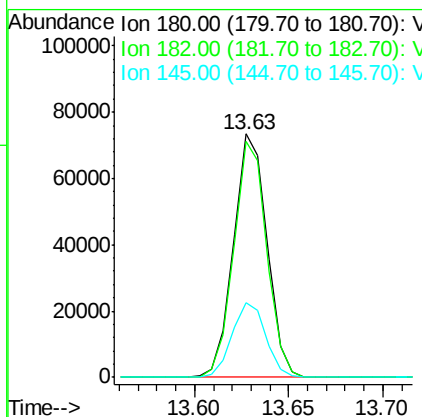
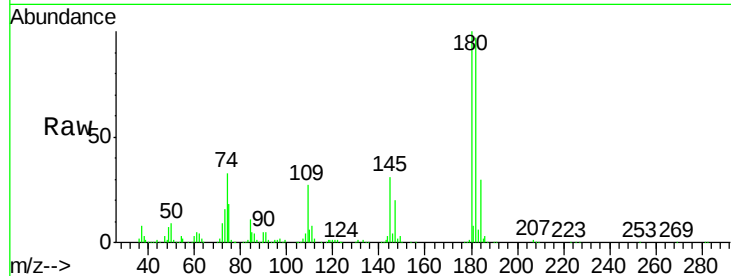
#89
 1,2,4-Trichlorobenzene
 Concen: 18.284 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX015994.D
 Acq: 30 Apr 2020 14:41

Instrument :
 MSVOA_X
 ClientSampled :
 VX0430WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.0	112.6
145	30.9	23.9	35.9

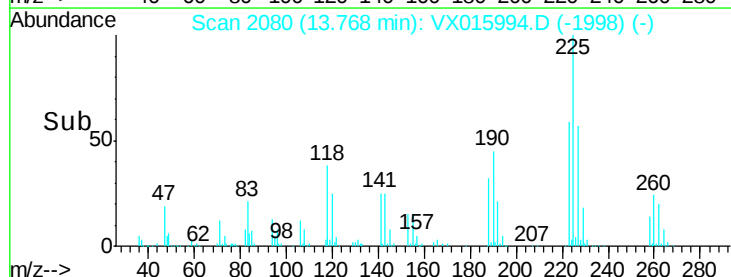
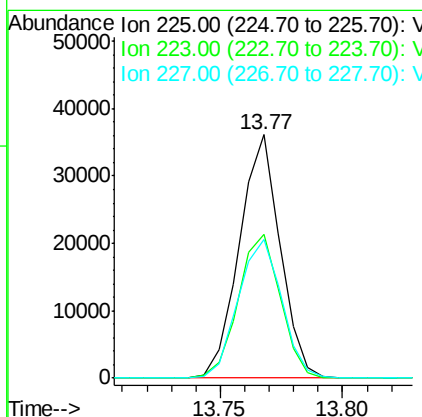
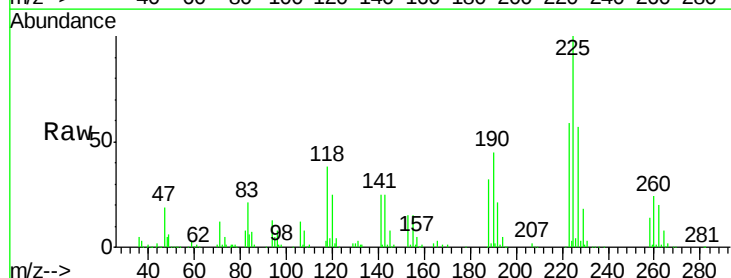
Manual Integrations
 APPROVED

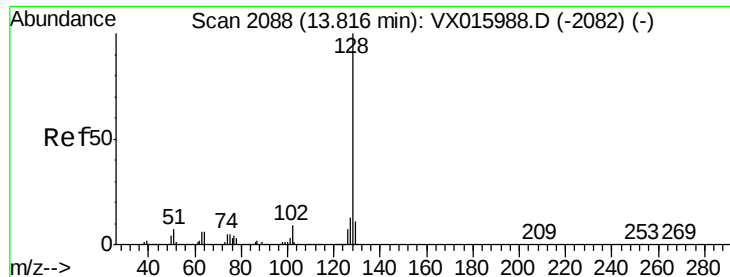
MMDadoda
 5/4/2020 3:10:20 PM



#90
 Hexachlorobutadiene
 Concen: 19.771 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX015994.D
 Acq: 30 Apr 2020 14:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	0.0	123.6
227	60.7	0.0	123.6





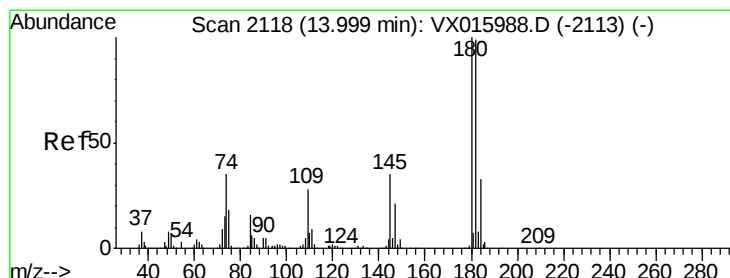
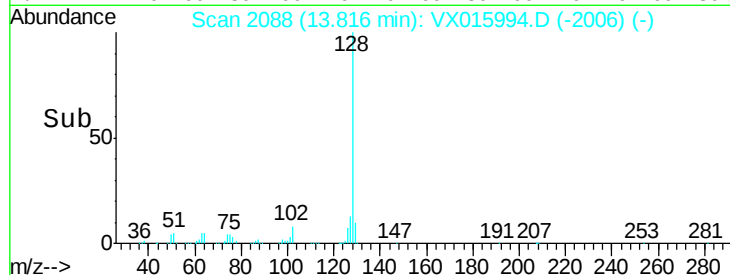
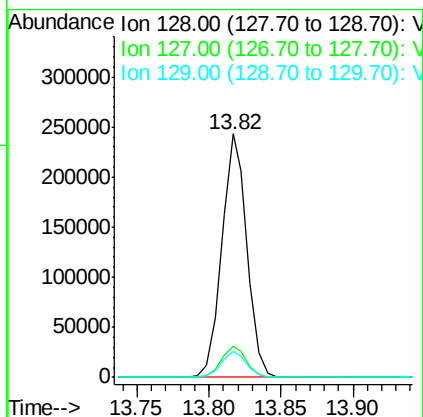
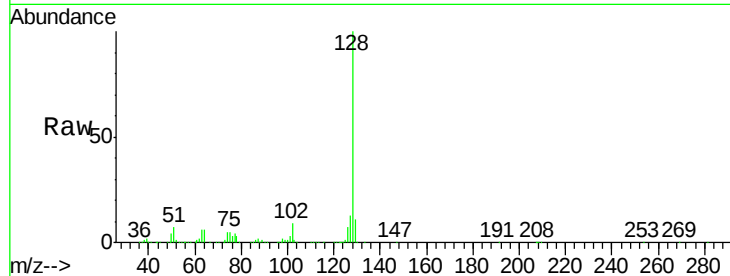
#91
Naphthalene
Concen: 18.762 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX015994.D
Acq: 30 Apr 2020 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0430WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	295563		
127	12.8	10.5	15.7	
129	10.8	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
5/4/2020 3:10:20 PM



#92
1,2,3-Trichlorobenzene
Concen: 18.613 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.01 min
Lab File: VX015994.D
Acq: 30 Apr 2020 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	88481		
182	96.2	0.0	197.2	
145	33.2	0.0	66.0	

