

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052620\
 Data File : VX016422.D
 Acq On : 26 May 2020 13:17
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 5/27/2020 12:27:15 PM

Quant Time: May 26 16:07:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052620W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 26 15:50:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	156190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	265416	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	252287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	121217	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	40676	19.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	39.20%	
35) Dibromofluoromethane	5.47	113	31484	18.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	37.00%	
50) Toluene-d8	8.70	98	119148	18.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	36.42%	
62) 4-Bromofluorobenzene	11.12	95	42769	17.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	34.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	23000	14.516	ug/l	96
3) Chloromethane	1.32	50	30910	16.529	ug/l	100
4) Vinyl Chloride	1.39	62	39684	19.232	ug/l	99
5) Bromomethane	1.63	94	29621	22.028	ug/l	95
6) Chloroethane	1.72	64	28453	22.210	ug/l	95
7) Trichlorofluoromethane	1.92	101	63479	22.618	ug/l	99
8) Diethyl Ether	2.17	74	25484	21.709	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	26918	17.558	ug/l	100
10) Methyl Iodide	2.49	142	23742	12.050	ug/l	100
11) Tert butyl alcohol	3.01	59	42101	82.956	ug/l	97
12) 1,1-Dichloroethene	2.36	96	27646	17.242	ug/l	97
13) Acrolein	2.27	56	21362	69.316	ug/l	98
14) Allyl chloride	2.71	41	45460	15.698	ug/l	98
15) Acrylonitrile	3.12	53	84409	79.842	ug/l	99
16) Acetone	2.42	43	76697	85.205	ug/l	97
17) Carbon Disulfide	2.55	76	80735	14.815	ug/l	99
18) Methyl Acetate	2.75	43	36040	16.295	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	95503	17.183	ug/l	96
20) Methylene Chloride	2.84	84	31857	17.003	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	30458	16.809	ug/l	95
22) Diisopropyl ether	3.82	45	90760	16.367	ug/l	100
23) Vinyl Acetate	3.79	43	402517	82.657	ug/l	100
24) 1,1-Dichloroethane	3.67	63	53478	17.126	ug/l	97
25) 2-Butanone	4.63	43	118712	81.745	ug/l	99
26) 2,2-Dichloropropane	4.56	77	49928	17.465	ug/l	98
27) cis-1,2-Dichloroethene	4.57	96	33981	17.091	ug/l	97
28) Bromochloromethane	4.98	49	28649	20.030	ug/l	91
29) Tetrahydrofuran	5.09	42	78602	81.797	ug/l	99
30) Chloroform	5.18	83	56714	18.064	ug/l	92
31) Cyclohexane	5.56	56	44860	16.081	ug/l	95
32) 1,1,1-Trichloroethane	5.47	97	50939	17.794	ug/l	95
36) 1,1-Dichloropropene	5.77	75	40257	15.505	ug/l	99
37) Ethyl Acetate	4.79	43	46525	15.711	ug/l	99
38) Carbon Tetrachloride	5.75	117	44223	16.685	ug/l	93

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	44525	14.487	ug/l	97
40) Benzene	6.12	78	126525	16.630	ug/l	98
41) Methacrylonitrile	5.01	41	24061	15.053	ug/l	97
42) 1,2-Dichloroethane	6.17	62	46836	17.112	ug/l	100
43) Isopropyl Acetate	6.42	43	75377	15.904	ug/l	99
44) Trichloroethene	7.19	130	41207	15.329	ug/l	98
45) 1,2-Dichloropropane	7.49	63	31152	16.300	ug/l	99
46) Dibromomethane	7.63	93	22366	16.929	ug/l	97
47) Bromodichloromethane	7.88	83	45223	16.948	ug/l	97
48) Methyl methacrylate	7.74	41	33640	15.064	ug/l	98
49) 1,4-Dioxane	7.71	88	17063	313.878	ug/l	96
51) 4-Methyl-2-Pentanone	8.62	43	235387	81.069	ug/l	97
52) Toluene	8.77	92	80917	16.989	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	52094	16.426	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	53541	16.231	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	31513	16.745	ug/l	97
56) Ethyl methacrylate	9.16	69	47492	15.703	ug/l	95
57) 1,3-Dichloropropane	9.35	76	55418	17.003	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	134433	83.654	ug/l	97
59) 2-Hexanone	9.47	43	178100	78.038	ug/l	100
60) Dibromochloromethane	9.57	129	35907	17.225	ug/l	98
61) 1,2-Dibromoethane	9.65	107	35130	17.184	ug/l	99
64) Tetrachloroethene	9.32	164	46757	15.290	ug/l	94
65) Chlorobenzene	10.12	112	86796	16.475	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	33595	17.204	ug/l	98
67) Ethyl Benzene	10.24	91	152250	16.297	ug/l	100
68) m/p-Xylenes	10.34	106	116396	33.159	ug/l	99
69) o-Xylene	10.68	106	55512	16.419	ug/l	96
70) Styrene	10.70	104	90748	15.868	ug/l	99
71) Bromoform	10.84	173	25454	15.973	ug/l #	99
73) Isopropylbenzene	11.00	105	146325	16.731	ug/l	99
74) N-amyl acetate	10.88	43	62073	15.492	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	33526	20.874	ug/l	97
76) 1,2,3-Trichloropropane	11.28	75	46419m	17.112	ug/l	
77) Bromobenzene	11.24	156	37140	16.343	ug/l	96
78) n-propylbenzene	11.34	91	162071	15.967	ug/l	97
79) 2-Chlorotoluene	11.40	91	99418	16.563	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	122196	16.557	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	18160	16.052	ug/l	99
82) 4-Chlorotoluene	11.49	91	117519	16.564	ug/l	99
83) tert-Butylbenzene	11.76	119	101449	15.959	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	123939	16.646	ug/l	99
85) sec-Butylbenzene	11.93	105	130793	15.379	ug/l	100
86) p-Isopropyltoluene	12.05	119	121170	15.383	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	65984	16.255	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	67567	16.391	ug/l	97
89) n-Butylbenzene	12.37	91	104292	14.574	ug/l	97
90) Hexachloroethane	12.58	117	21412	15.727	ug/l	100
91) 1,2-Dichlorobenzene	12.38	146	64991	16.545	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	11359	15.876	ug/l	94

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MSVOA_X
ClientSampleId :
VSTDICC020

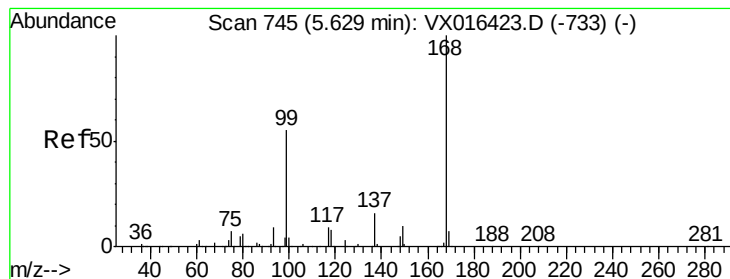
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052620W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	38383	13.475	ug/l	99
94) Hexachlorobutadiene	13.77	225	13362	10.491	ug/l	99
95) Naphthalene	13.82	128	142878	15.316	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	37399	13.498	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016422.D

Acq: 26 May 2020 13:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 156190

Ion Ratio Lower Upper

168 100

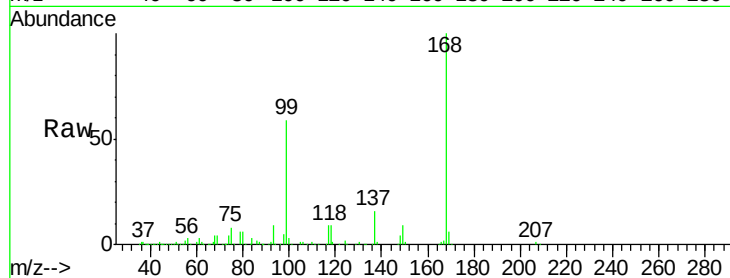
99 58.8 44.4 66.6

Manual Integrations

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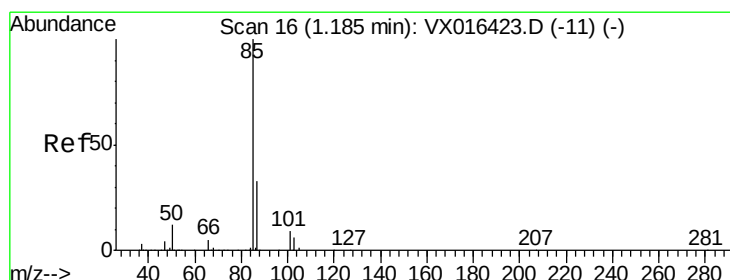
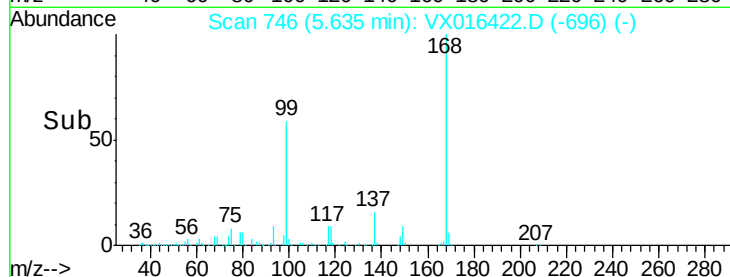
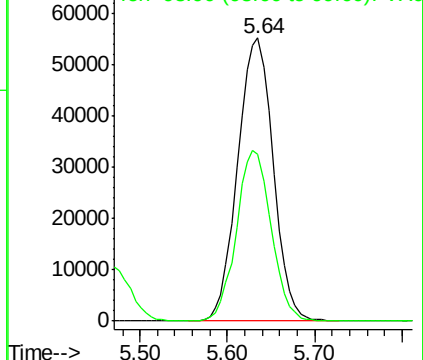
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 14.516 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016422.D

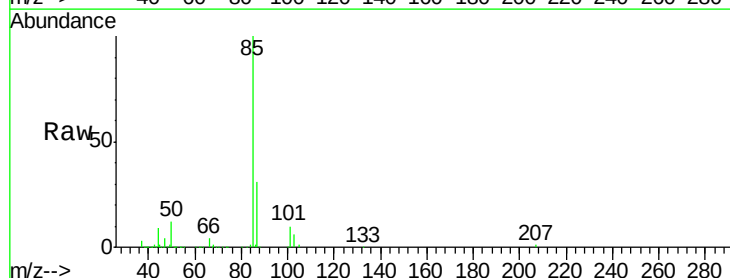
Acq: 26 May 2020 13:17

Tgt Ion: 85 Resp: 23000

Ion Ratio Lower Upper

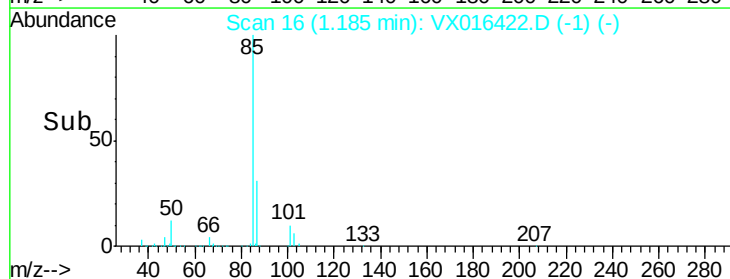
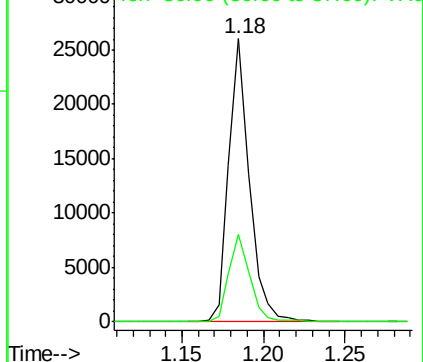
85 100

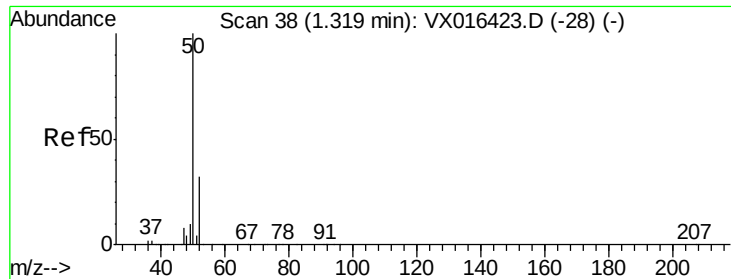
87 30.8 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 16.529 ug/l

RT: 1.32 min Scan# 38

Delta R.T. -0.00 min

Lab File: VX016422.D

Acq: 26 May 2020 13:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 30910

Ion Ratio Lower Upper

50 100

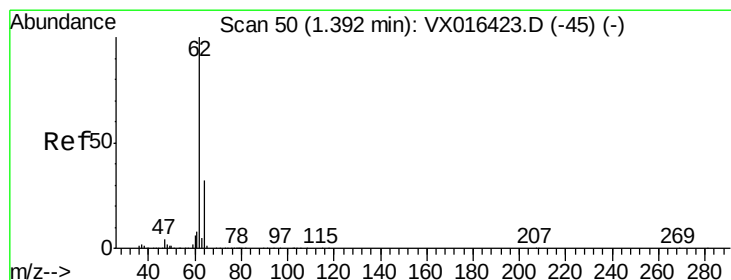
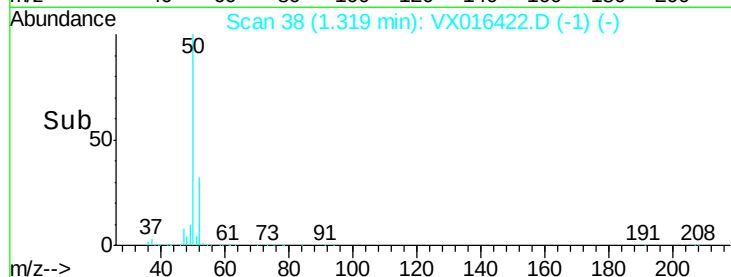
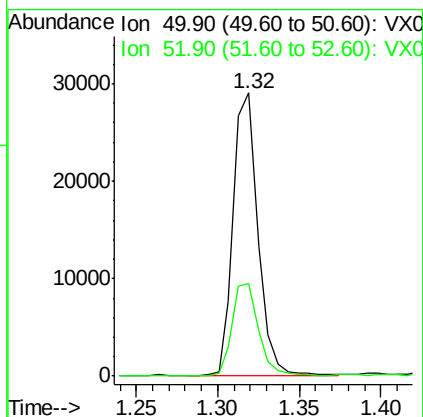
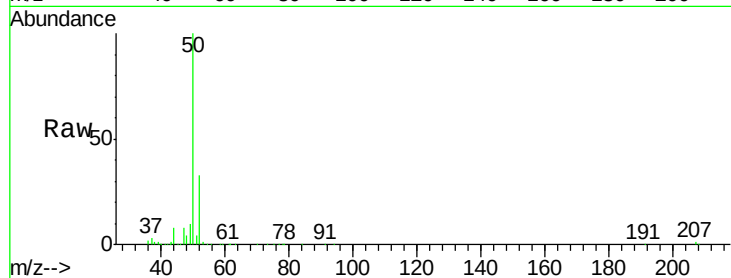
52 32.6 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.232 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016422.D

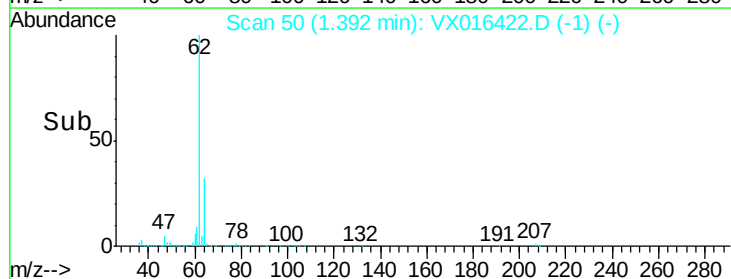
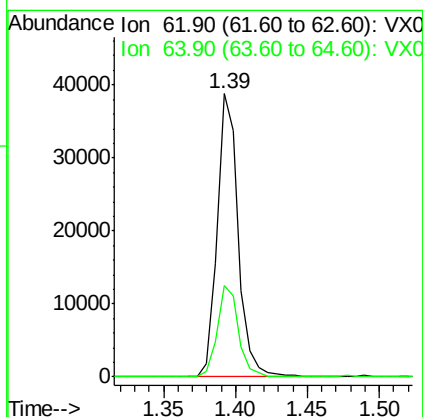
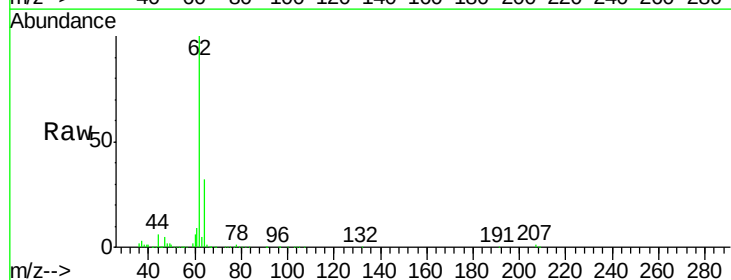
Acq: 26 May 2020 13:17

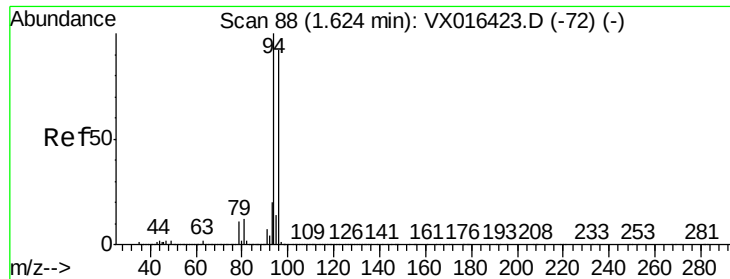
Tgt Ion: 62 Resp: 39684

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.0





#5

Bromomethane

Concen: 22.028 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX016422.D

Acq: 26 May 2020 13:17

Tot Ion: 94 Resp: 29621

Ion Ratio Lower Upper

94 100

96 96.4 73.7 110.5

Instrument :

MSVOA_X

ClientSampled :

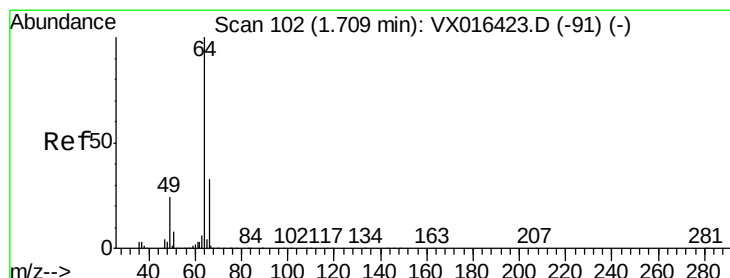
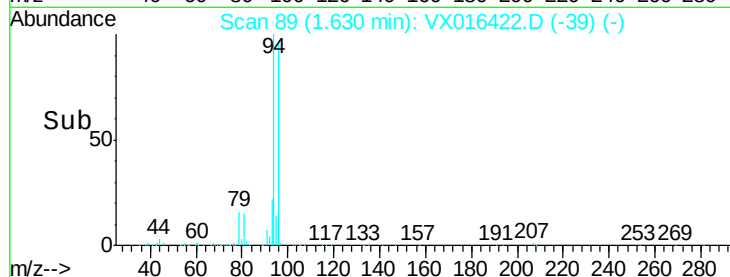
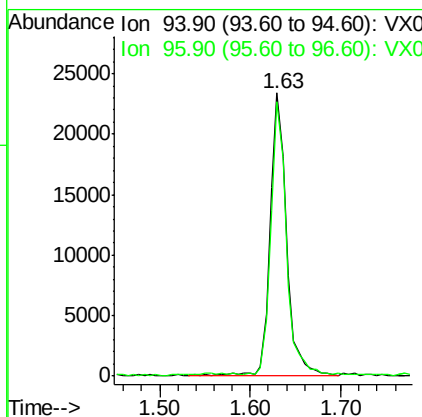
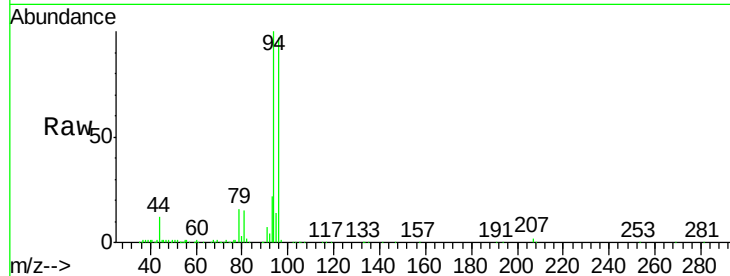
VSTDIC020

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#6

Chloroethane

Concen: 22.210 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX016422.D

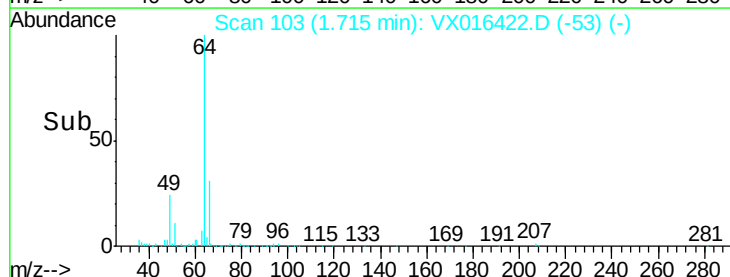
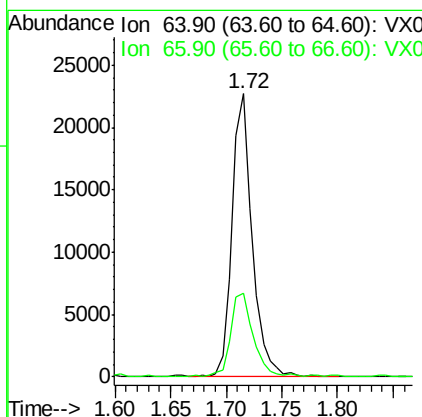
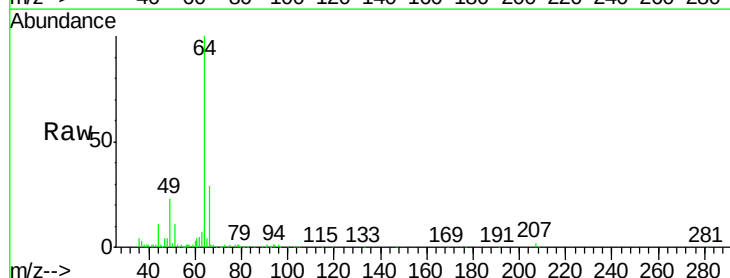
Acq: 26 May 2020 13:17

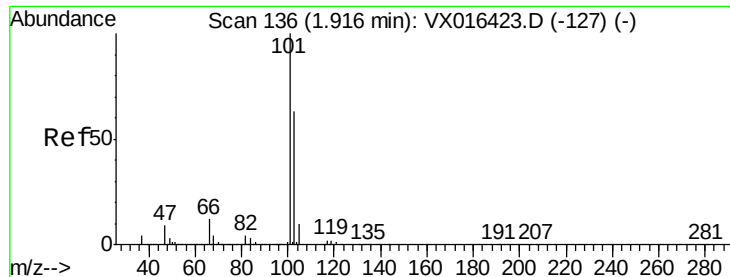
Tgt Ion: 64 Resp: 28453

Ion Ratio Lower Upper

64 100

66 29.4 26.0 39.0





#7

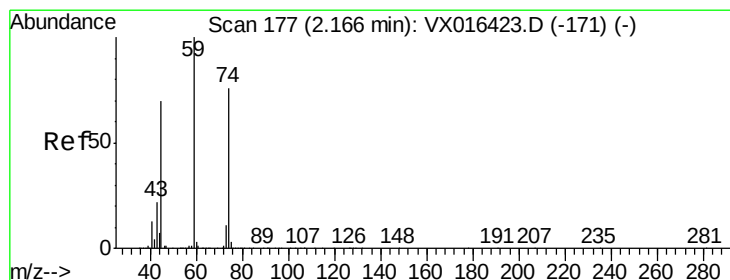
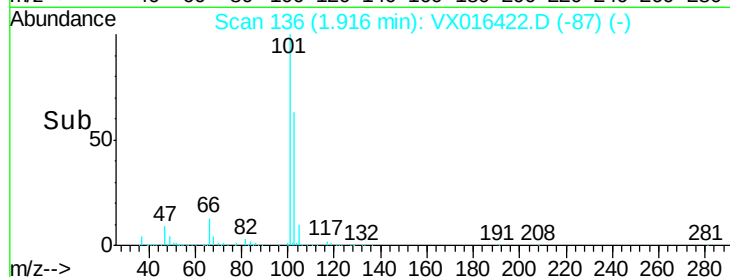
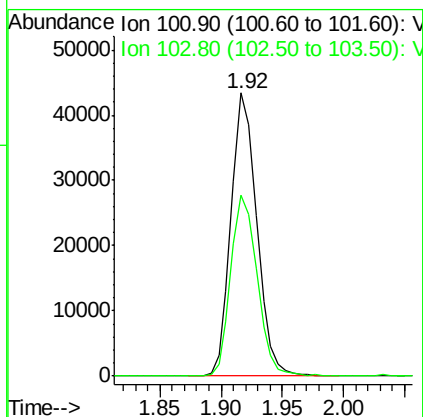
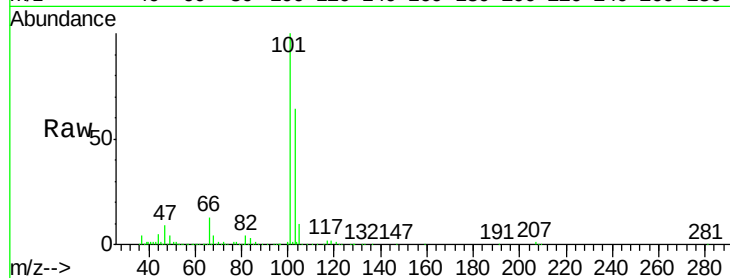
Trichlorofluoromethane
Concen: 22.618 ug/l
RT: 1.92 min Scan# 136
Delta R.T. -0.00 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

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ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	50.1	75.1

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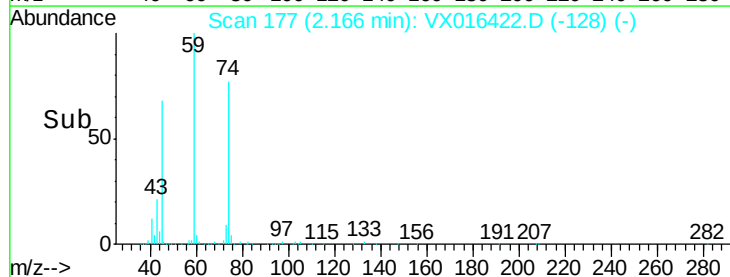
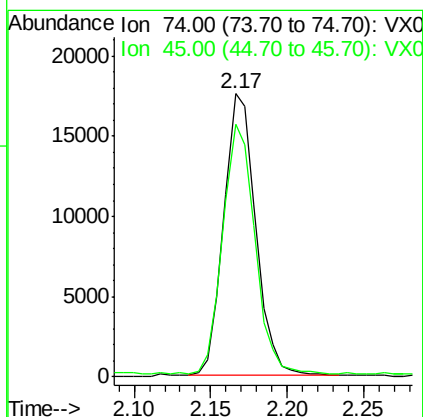
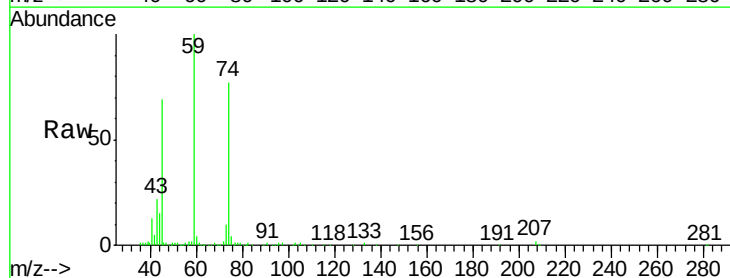
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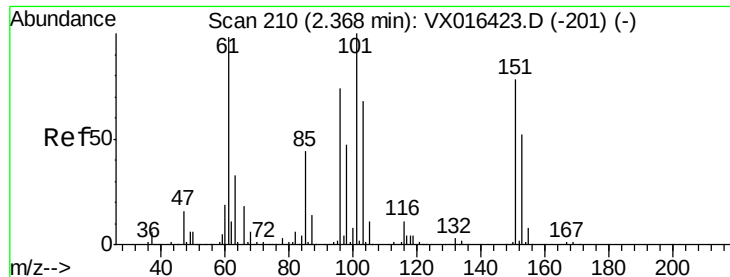


#8

Diethyl Ether
Concen: 21.709 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.2	44.4	133.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.558 ug/l

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX016422.D

Acq: 26 May 2020 13:17

Instrument :

MSVOA_X

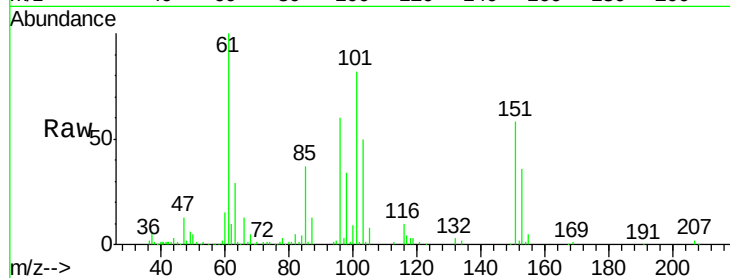
ClientSampleId :

VSTDIC020

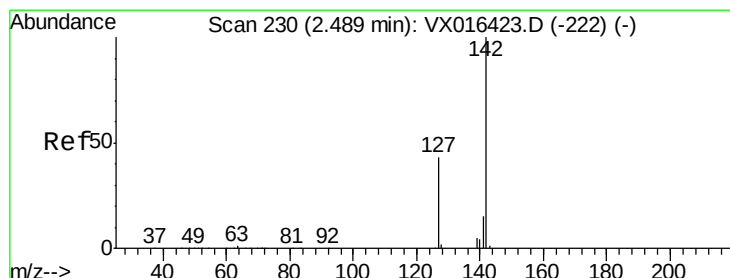
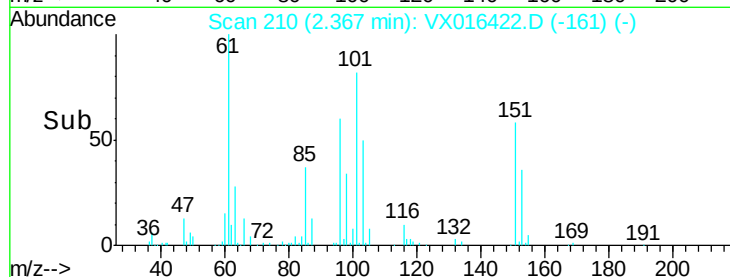
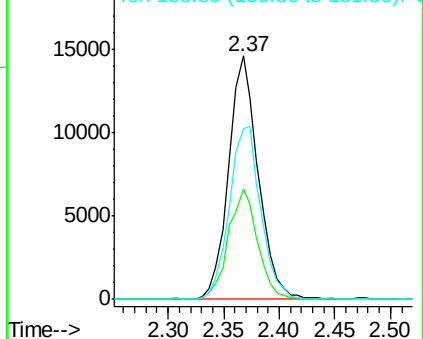
Tot Ion:	101	Resp:	26918
Ion Ratio	Lower	Upper	
101	100		
85	44.8	36.2	54.4
151	75.5	60.4	90.6

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 12.050 ug/l

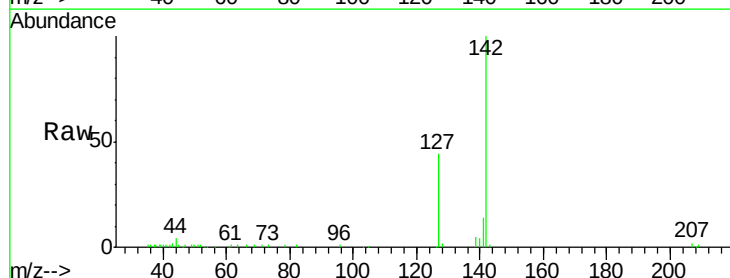
RT: 2.49 min Scan# 230

Delta R.T. -0.00 min

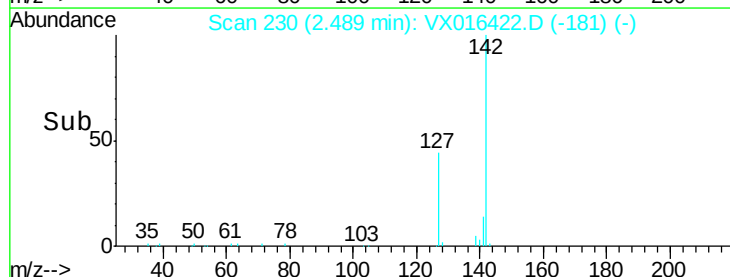
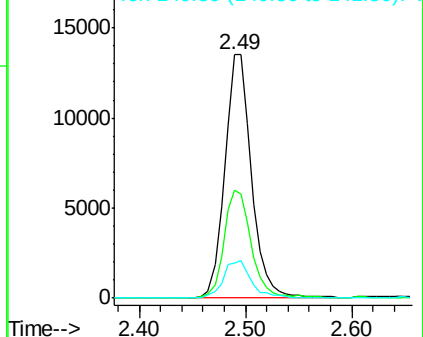
Lab File: VX016422.D

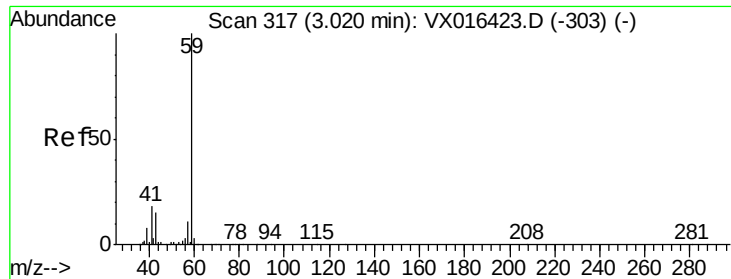
Acq: 26 May 2020 13:17

Tgt Ion:	142	Resp:	23742
Ion Ratio	Lower	Upper	
142	100		
127	45.3	36.2	54.4
141	15.7	12.2	18.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

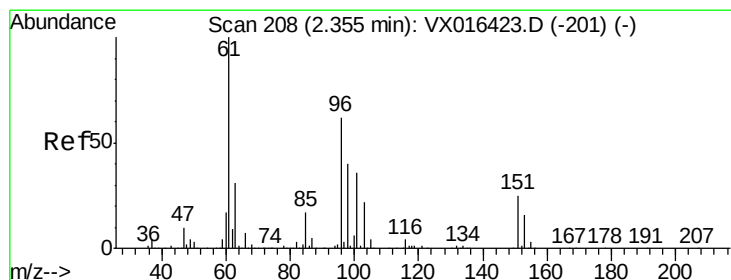
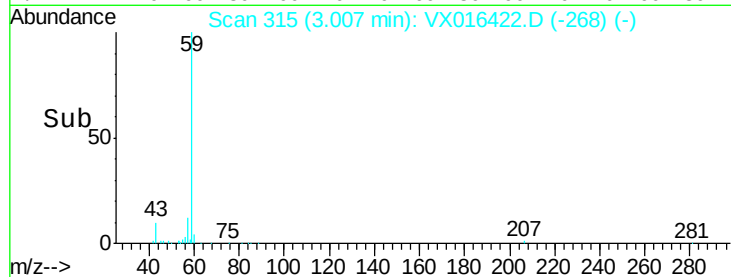
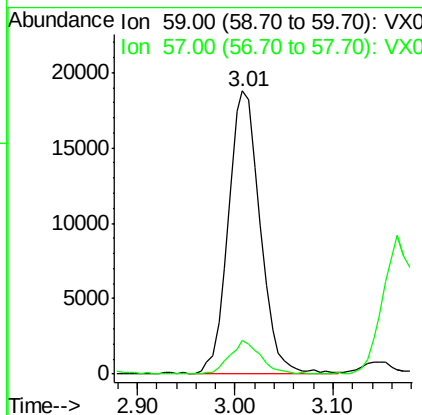
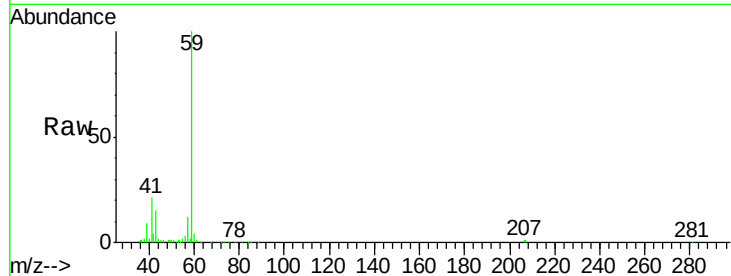
Tert butyl alcohol
 Concen: 82.956 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX016422.D
 Acq: 26 May 2020 13:17

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion	59	Resp	42101
Ion Ratio	100	Lower	Upper
57	11.7	8.5	12.7

Manual Integrations
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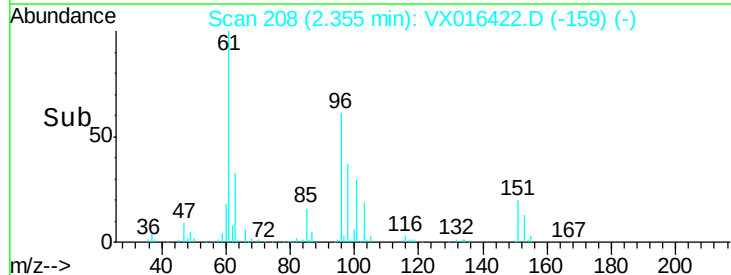
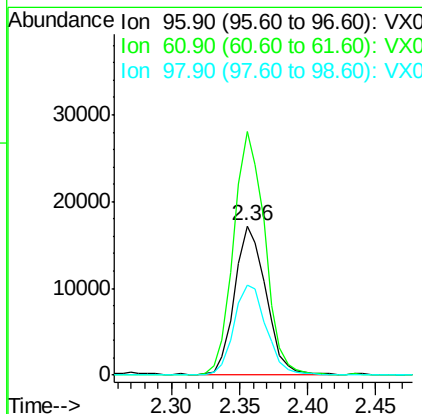
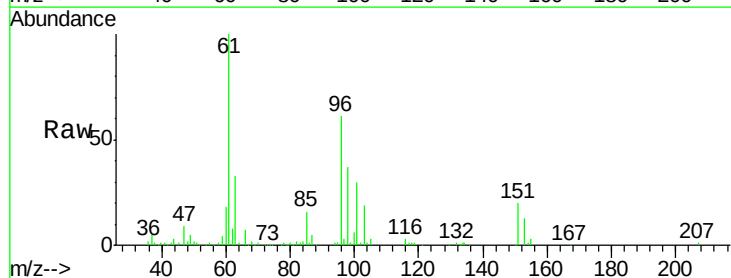
MMDadoda
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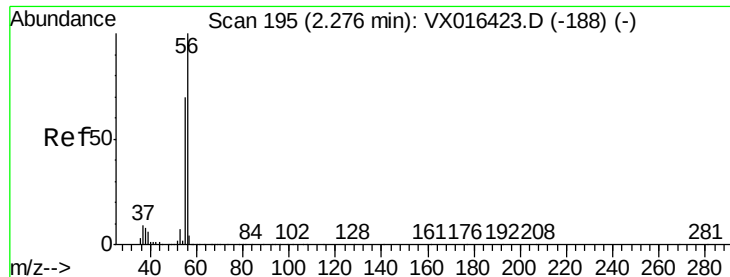


#12

1,1-Dichloroethene
 Concen: 17.242 ug/l
 RT: 2.36 min Scan# 208
 Delta R.T. -0.00 min
 Lab File: VX016422.D
 Acq: 26 May 2020 13:17

Tgt Ion	96	Resp	27646
Ion Ratio	100	Lower	Upper
61	163.3	128.2	192.4
98	60.0	50.8	76.2





#13

Acrolein

Concen: 69.316 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX016422.D

Acq: 26 May 2020 13:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 21362

Ion Ratio Lower Upper

56 100

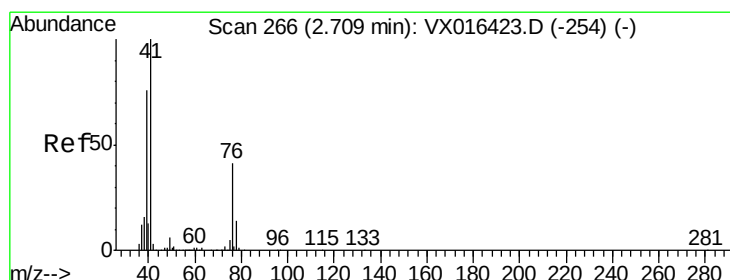
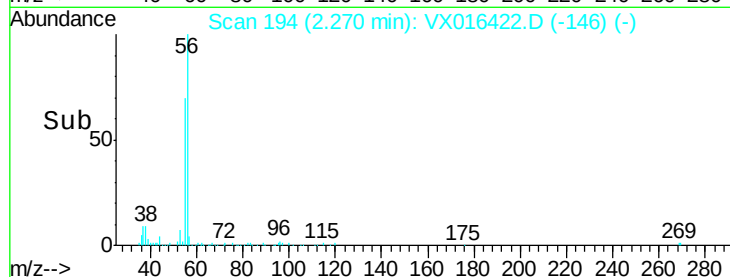
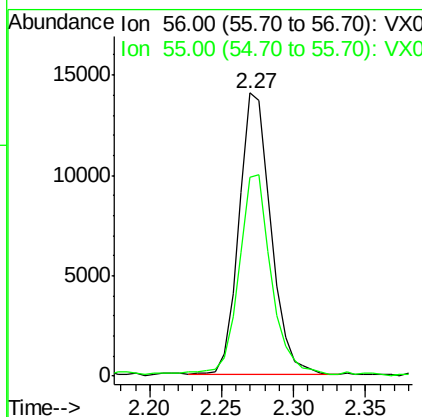
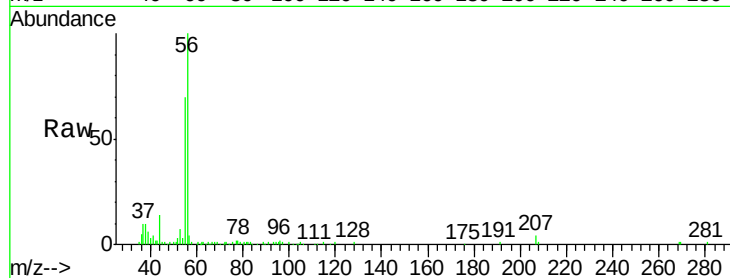
55 72.6 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 15.698 ug/l

RT: 2.71 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX016422.D

Acq: 26 May 2020 13:17

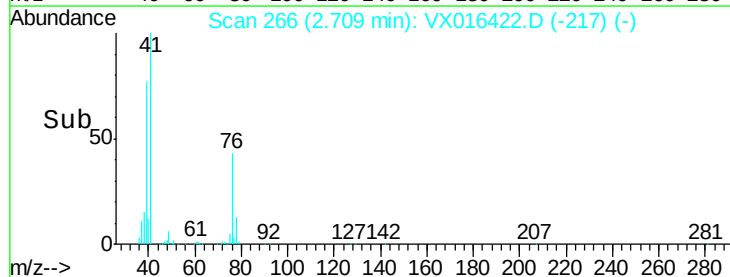
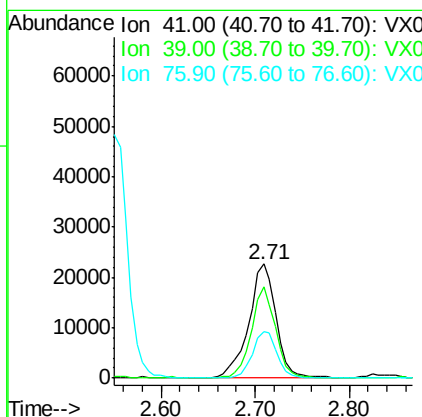
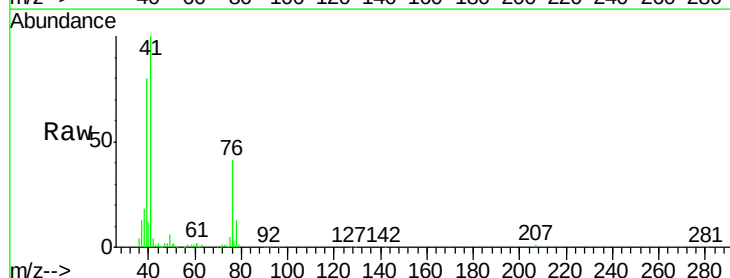
Tgt Ion: 41 Resp: 45460

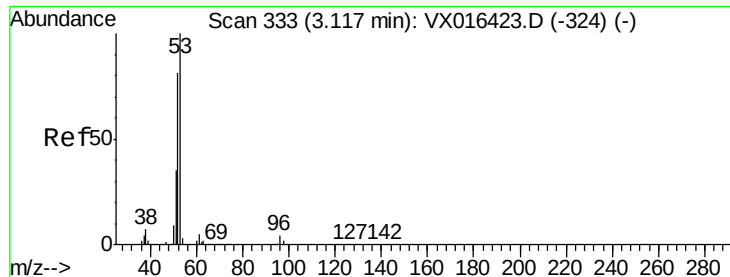
Ion Ratio Lower Upper

41 100

39 72.1 55.8 83.8

76 37.5 29.6 44.4





#15

Acrylonitrile

Concen: 79.842 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016422.D

Acq: 26 May 2020 13:17

Instrument :

MSVOA_X

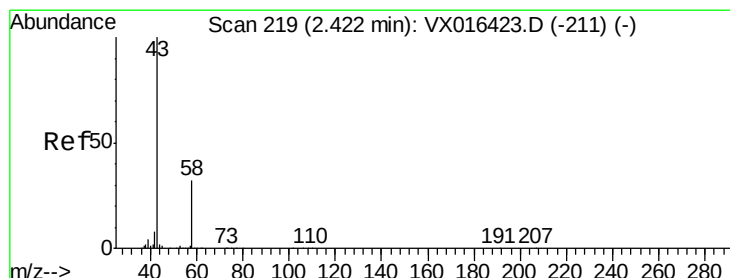
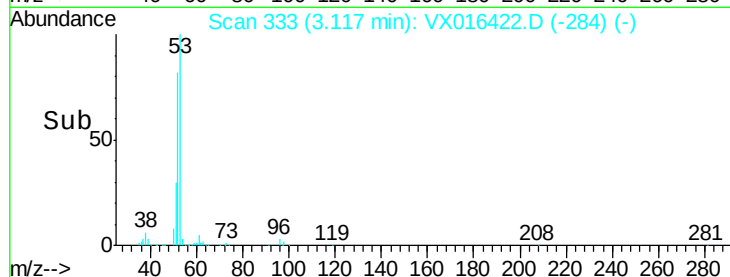
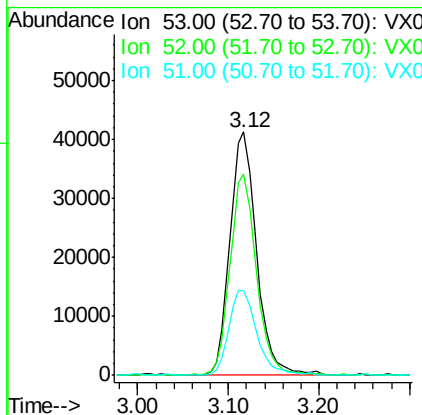
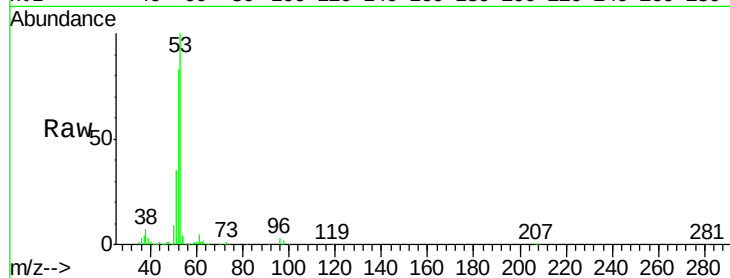
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	84409
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.4	98.2
51	37.3	28.4	42.6

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#16

Acetone

Concen: 85.205 ug/l

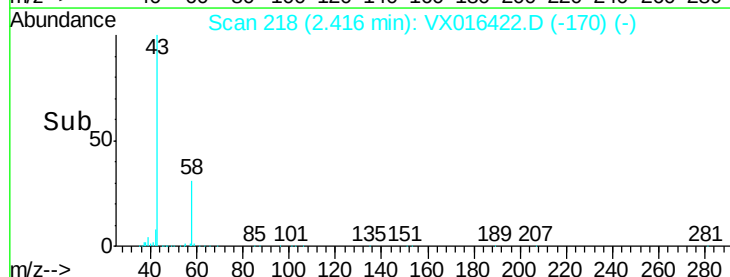
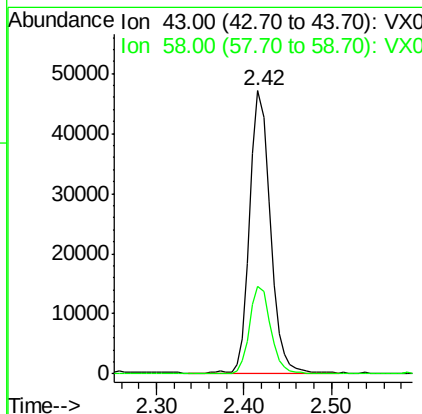
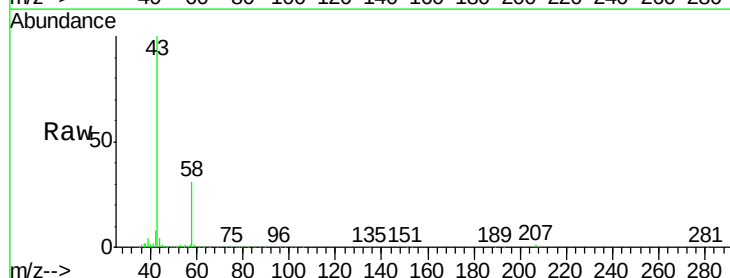
RT: 2.42 min Scan# 218

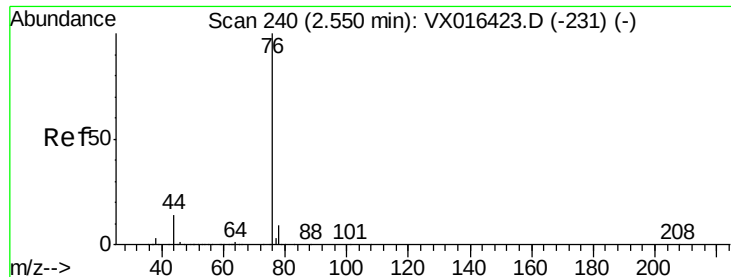
Delta R.T. -0.01 min

Lab File: VX016422.D

Acq: 26 May 2020 13:17

Tgt Ion:	43	Resp:	76697
Ion	Ratio	Lower	Upper
43	100		
58	30.7	26.0	39.0





#17

Carbon Disulfide

Concen: 14.815 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016422.D

Acq: 26 May 2020 13:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 80735

Ion Ratio Lower Upper

76 100

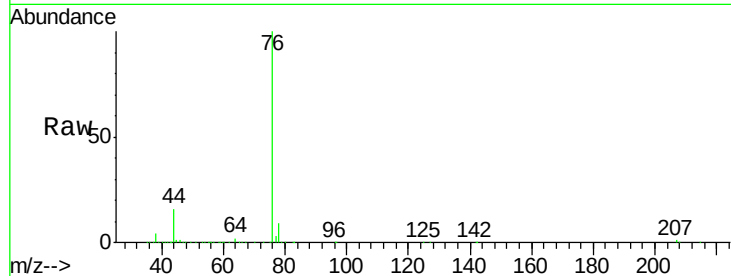
78 9.4 7.4 11.0

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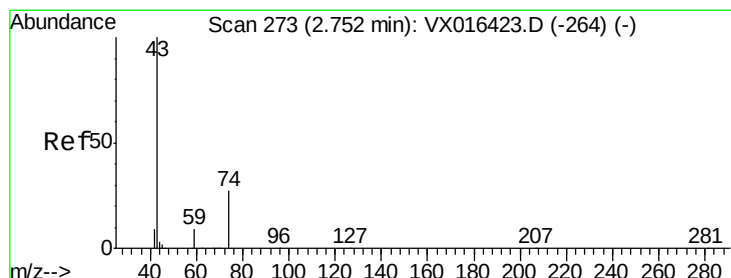
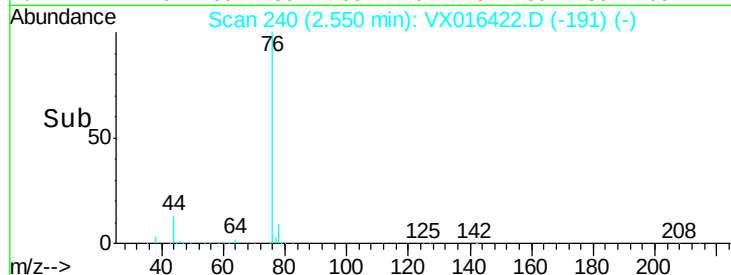
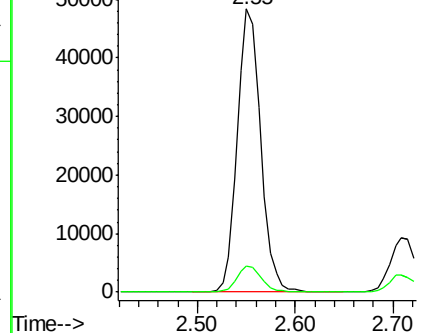
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 16.295 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX016422.D

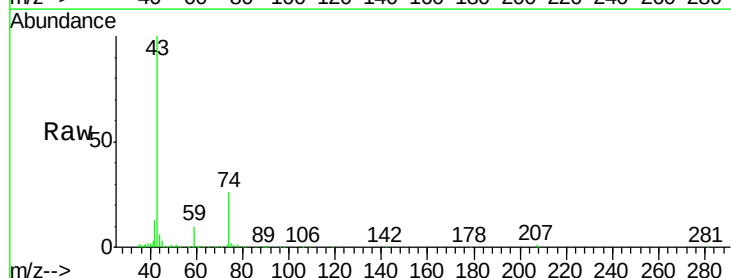
Acq: 26 May 2020 13:17

Tgt Ion: 43 Resp: 36040

Ion Ratio Lower Upper

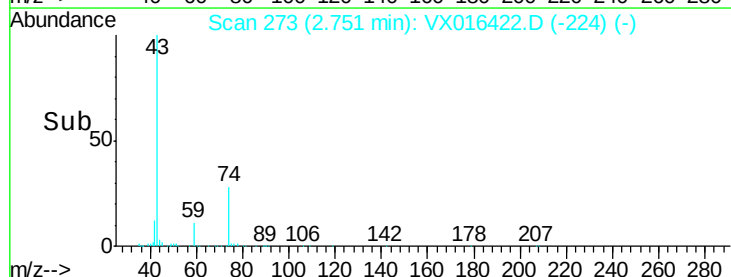
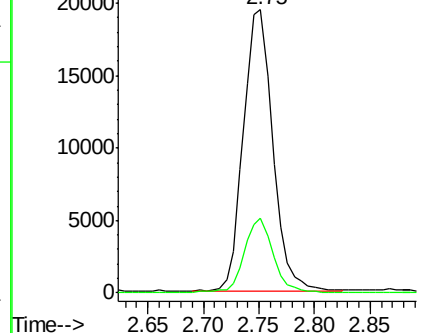
43 100

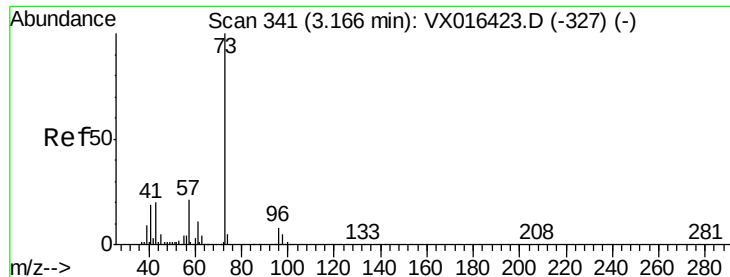
74 25.9 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





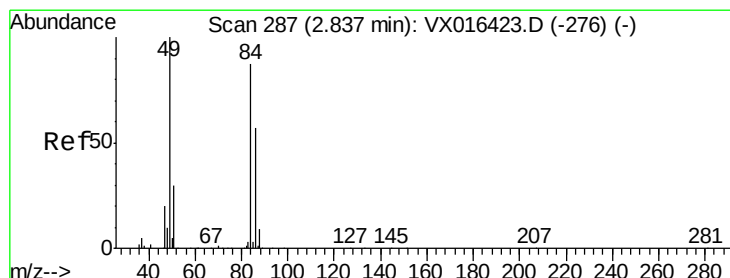
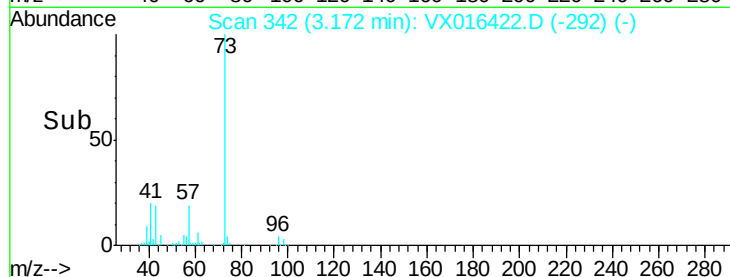
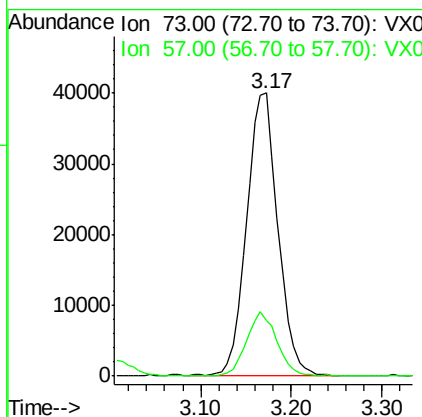
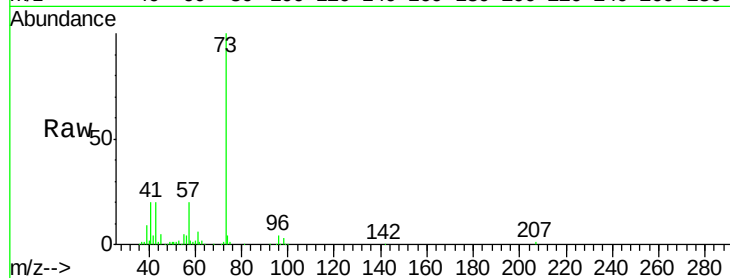
#19
Methyl tert-butyl Ether
Concen: 17.183 ug/l
RT: 3.17 min Scan# 342
Delta R.T. 0.01 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	73	Resp	95503
Ion Ratio	100	Lower	Upper
73	100	17.3	25.9
57	19.7		

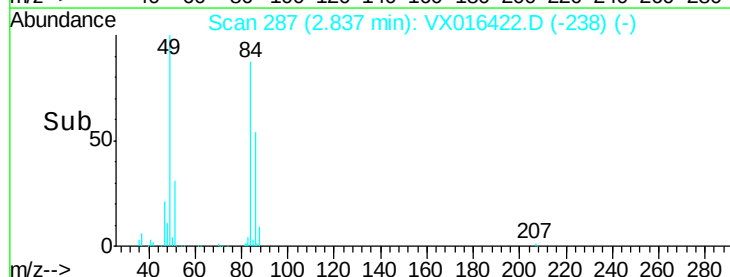
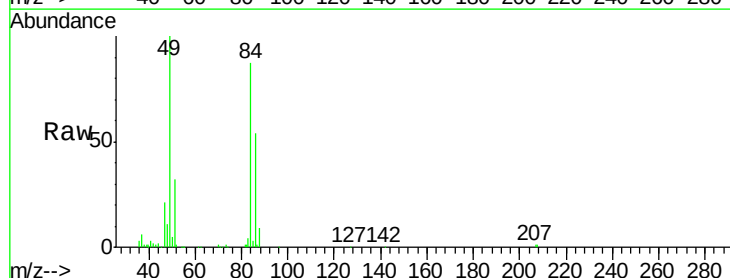
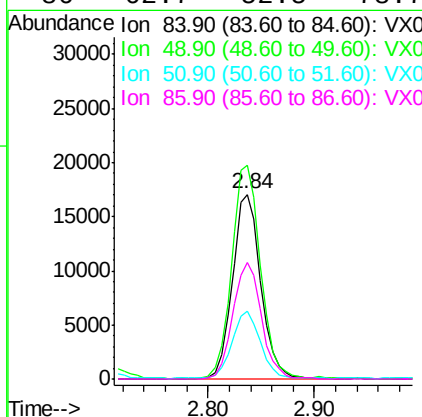
Manual Integrations
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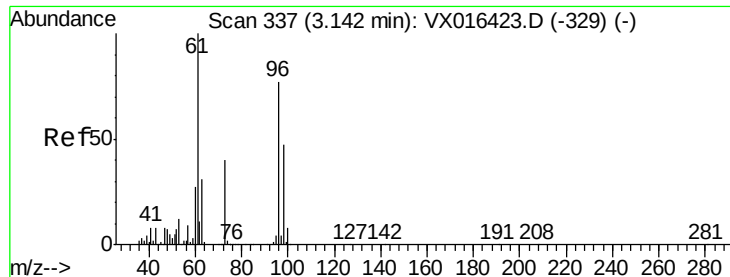
MMDadoda
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#20
Methylene Chloride
Concen: 17.003 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Tgt Ion	84	Resp	31857
Ion Ratio	100	Lower	Upper
84	100	92.2	138.4
49	115.2	27.8	41.8
51	36.1	52.5	78.7
86	62.7		





#21

trans-1,2-Dichloroethene

Concen: 16.809 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX016422.D

Acq: 26 May 2020 13:17

Instrument :

MSVOA_X

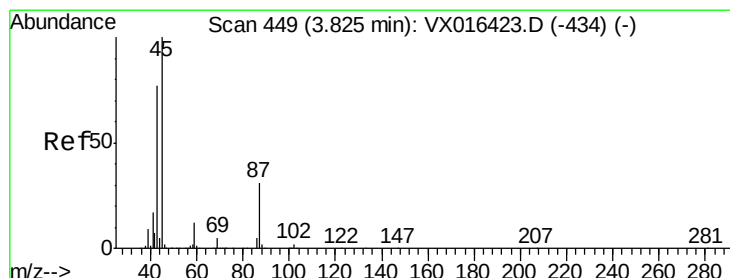
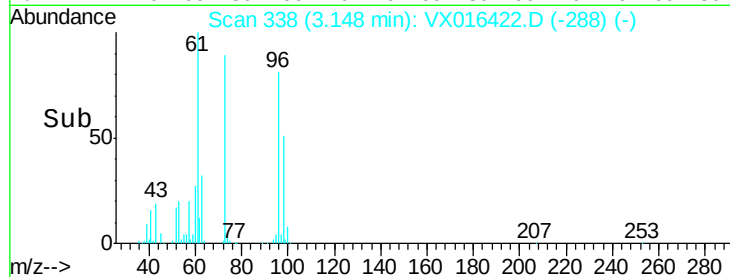
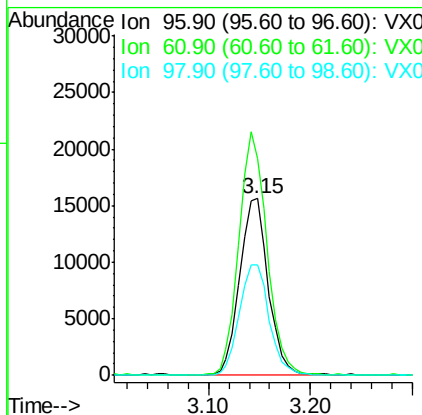
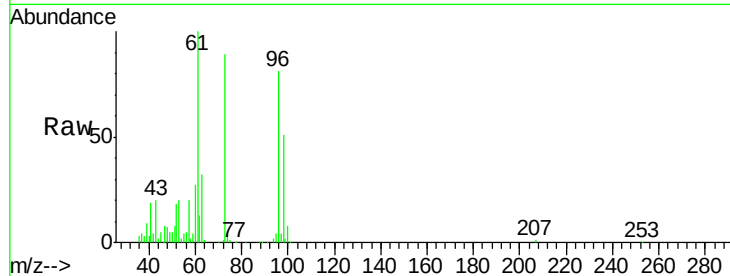
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	30458
Ion	Ratio	Lower	Upper
96	100		
61	122.5	104.3	156.5
98	62.3	49.4	74.0

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#22

Diisopropyl ether

Concen: 16.367 ug/l

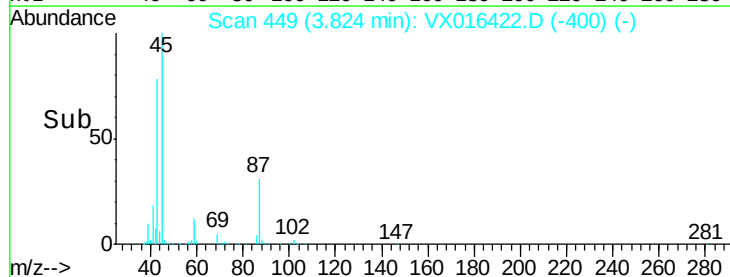
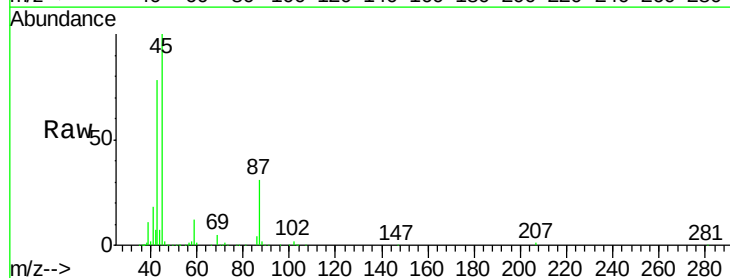
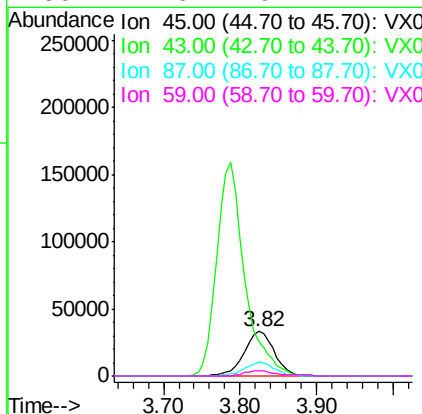
RT: 3.82 min Scan# 449

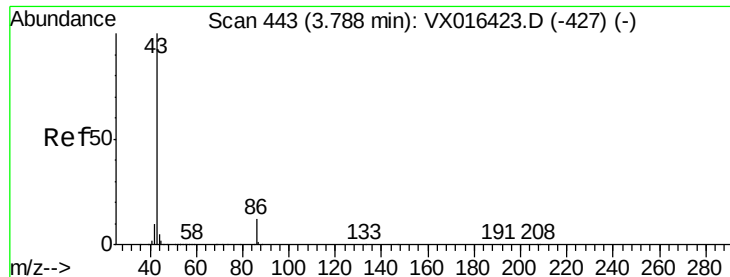
Delta R.T. -0.00 min

Lab File: VX016422.D

Acq: 26 May 2020 13:17

Tgt Ion:	45	Resp:	90760
Ion	Ratio	Lower	Upper
45	100		
43	76.8	61.4	92.2
87	31.0	24.4	36.6
59	11.6	9.4	14.2





#23

Vinyl Acetate

Concen: 82.657 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX016422.D

Acq: 26 May 2020 13:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 402517

Ion Ratio Lower Upper

43 100

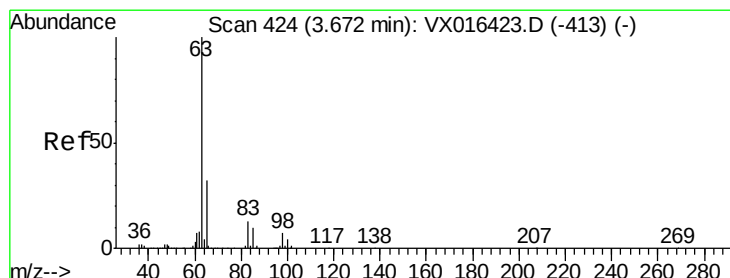
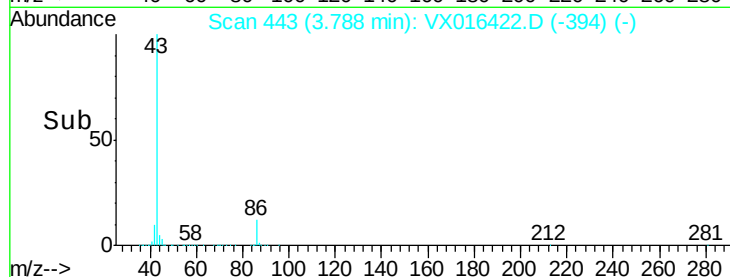
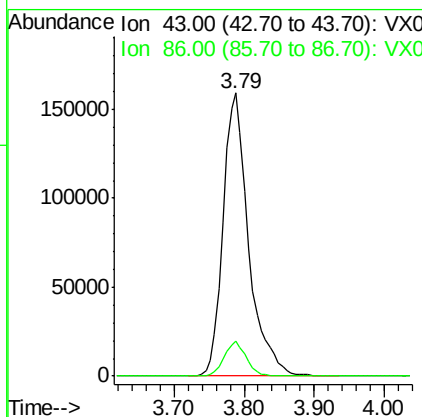
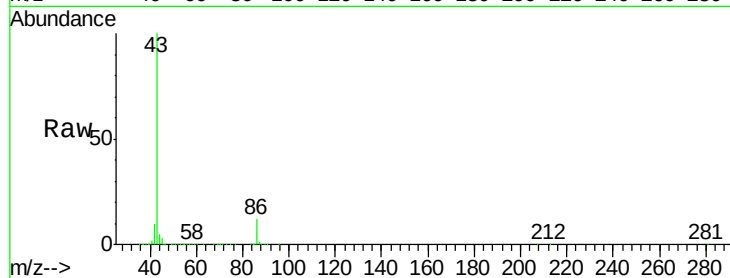
86 12.3 9.8 14.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 17.126 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX016422.D

Acq: 26 May 2020 13:17

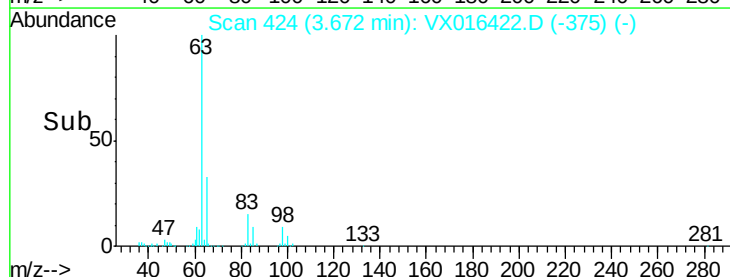
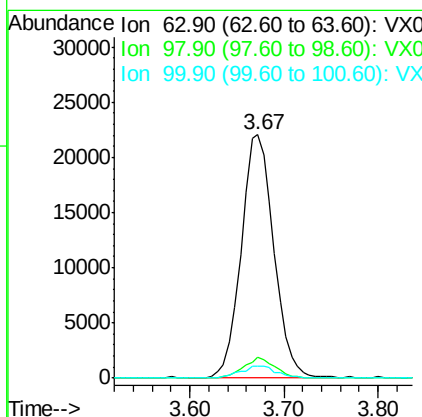
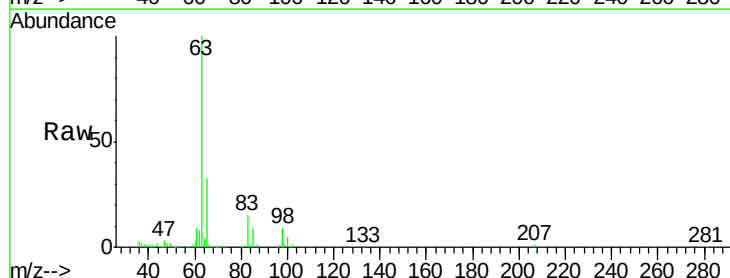
Tgt Ion: 63 Resp: 53478

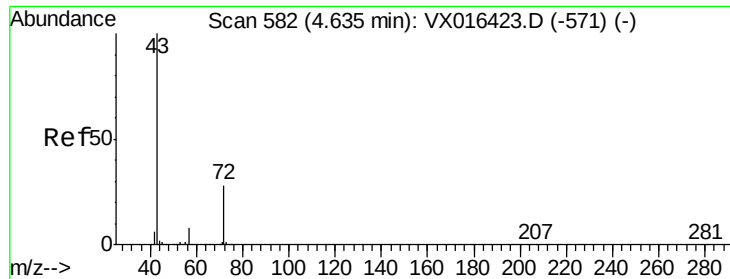
Ion Ratio Lower Upper

63 100

98 8.7 3.6 10.8

100 4.7 2.1 6.5





#25

2-Butanone

Concen: 81.745 ug/l

RT: 4.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX016422.D

Acq: 26 May 2020 13:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 118712

Ion Ratio Lower Upper

43 100

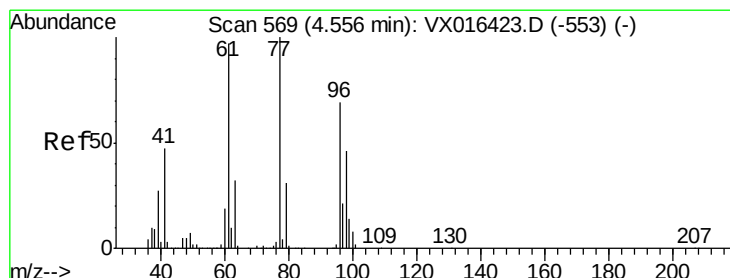
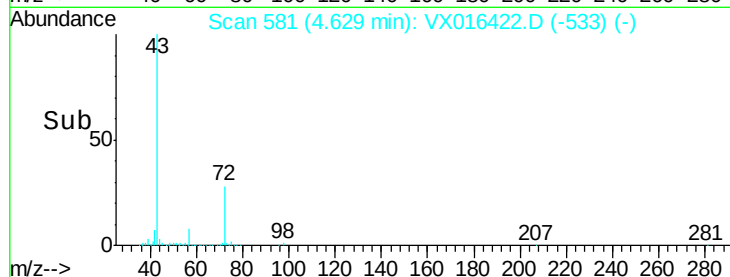
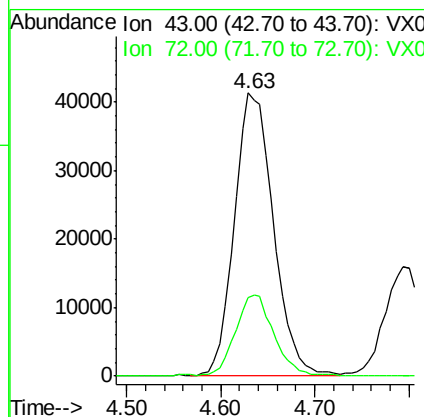
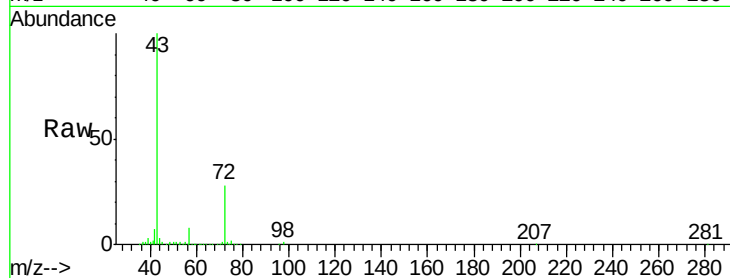
72 27.6 22.7 34.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.465 ug/l

RT: 4.56 min Scan# 569

Delta R.T. -0.00 min

Lab File: VX016422.D

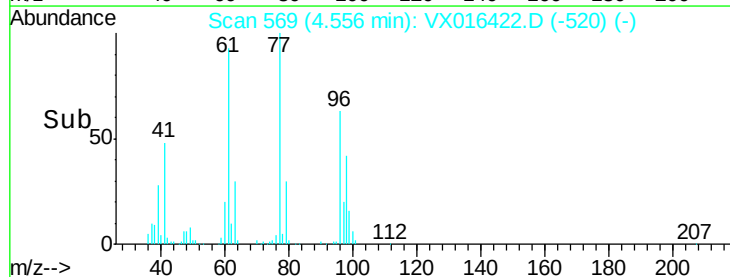
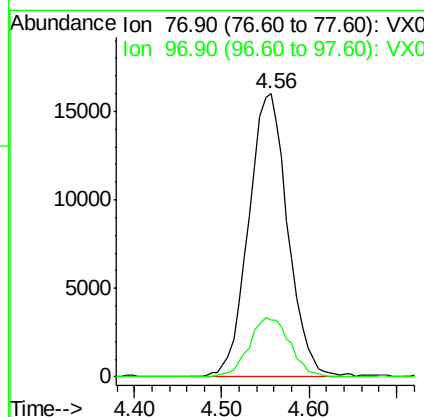
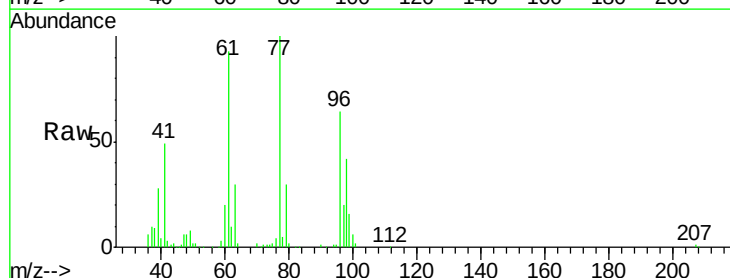
Acq: 26 May 2020 13:17

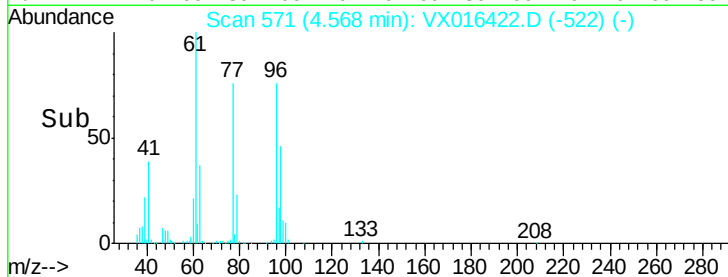
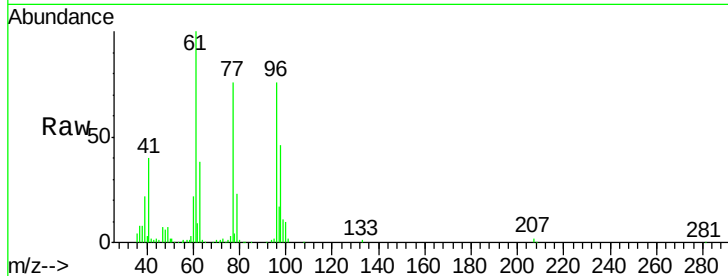
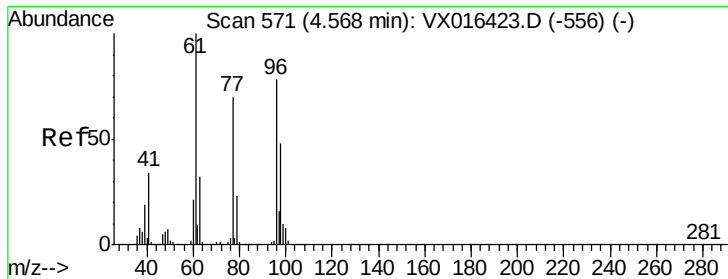
Tgt Ion: 77 Resp: 49928

Ion Ratio Lower Upper

77 100

97 21.9 11.5 34.5





#27

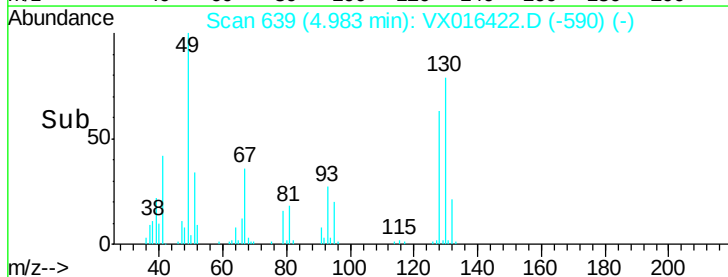
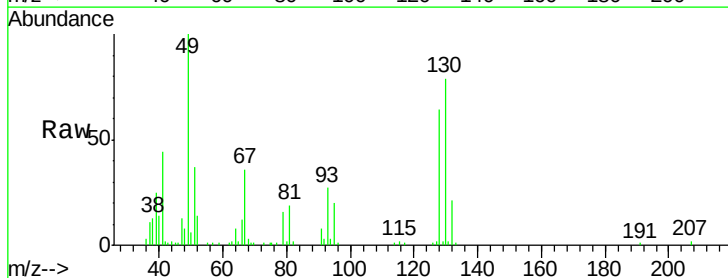
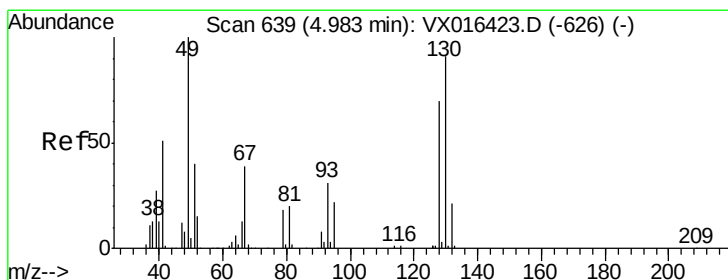
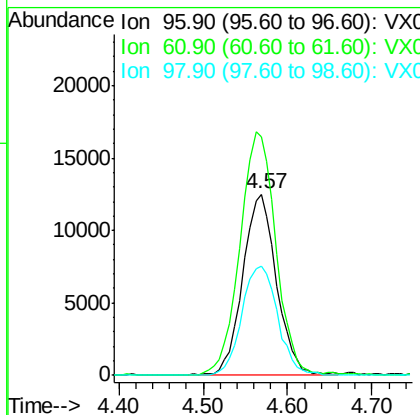
cis-1,2-Dichloroethene
Concen: 17.091 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Tot Ion	96	Resp	33981
Ion	Ratio	Lower	Upper
96	100		
61	140.9	0.0	271.0
98	63.9	0.0	127.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Manual Integrations
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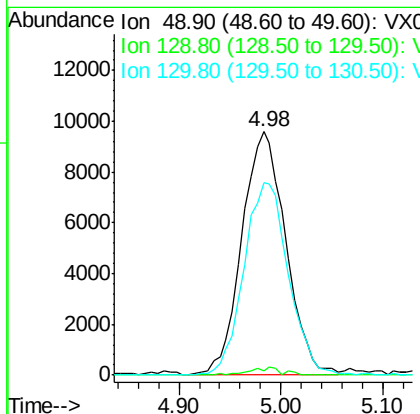
MMDadoda
5/27/2020 12:27:15 PM

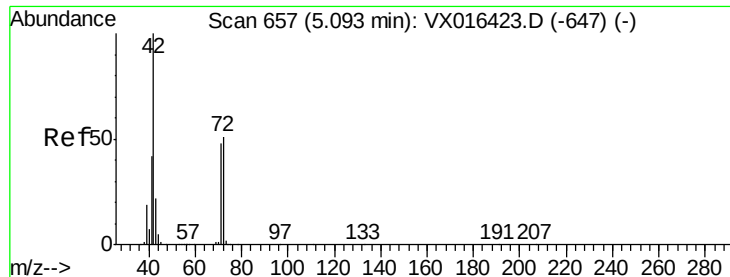


#28

Bromochloromethane
Concen: 20.030 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Tgt Ion	49	Resp	28649
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.8
130	80.1	71.2	106.8





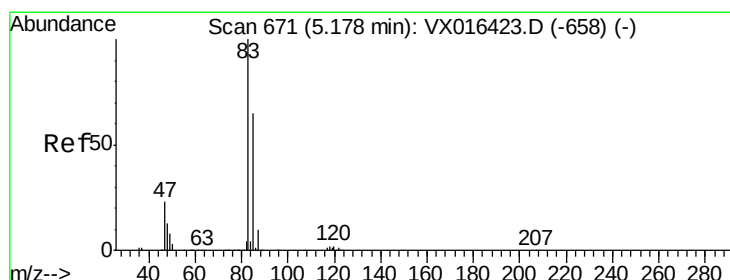
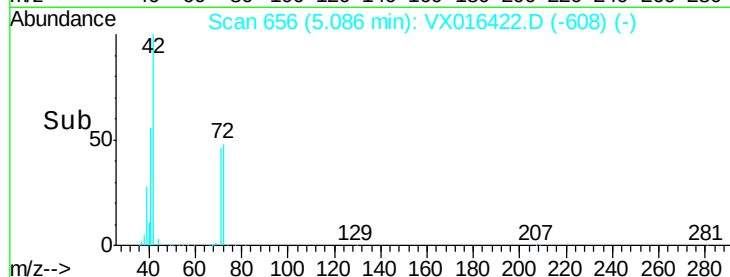
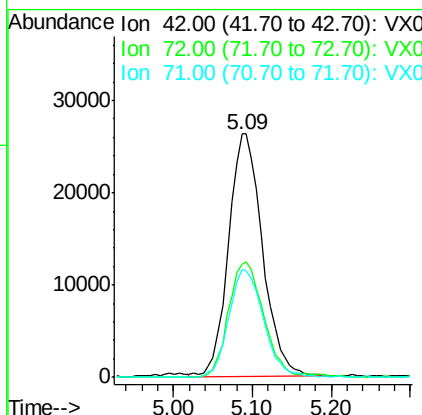
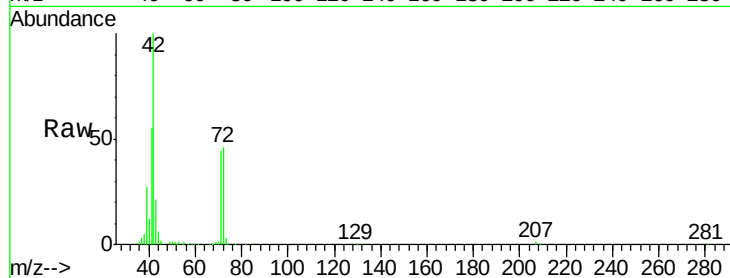
#29
Tetrahydrofuran
Concen: 81.797 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.1	40.2	60.4
71	45.8	37.7	56.5

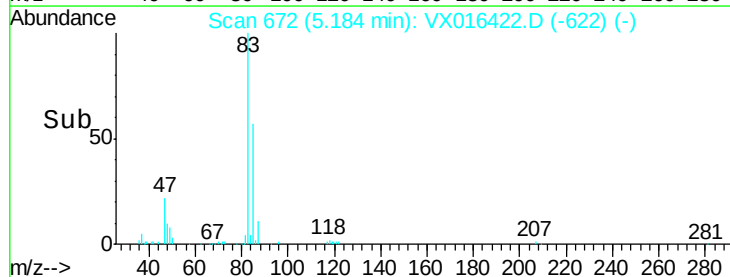
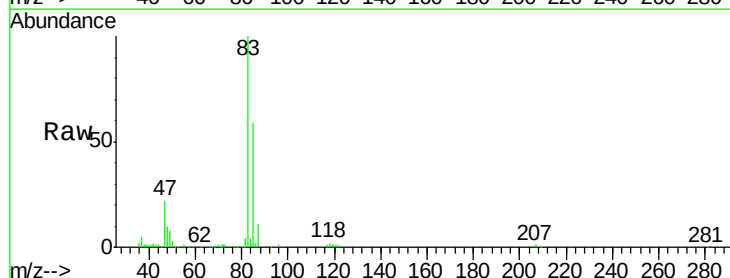
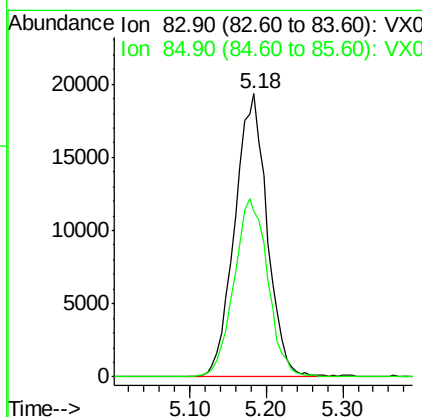
Manual Integrations
APPROVED

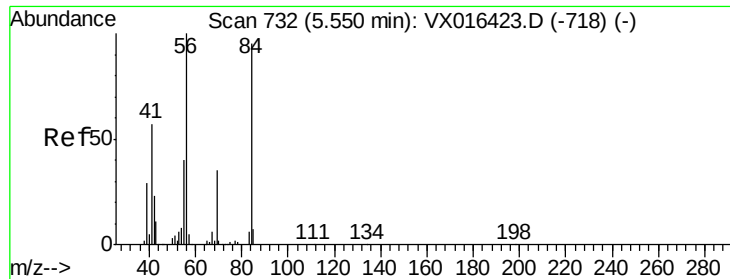
MMDadoda
5/27/2020 12:27:15 PM



#30
Chloroform
Concen: 18.064 ug/l
RT: 5.18 min Scan# 672
Delta R.T. 0.01 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.7	52.1	78.1





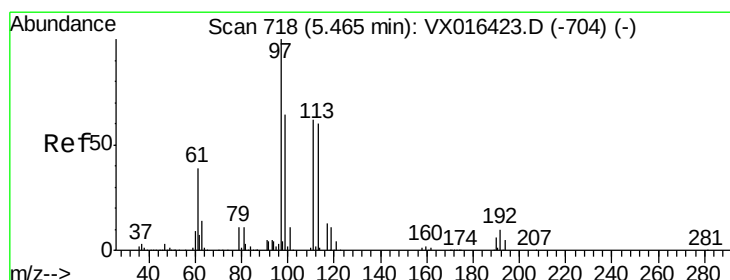
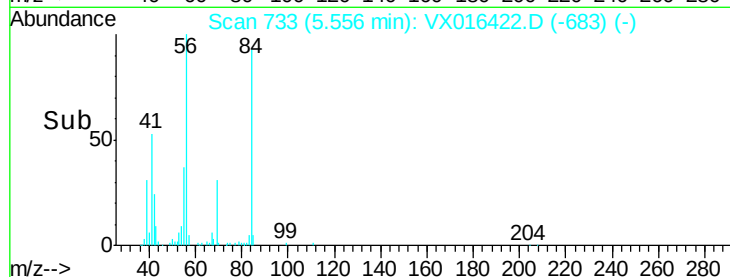
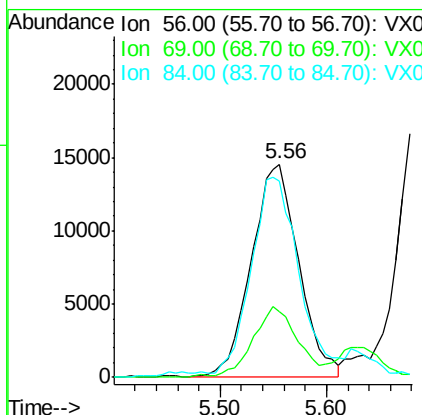
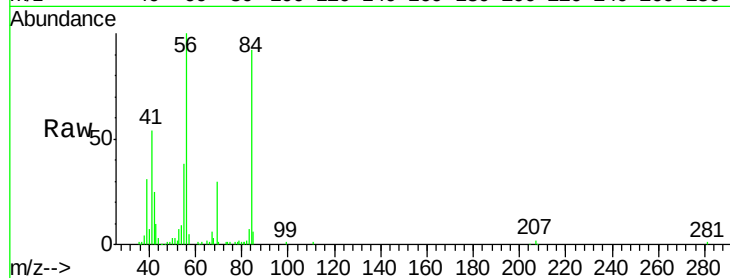
#31
Cyclohexane
Concen: 16.081 ug/l
RT: 5.56 min Scan# 733
Delta R.T. 0.01 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	30.6	27.7	41.5	
84	90.3	76.1	114.1	

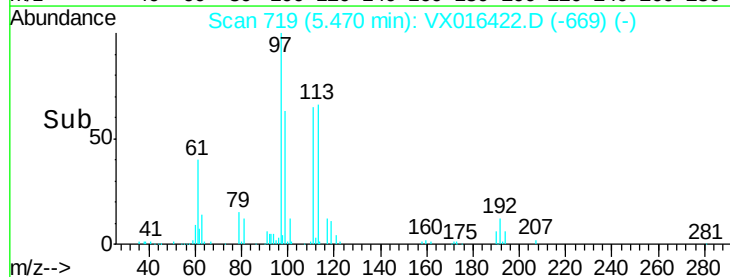
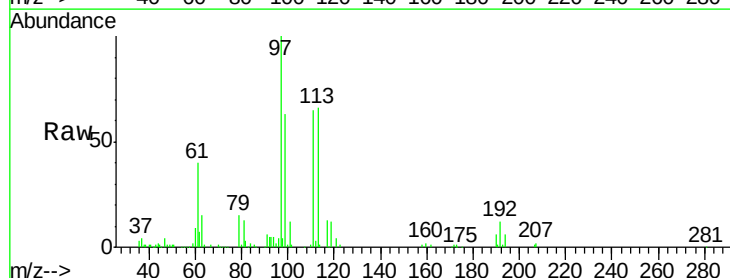
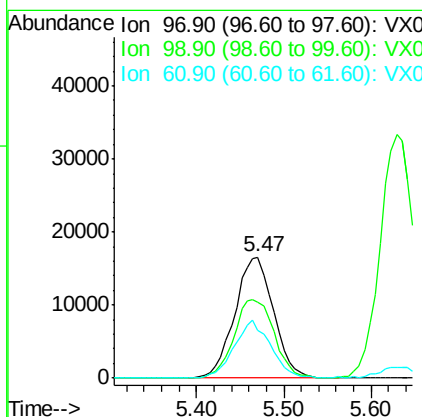
Manual Integrations
APPROVED

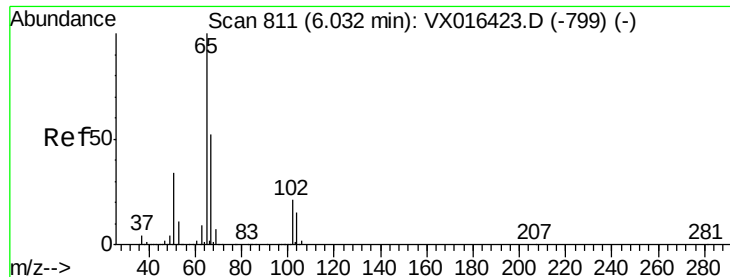
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 17.794 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.01 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	67.4	51.1	76.7	
61	45.4	33.1	49.7	





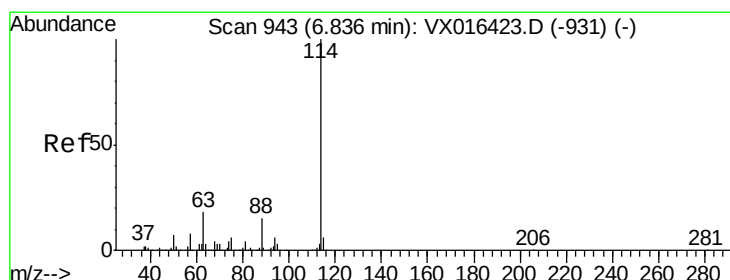
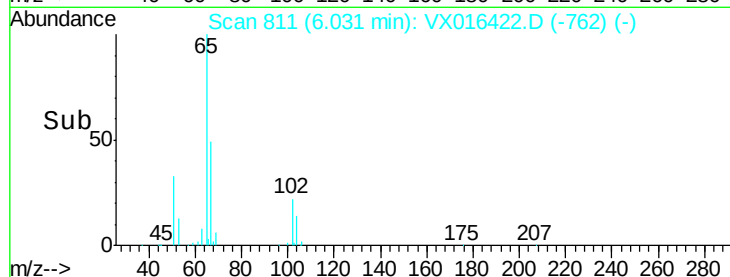
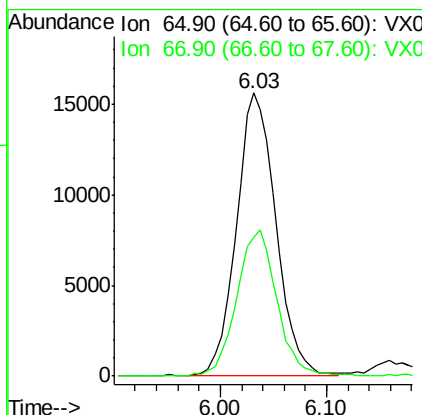
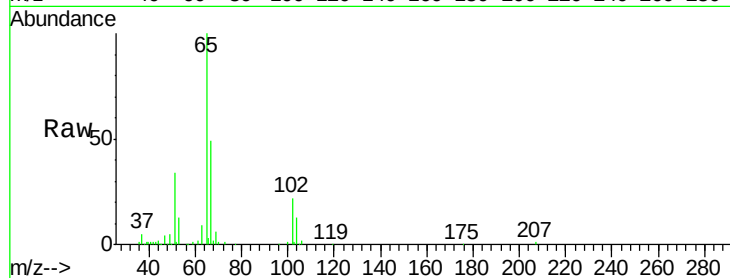
#33
 1,2-Dichloroethane-d4
 Concen: 19.598 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016422.D
 Acq: 26 May 2020 13:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	104.2

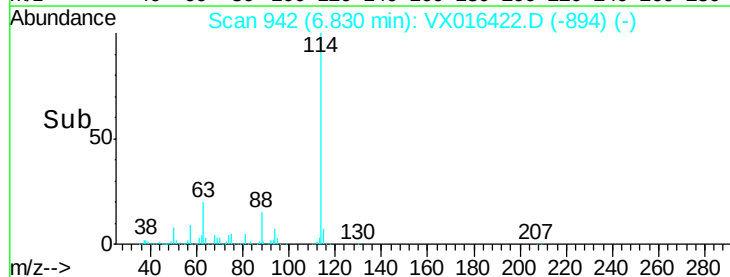
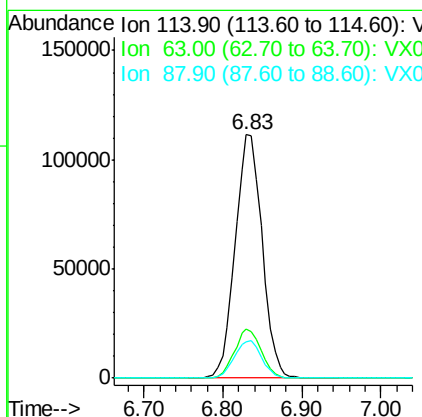
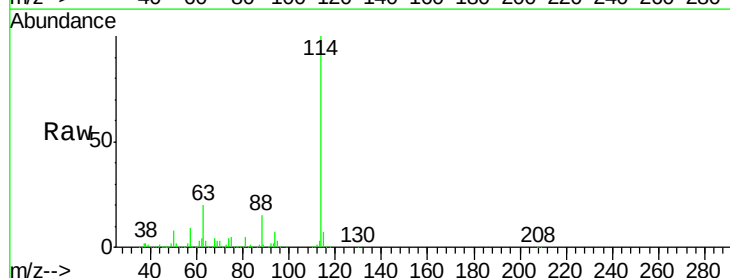
Manual Integrations
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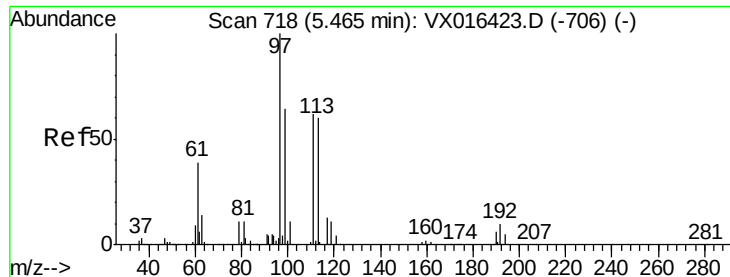
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VX016422.D
 Acq: 26 May 2020 13:17

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	36.4
88	14.8	0.0	29.2





#35

Dibromofluoromethane

Concen: 18.499 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016422.D

Acq: 26 May 2020 13:17

Instrument :

MSVOA_X

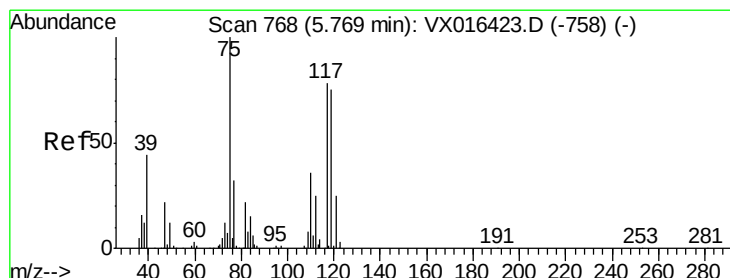
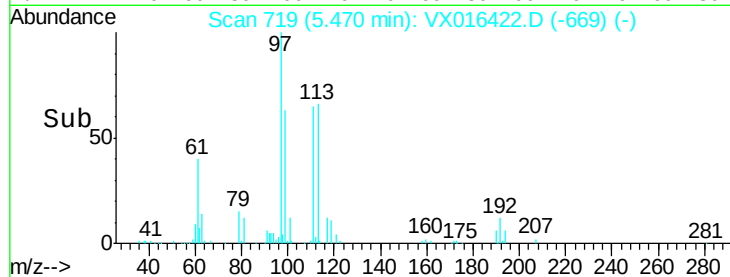
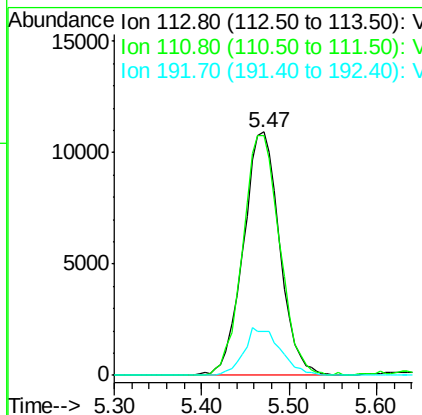
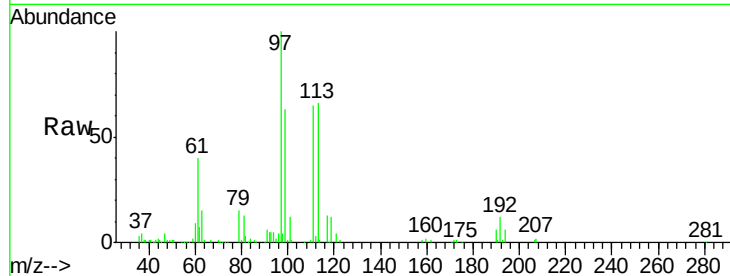
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	31484
Ion Ratio	Lower	Upper	
113	100		
111	100.5	82.5	123.7
192	19.4	16.5	24.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 15.505 ug/l

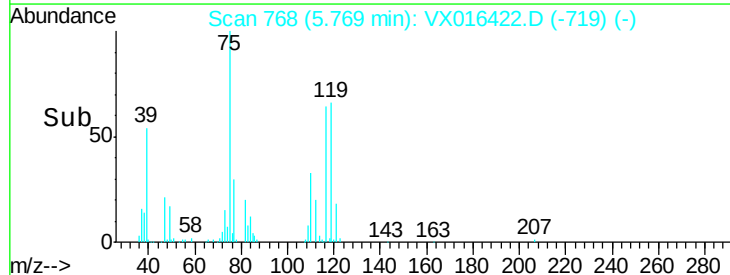
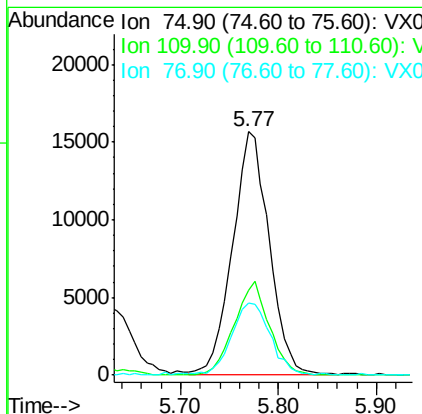
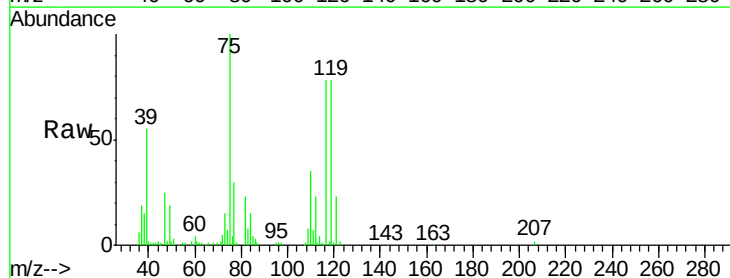
RT: 5.77 min Scan# 768

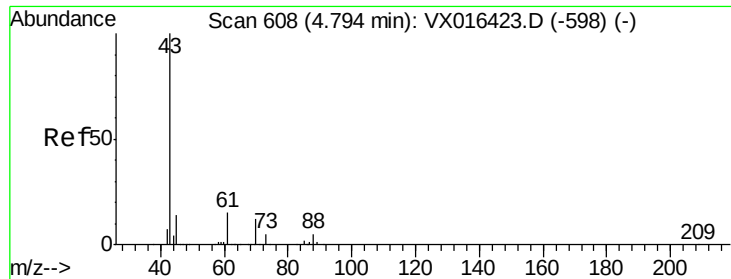
Delta R.T. -0.00 min

Lab File: VX016422.D

Acq: 26 May 2020 13:17

Tgt Ion:	75	Resp:	40257
Ion Ratio	Lower	Upper	
75	100		
110	37.5	18.7	56.1
77	31.8	24.9	37.3





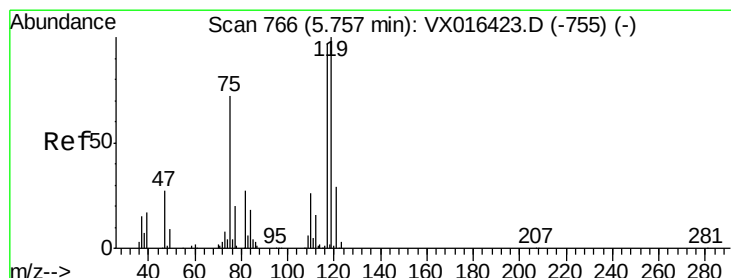
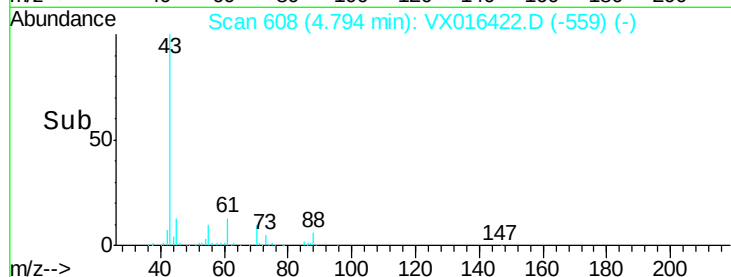
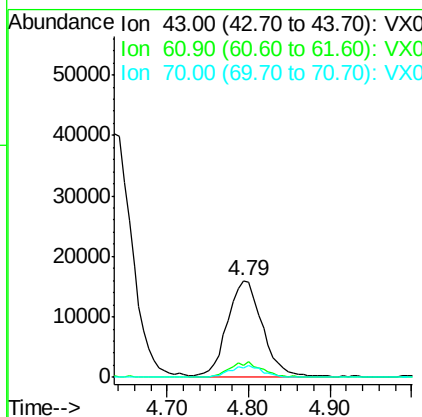
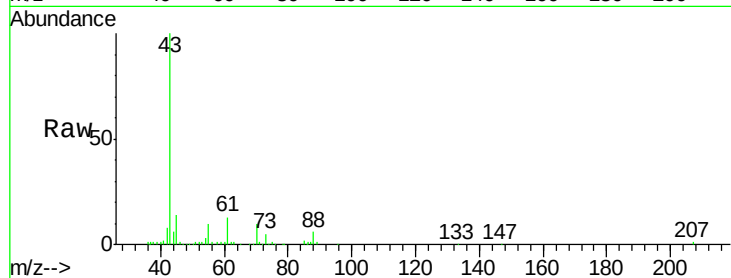
#37
Ethyl Acetate
Concen: 15.711 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.8	17.8
70	11.6	9.6	14.4

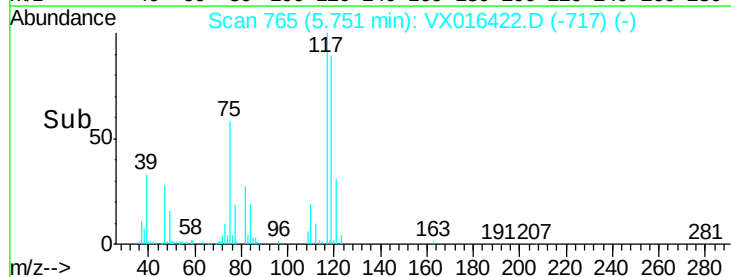
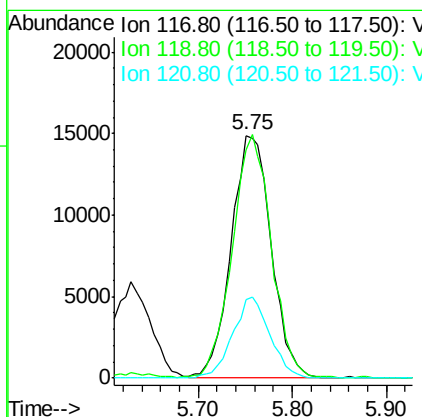
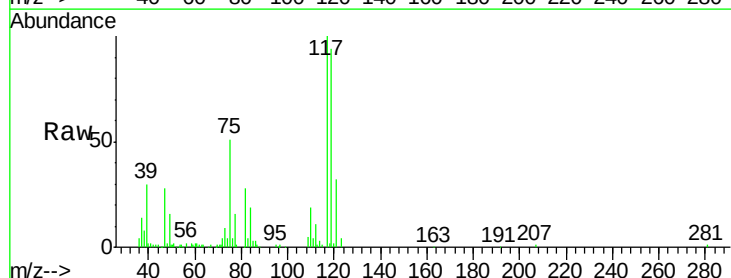
Manual Integrations
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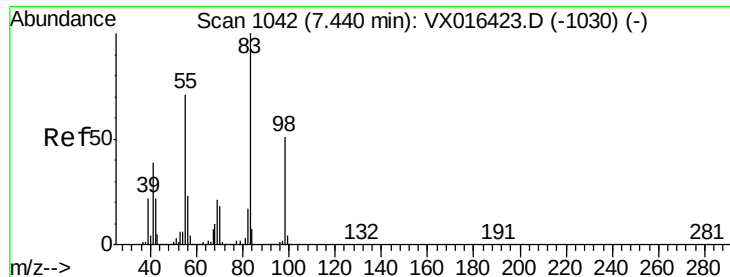
MMDadoda
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#38
Carbon Tetrachloride
Concen: 16.685 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	82.2	123.4
121	32.2	24.1	36.1





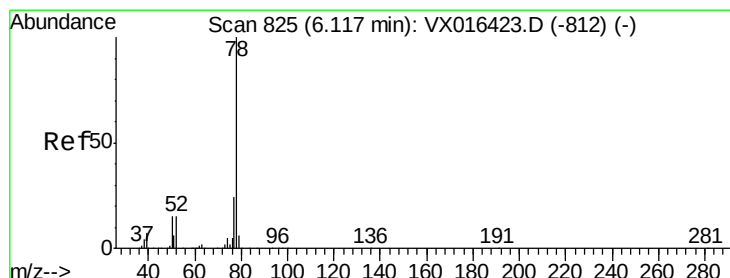
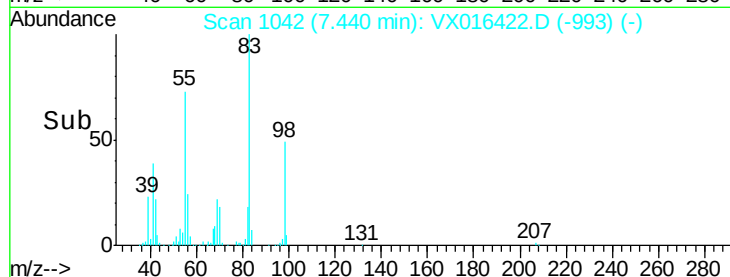
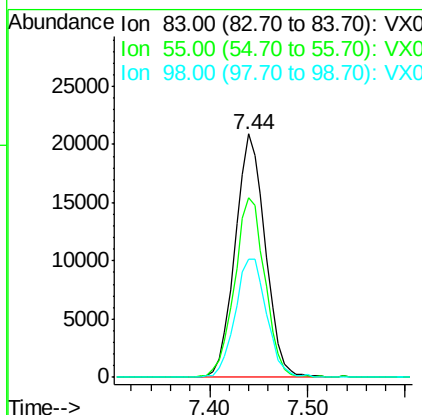
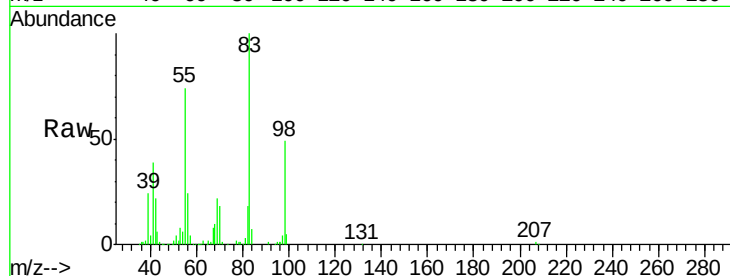
#39
Methylvlcyclohexane
Concen: 14.487 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.5	56.8	85.2
98	48.6	40.6	61.0

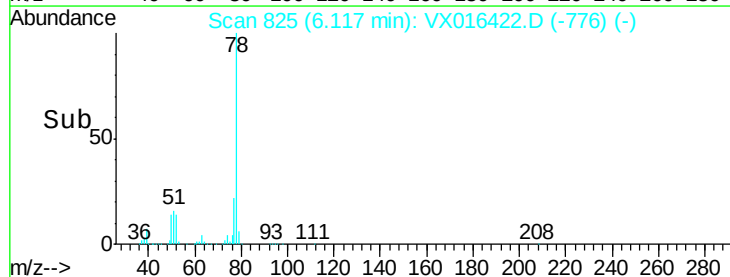
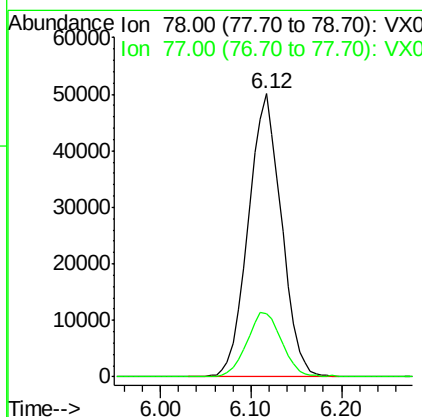
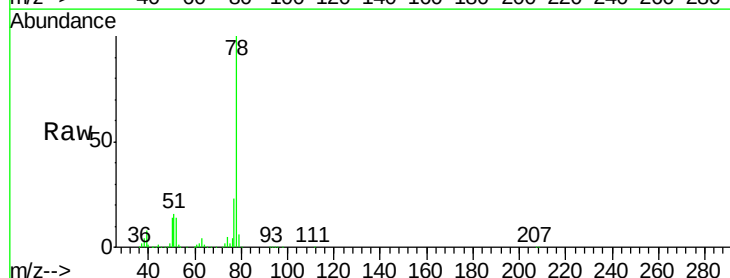
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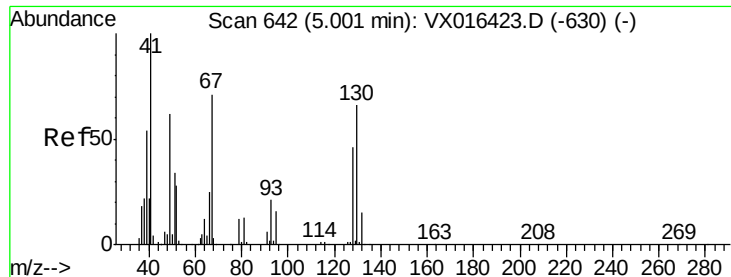
MMDadoda
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#40
Benzene
Concen: 16.630 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.9	28.3





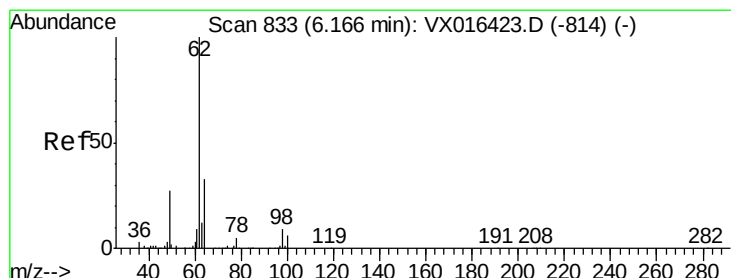
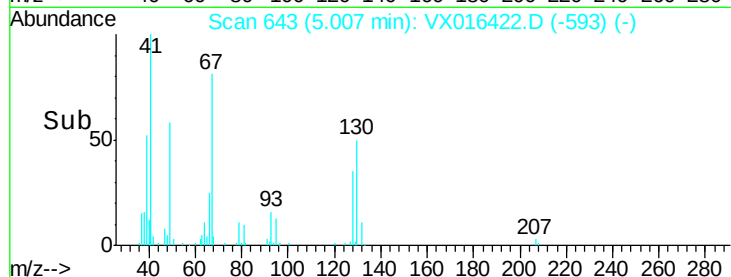
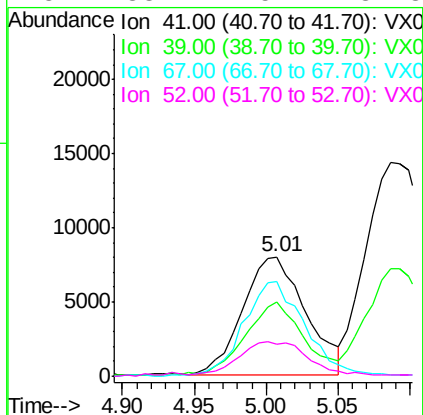
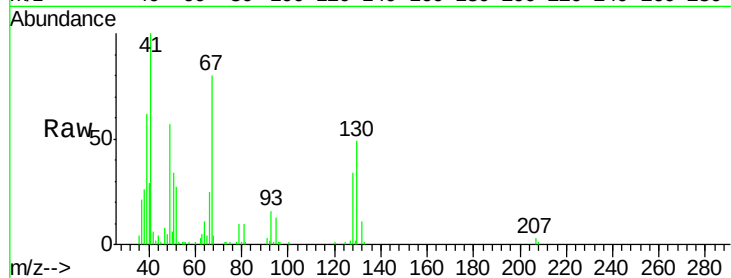
#41
Methacrylonitrile
Concen: 15.053 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.01 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		24061		
39	58.7	44.4	66.6		
67	79.0	62.2	93.4		
52	33.4	25.2	37.8		

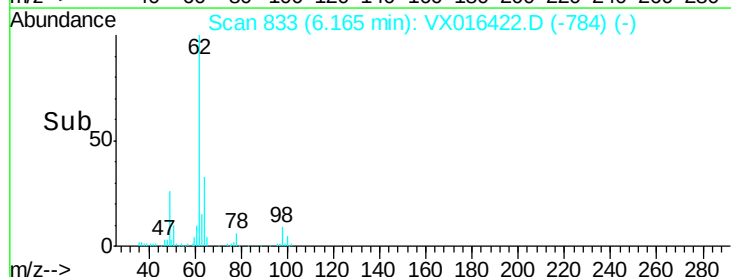
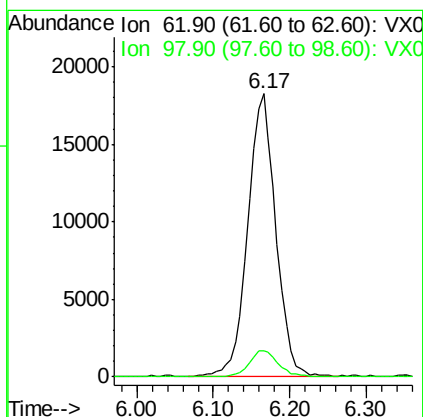
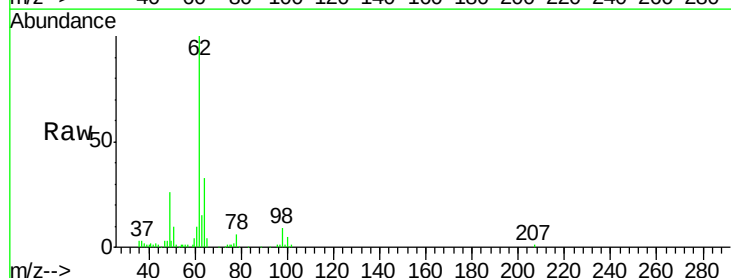
Manual Integrations
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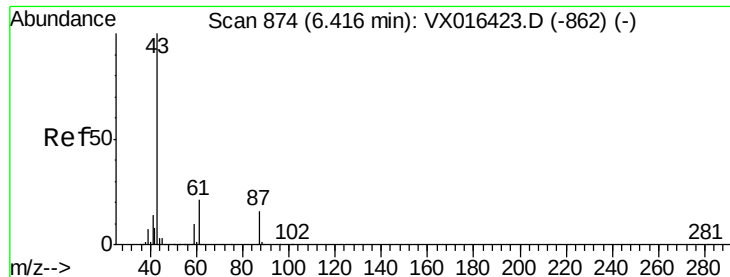
MMDadoda
5/27/2020 12:27:15 PM



#42
1,2-Dichloroethane
Concen: 17.112 ug/l
RT: 6.17 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		46836		
98	9.6	0.0	19.4		





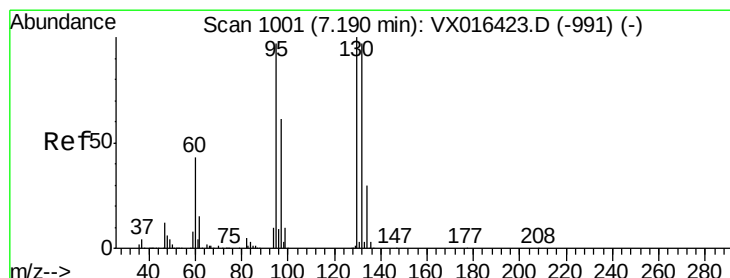
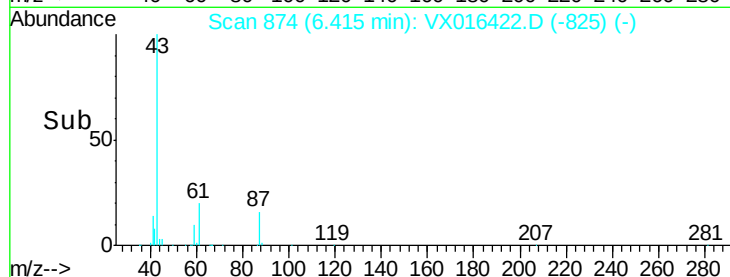
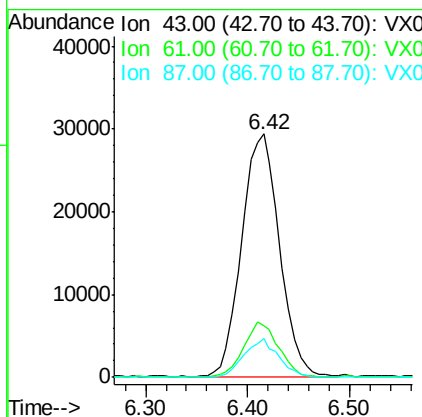
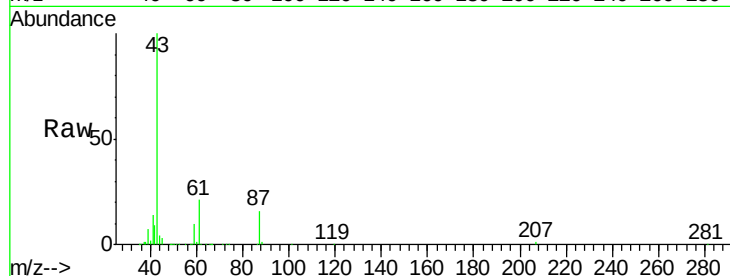
#43
Isopropyl Acetate
Concen: 15.904 ug/l
RT: 6.42 min Scan# 874
Delta R.T. -0.00 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	17.2	25.8
87	14.7	12.3	18.5

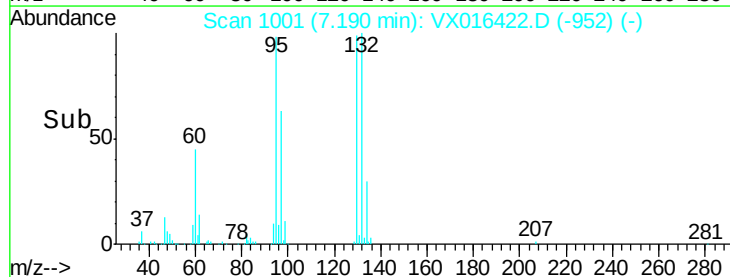
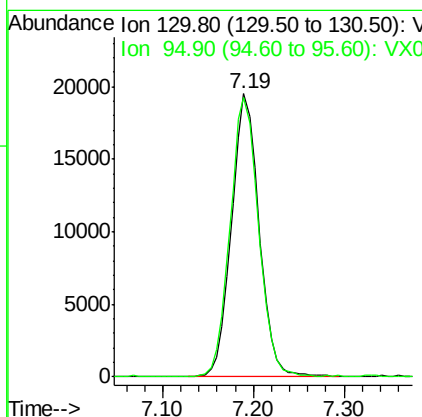
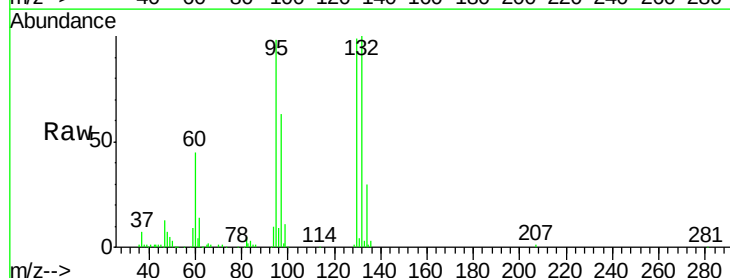
Manual Integrations
APPROVED

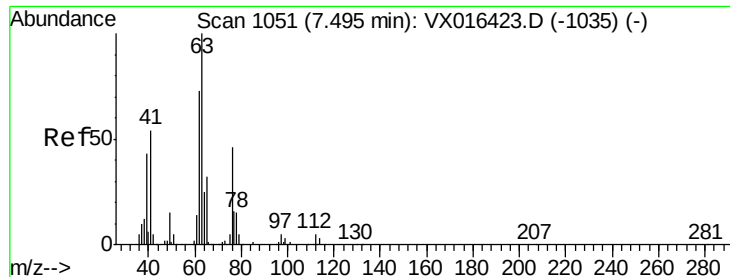
MMDadoda
5/27/2020 12:27:15 PM



#44
Trichloroethene
Concen: 15.329 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	194.0





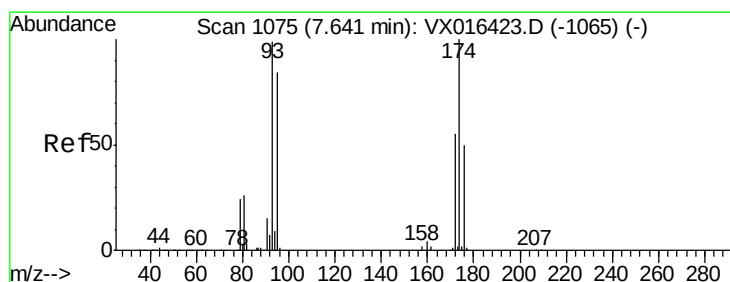
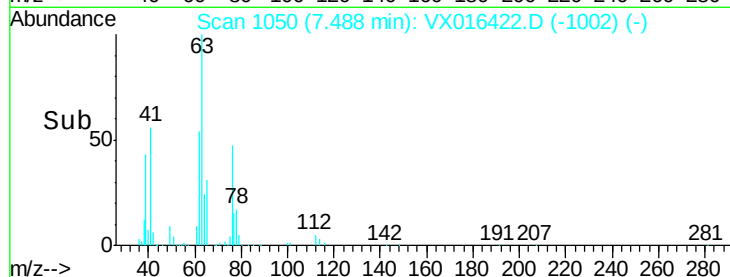
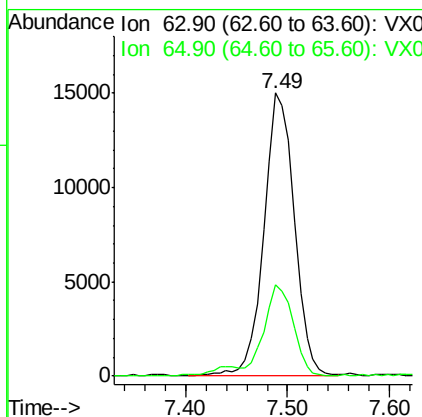
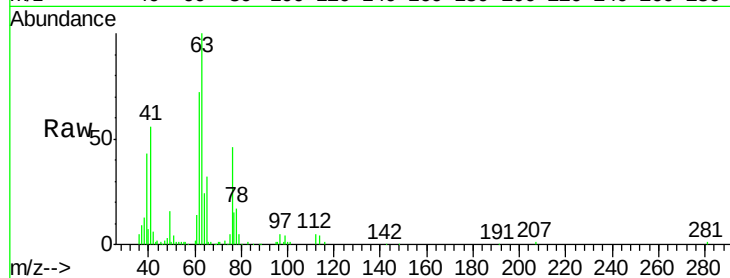
#45
 1,2-Dichloropropane
 Concen: 16.300 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VX016422.D
 Acq: 26 May 2020 13:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.3	37.9

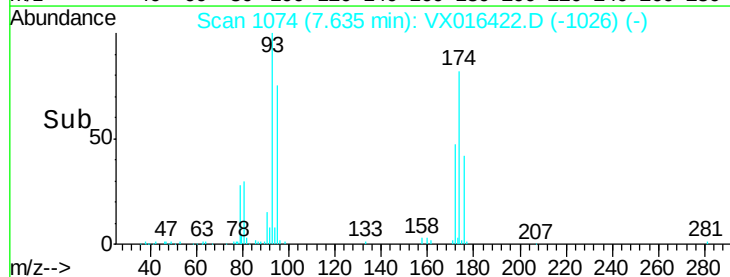
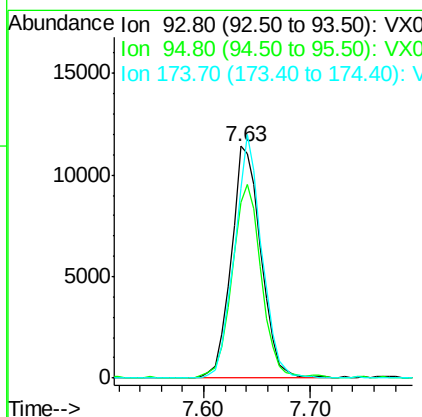
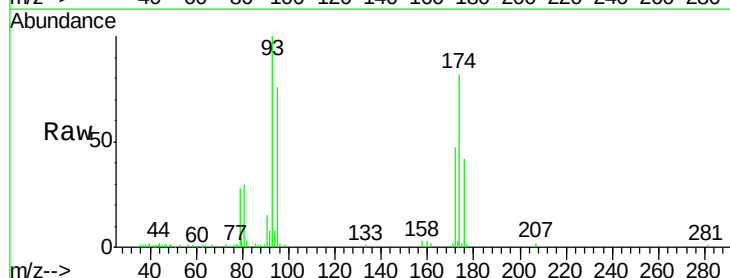
Manual Integrations
 APPROVED

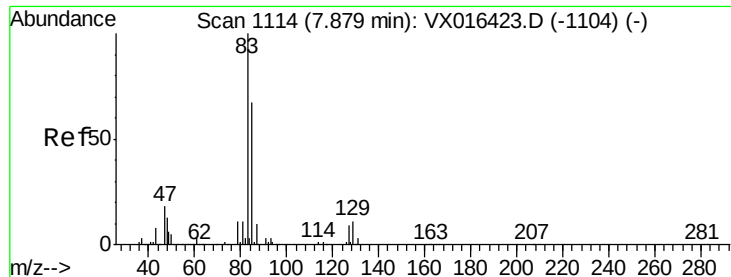
MMDadoda
 5/27/2020 12:27:15 PM



#46
 Dibromomethane
 Concen: 16.929 ug/l
 RT: 7.63 min Scan# 1074
 Delta R.T. -0.01 min
 Lab File: VX016422.D
 Acq: 26 May 2020 13:17

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.6	65.0	97.4
174	96.2	81.4	122.0





#47

Bromodichloromethane

Concen: 16.948 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016422.D

Acq: 26 May 2020 13:17

Instrument :

MSVOA_X

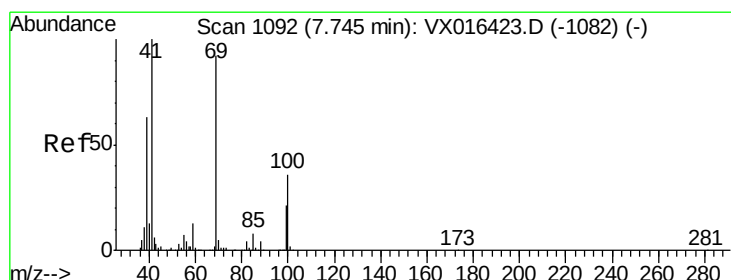
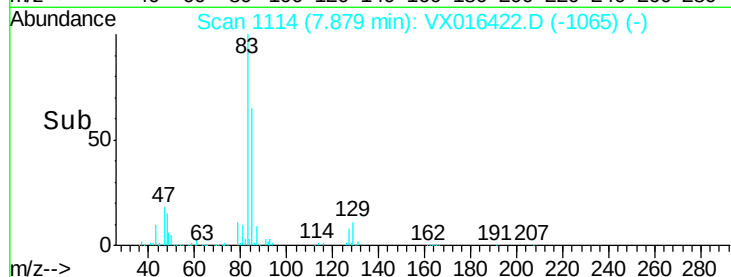
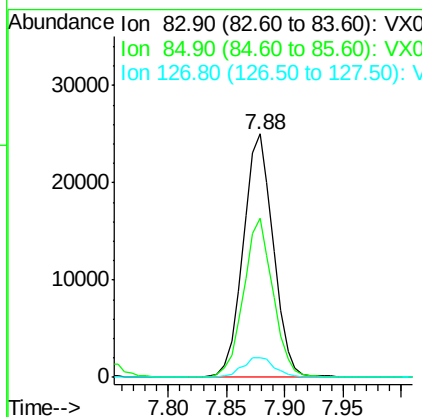
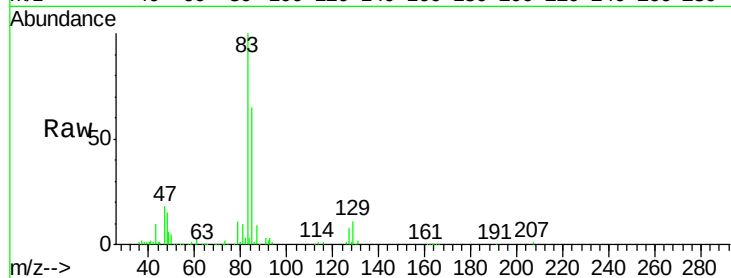
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	45223
Ion	Ratio	Lower	Upper
83	100		
85	65.3	53.8	80.8
127	8.2	7.4	11.2

Manual Integrations
APPROVED

MMDadoda
5/27/2020 12:27:15 PM



#48

Methyl methacrylate

Concen: 15.064 ug/l

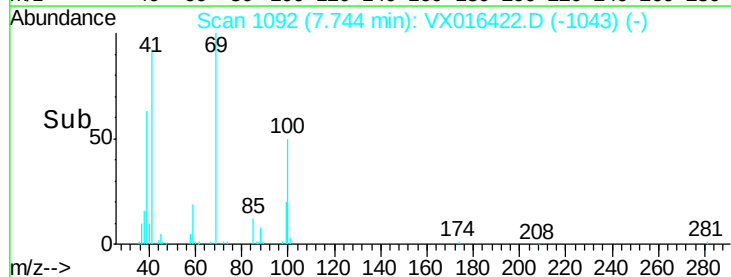
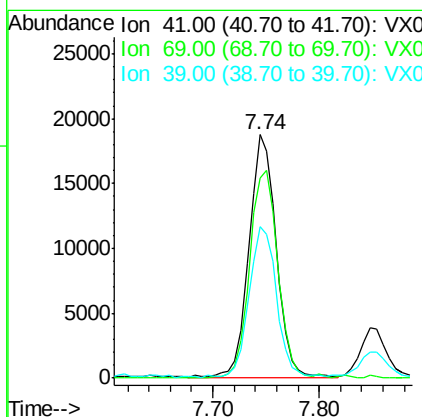
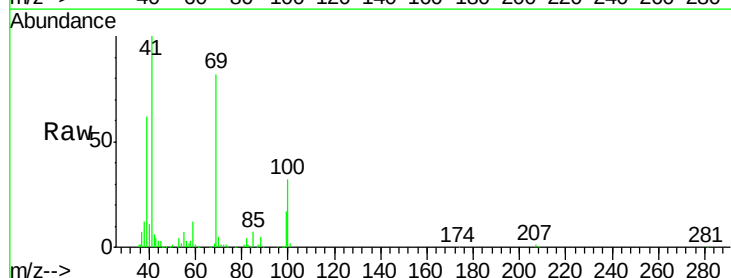
RT: 7.74 min Scan# 1092

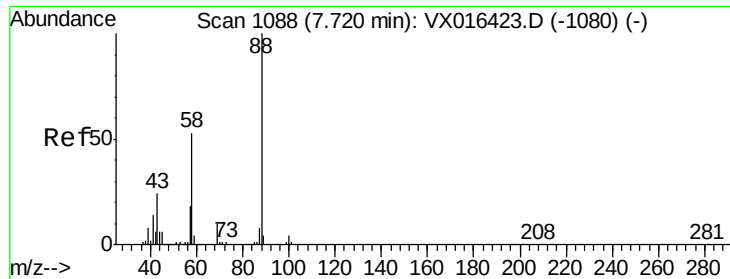
Delta R.T. -0.00 min

Lab File: VX016422.D

Acq: 26 May 2020 13:17

Tgt Ion:	41	Resp:	33640
Ion	Ratio	Lower	Upper
41	100		
69	89.3	71.8	107.8
39	63.0	48.6	73.0





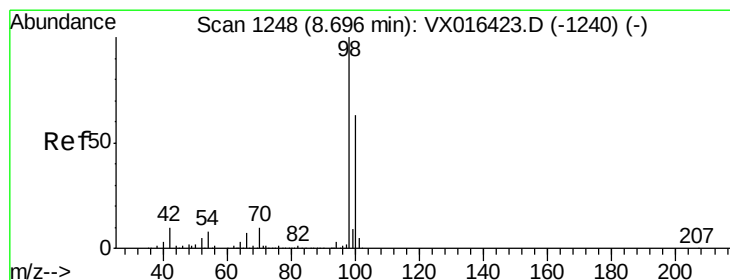
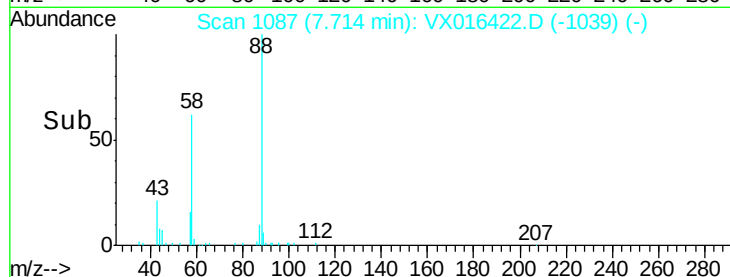
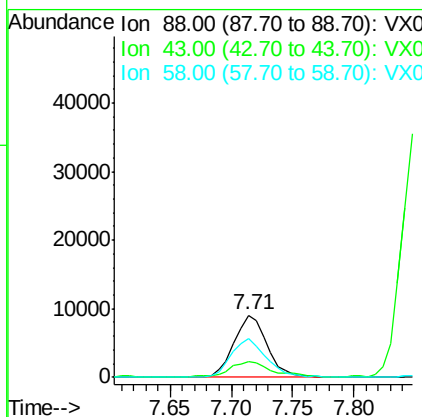
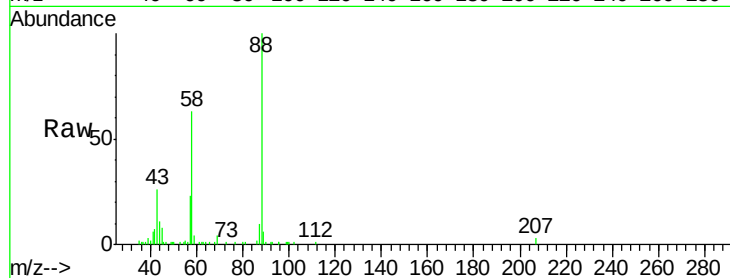
#49
1,4-Dioxane
Concen: 313.878 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.01 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	88	Resp	17063
Ion	Ratio	Lower	Upper
88	100		
43	31.4	23.0	34.6
58	67.5	51.7	77.5

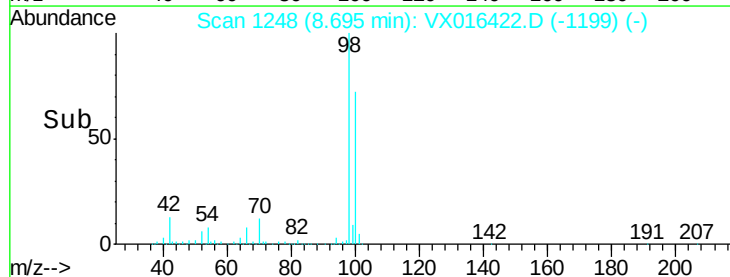
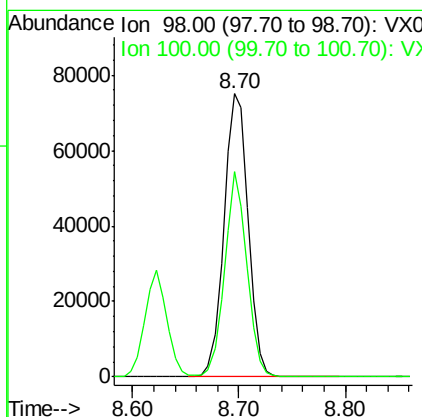
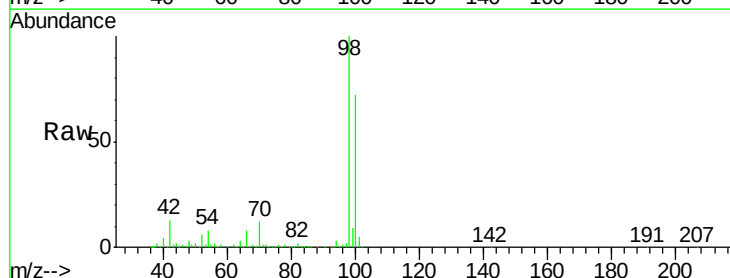
Manual Integrations
APPROVED

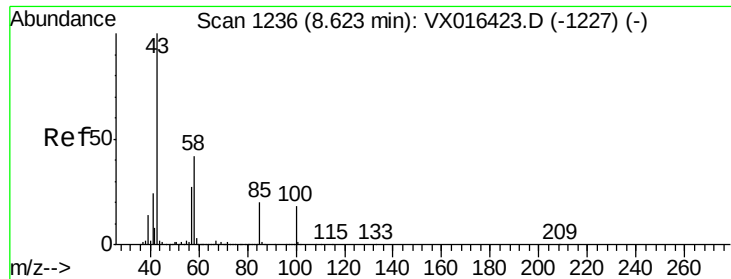
MMDadoda
5/27/2020 12:27:15 PM



#50
Toluene-d8
Concen: 18.207 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Tgt Ion	98	Resp	119148
Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.6	78.8





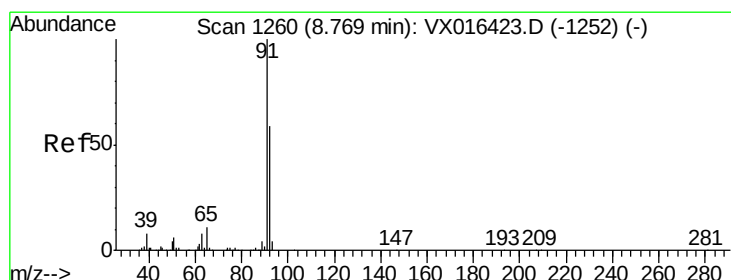
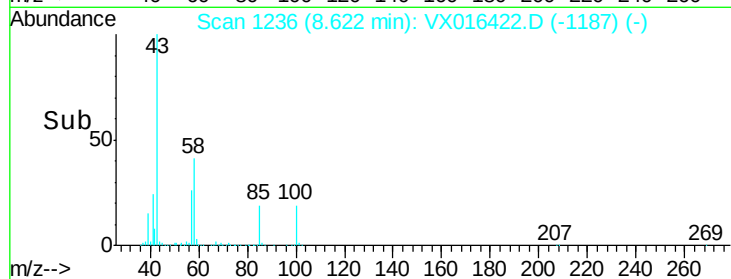
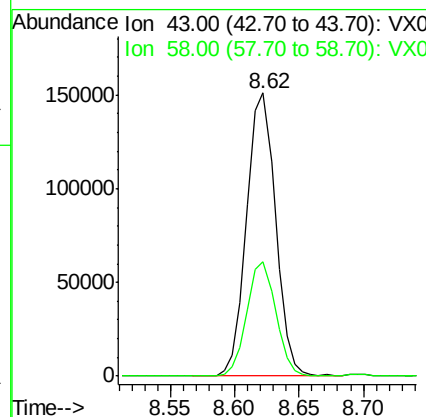
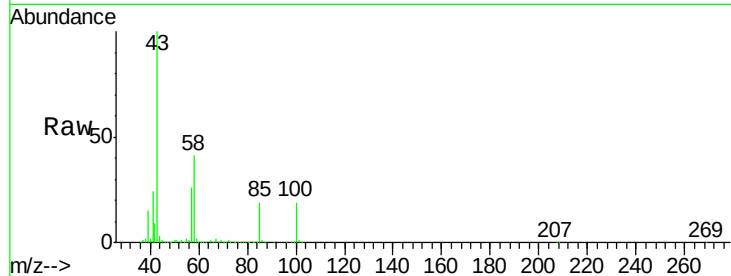
#51
4-Methyl-2-Pentanone
Concen: 81.069 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.4	33.8	50.6

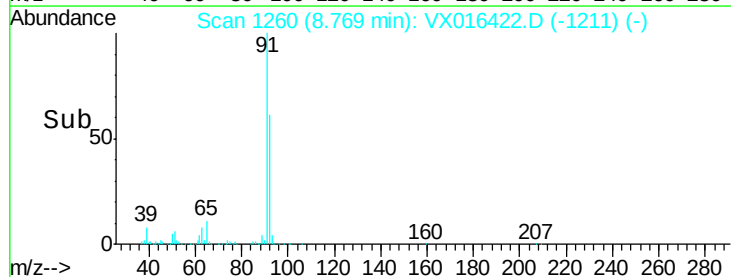
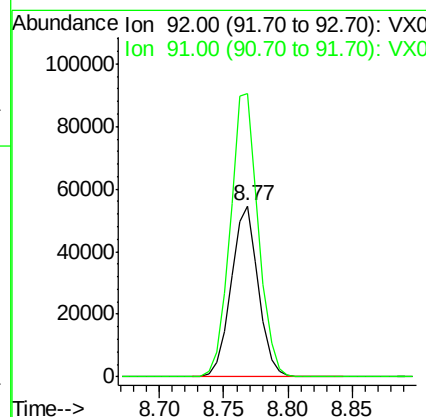
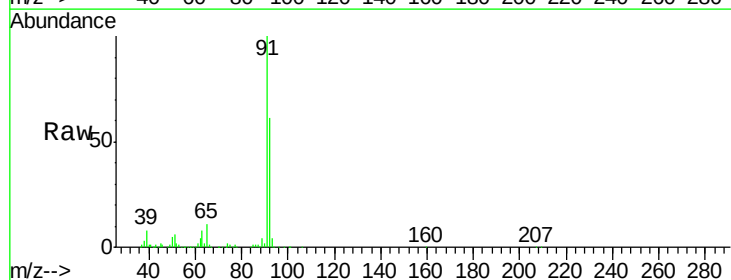
Manual Integrations
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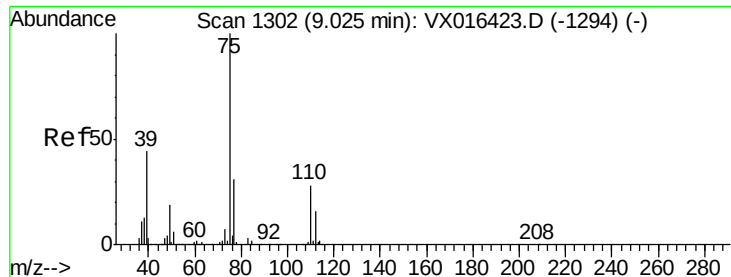
MMDadoda
5/27/2020 12:27:15 PM



#52
Toluene
Concen: 16.989 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.5	135.7	203.5





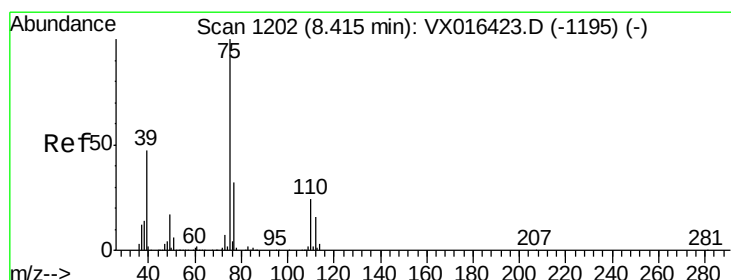
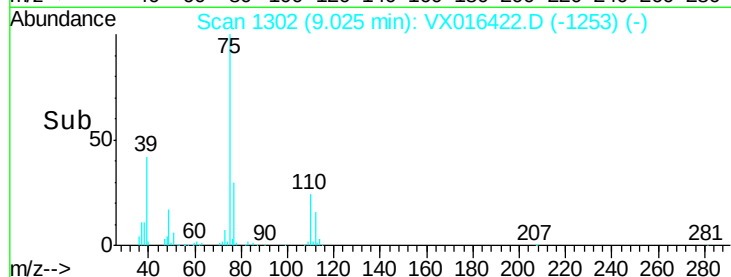
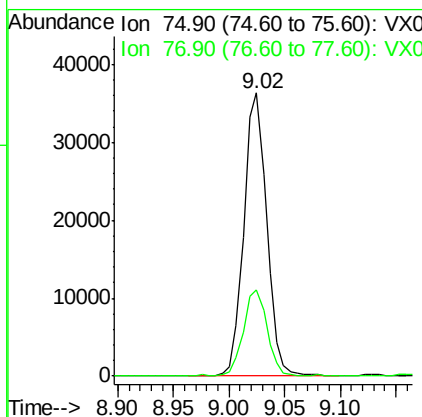
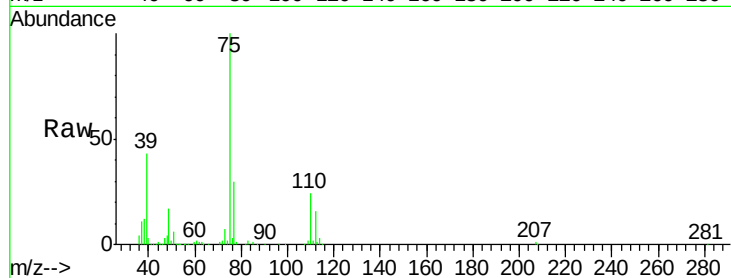
#53
t-1,3-Dichloropropene
Concen: 16.426 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 52094
Ion Ratio Lower Upper
75 100
77 30.5 25.0 37.4

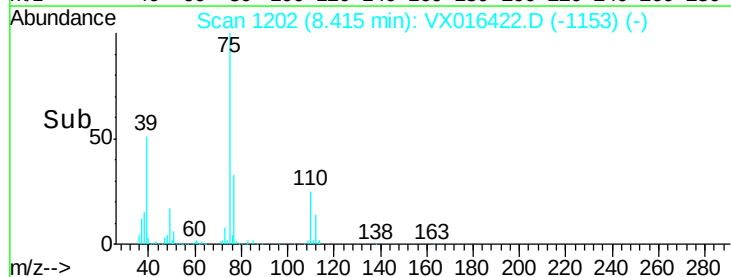
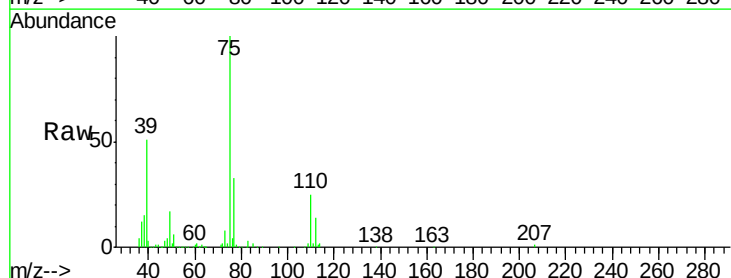
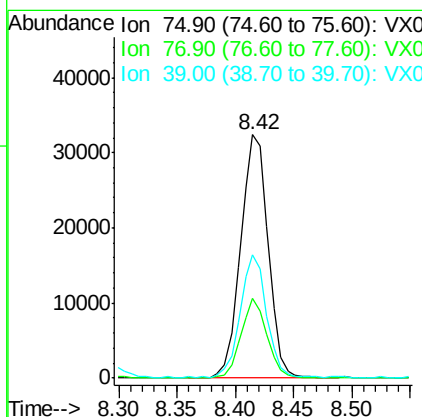
Manual Integrations
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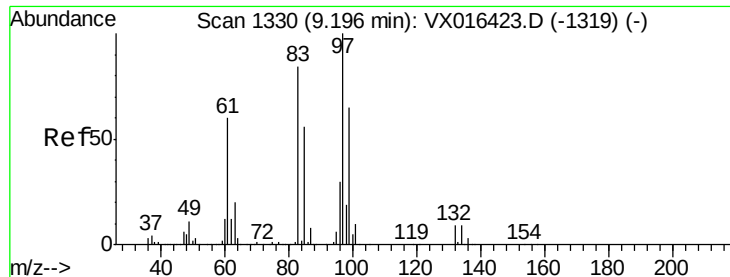
MMDadoda
5/27/2020 12:27:15 PM



#54
cis-1,3-Dichloropropene
Concen: 16.231 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Tgt Ion: 75 Resp: 53541
Ion Ratio Lower Upper
75 100
77 32.4 25.4 38.0
39 50.3 37.7 56.5





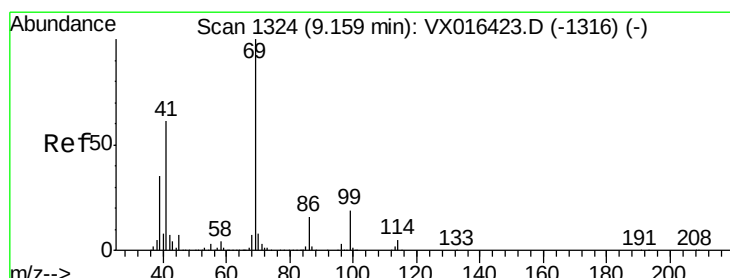
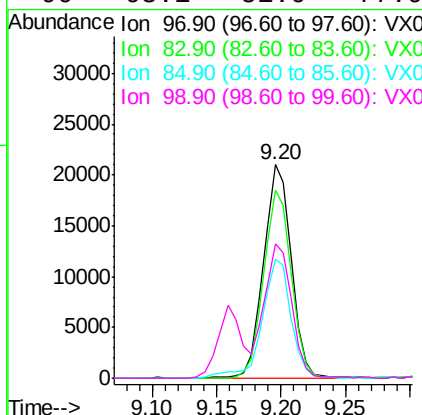
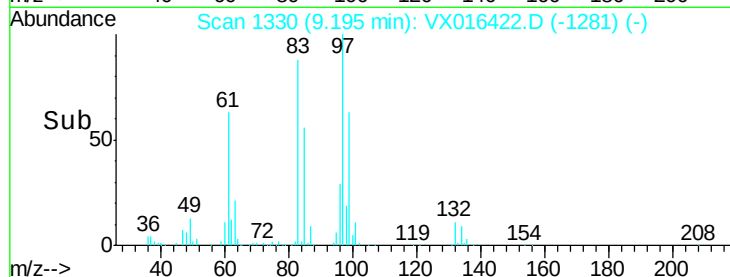
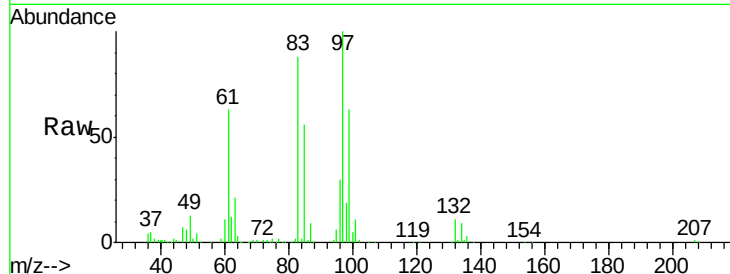
#55
 1,1,2-Trichloroethane
 Concen: 16.745 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016422.D
 Acq: 26 May 2020 13:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	31513
Ion	Ratio	Lower	Upper
97	100		
83	88.4	66.9	100.3
85	55.7	45.2	67.8
99	63.1	51.9	77.9

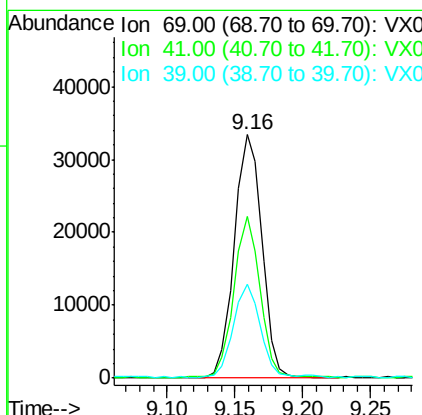
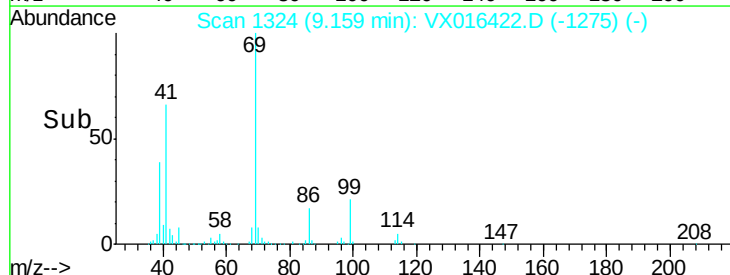
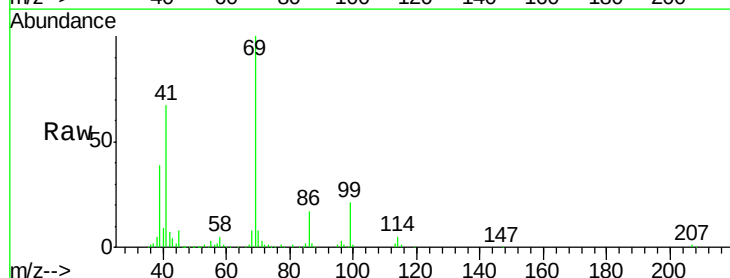
Manual Integrations
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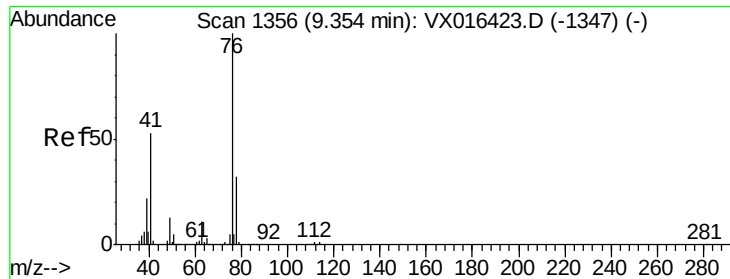
MMDadoda
 5/27/2020 12:27:15 PM



#56
 Ethyl methacrylate
 Concen: 15.703 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016422.D
 Acq: 26 May 2020 13:17

Tgt Ion:	69	Resp:	47492
Ion	Ratio	Lower	Upper
69	100		
41	64.0	47.9	71.9
39	37.8	28.7	43.1





#57

1,3-Dichloropropane

Concen: 17.003 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016422.D

Acq: 26 May 2020 13:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 55418

Ion Ratio Lower Upper

76 100

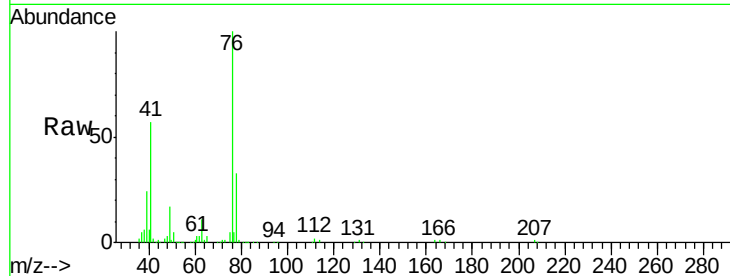
78 33.2 26.1 39.1

Manual Integrations

APPROVED

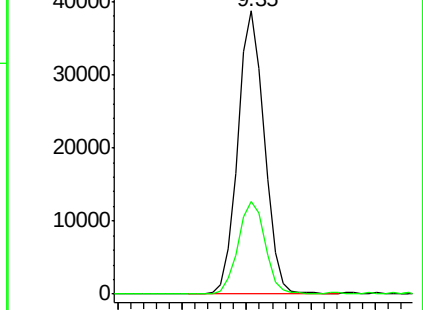
MMDadoda

5/27/2020 12:27:15 PM

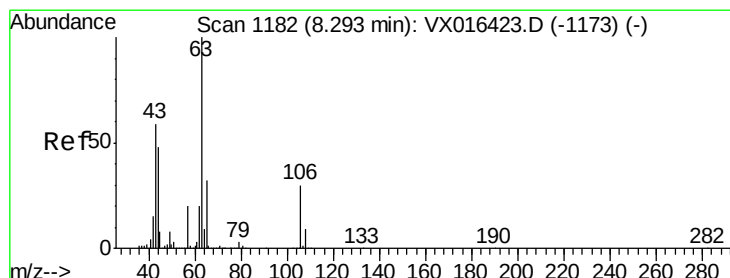
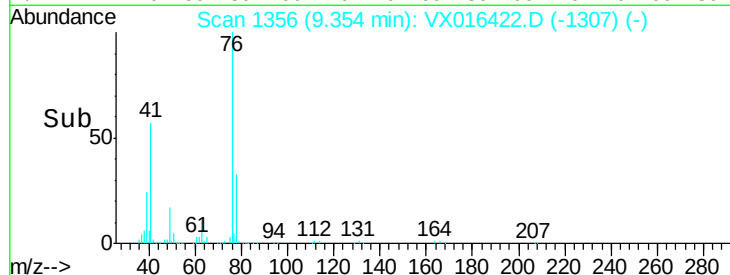


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time--> 9.25 9.30 9.35 9.40 9.45



#58

2-Chloroethyl Vinyl ether

Concen: 83.654 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX016422.D

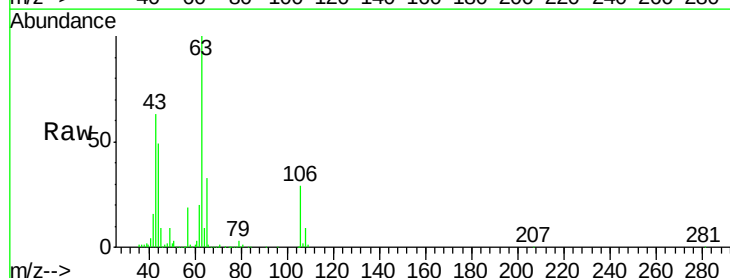
Acq: 26 May 2020 13:17

Tgt Ion: 63 Resp: 134433

Ion Ratio Lower Upper

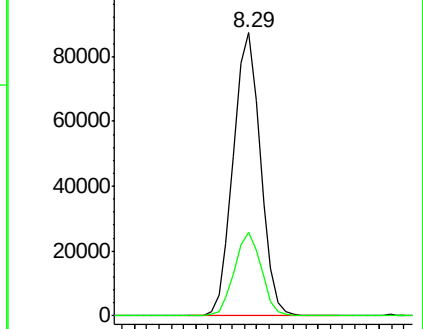
63 100

106 29.2 24.6 36.8

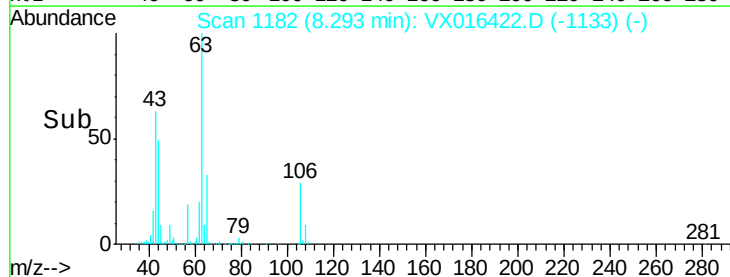


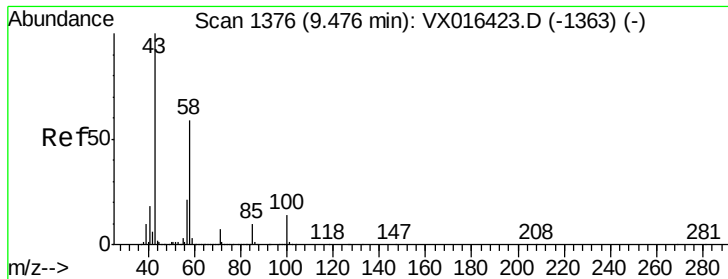
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V



Time--> 8.20 8.25 8.30 8.35 8.40





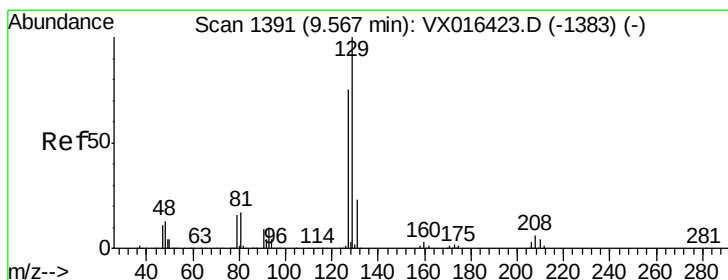
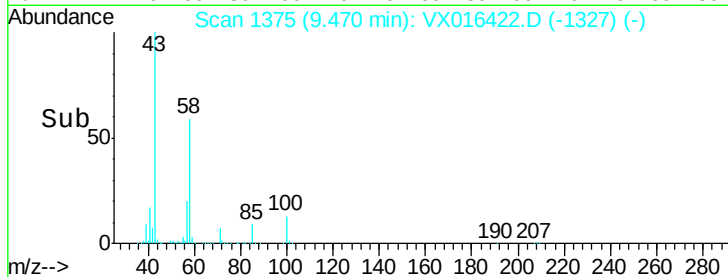
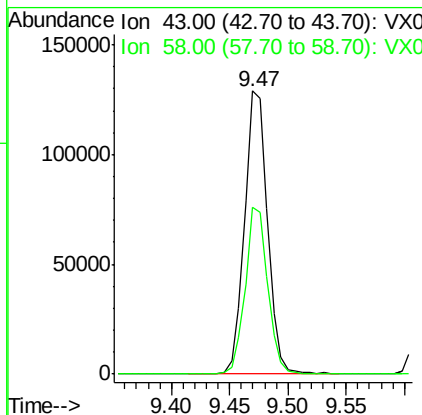
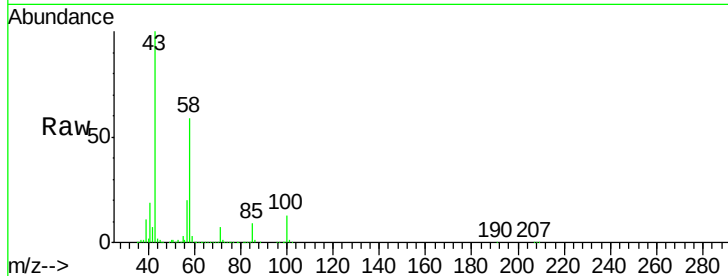
#59
2-Hexanone
Concen: 78.038 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.1	29.1	87.3

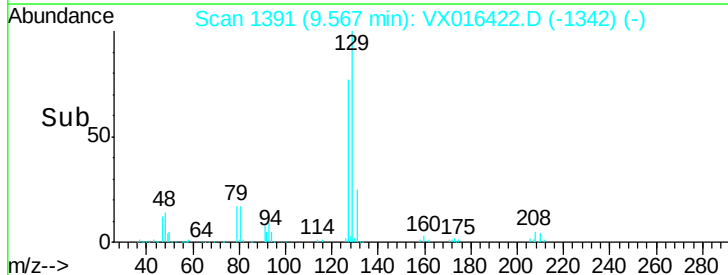
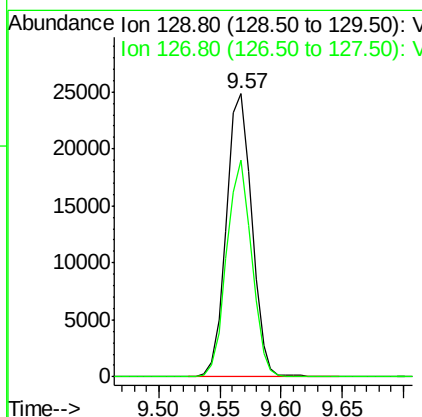
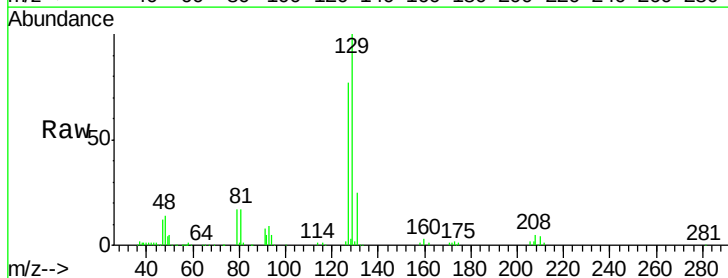
Manual Integrations
APPROVED

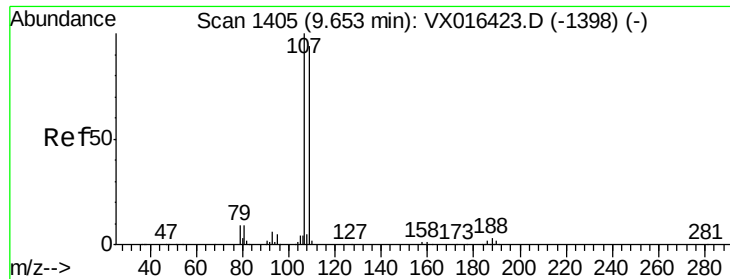
MMDadoda
5/27/2020 12:27:15 PM



#60
Dibromochloromethane
Concen: 17.225 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.1	38.6	115.8





#61

1,2-Dibromoethane

Concen: 17.184 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016422.D

Acq: 26 May 2020 13:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 35130

Ion Ratio Lower Upper

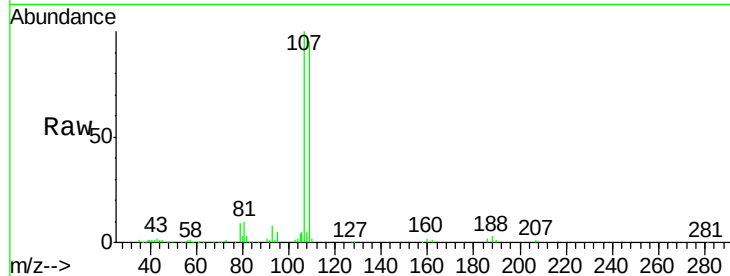
107 100

109 92.9 75.0 112.6

Manual Integrations
APPROVED

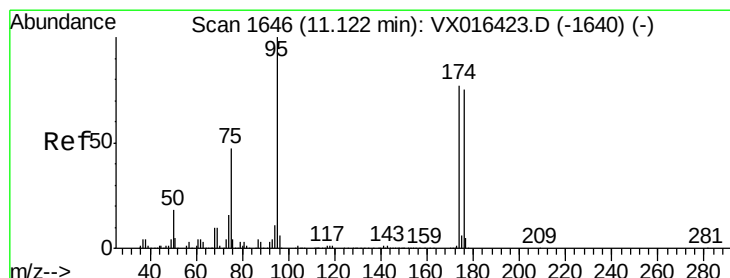
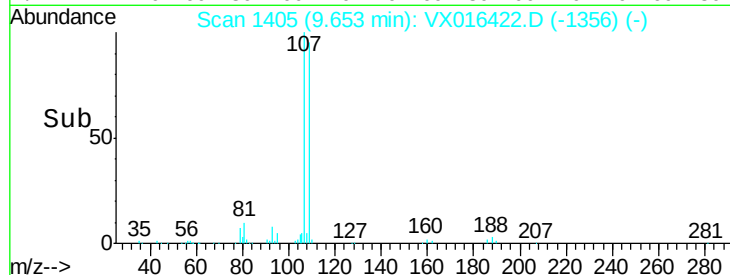
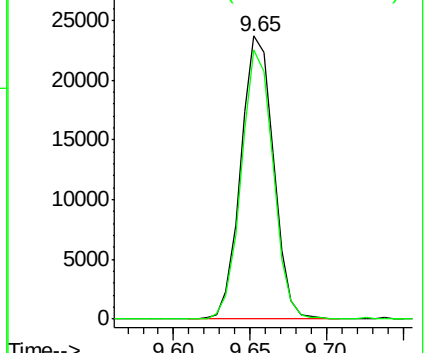
MMDadoda

5/27/2020 12:27:15 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 17.286 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016422.D

Acq: 26 May 2020 13:17

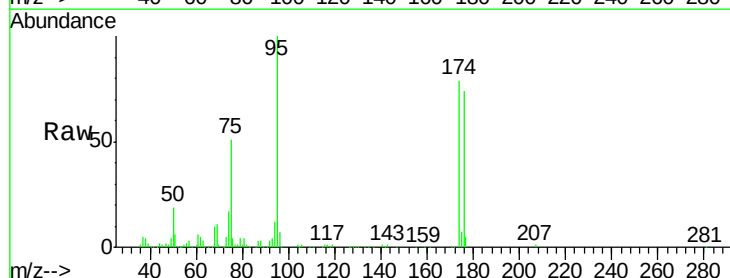
Tgt Ion: 95 Resp: 42769

Ion Ratio Lower Upper

95 100

174 79.4 0.0 162.6

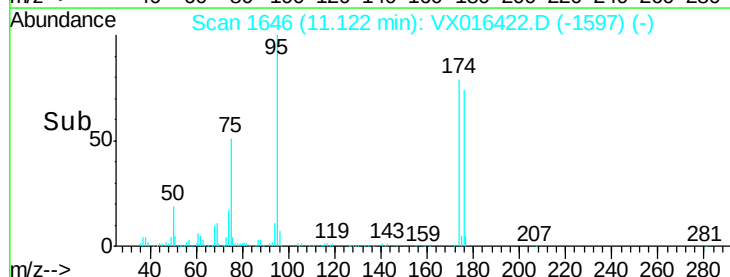
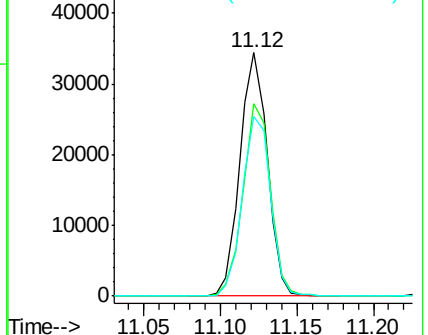
176 76.1 0.0 158.2

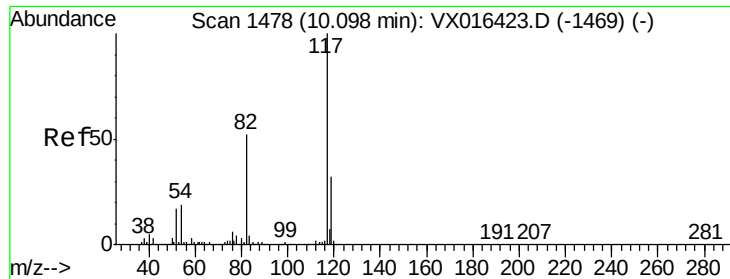


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





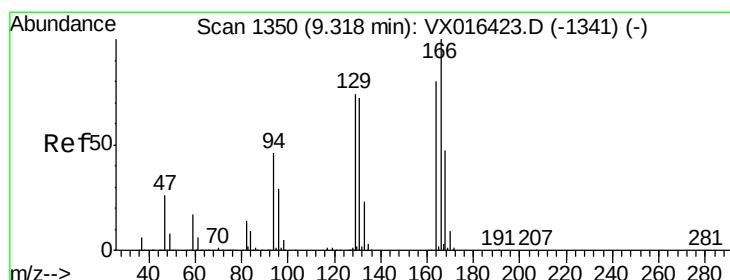
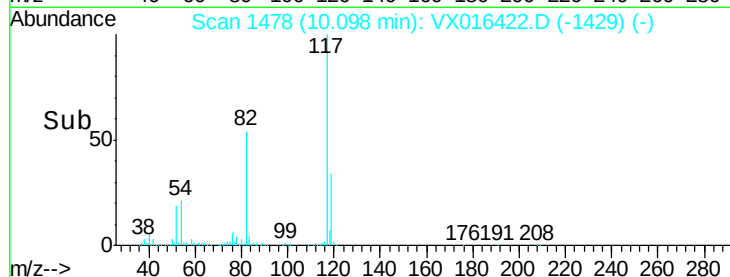
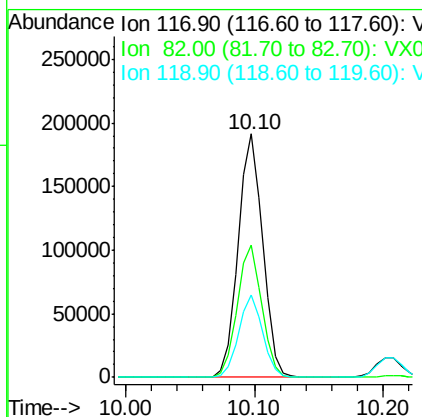
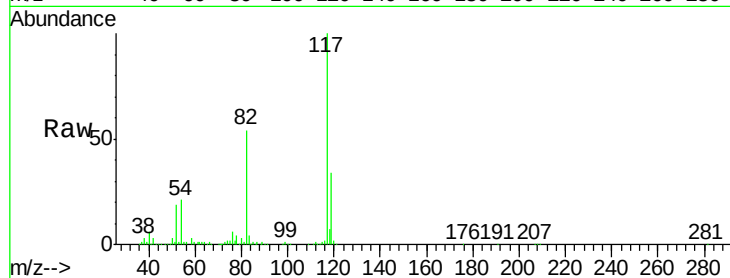
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	252287		
82	54.3		41.8	62.6
119	33.7		25.7	38.5

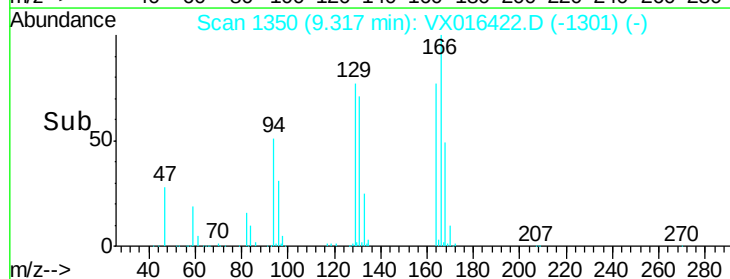
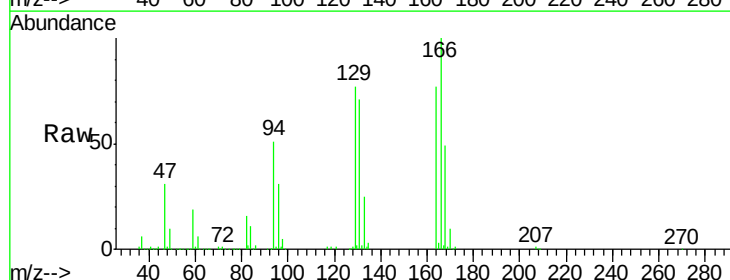
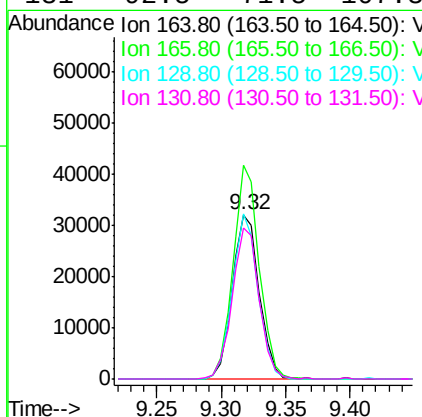
Manual Integrations
APPROVED

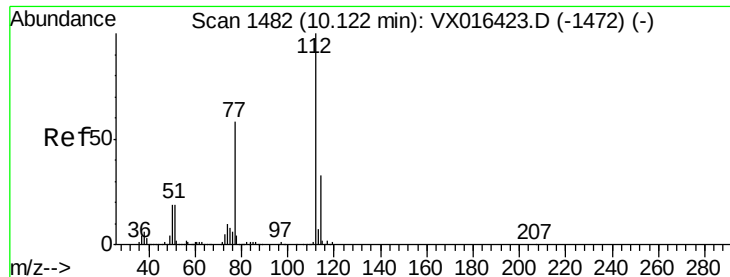
MMDadoda
5/27/2020 12:27:15 PM



#64
Tetrachloroethene
Concen: 15.290 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	46757		
166	130.2		99.5	149.3
129	100.6		73.4	110.0
131	92.5		71.5	107.3





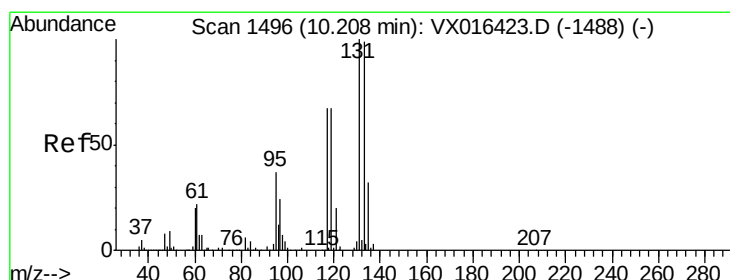
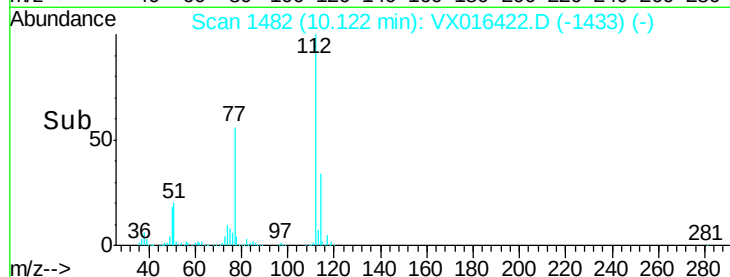
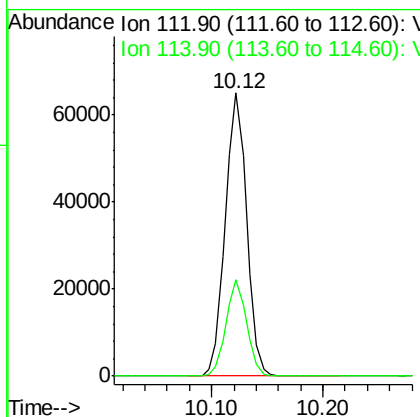
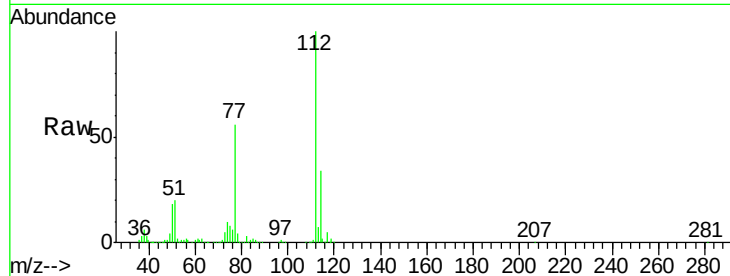
#65
Chlorobenzene
Concen: 16.475 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 86796
Ion Ratio Lower Upper
112 100
114 34.0 26.6 40.0

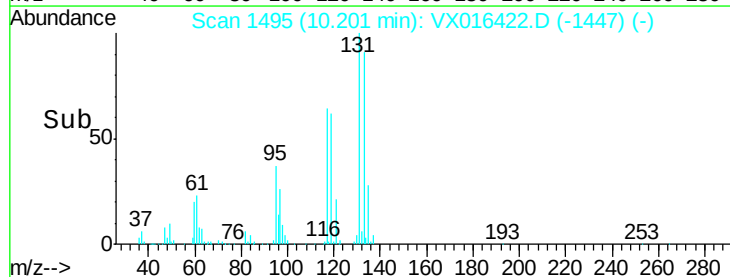
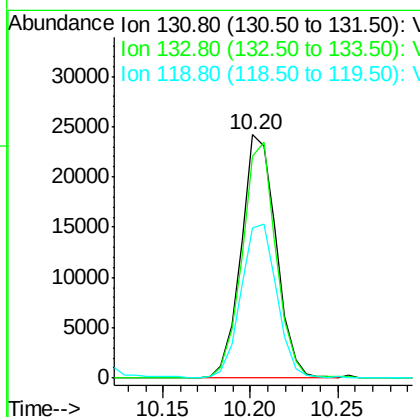
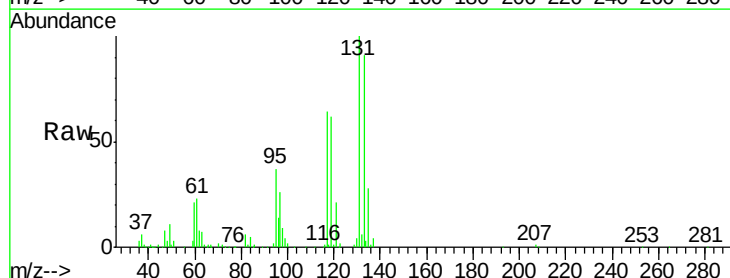
Manual Integrations
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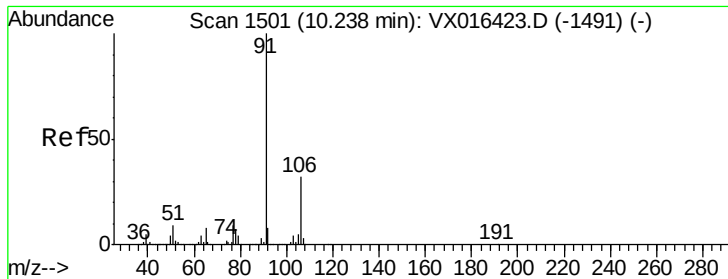
MMDadoda
5/27/2020 12:27:15 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 17.204 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. -0.01 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Tgt Ion:131 Resp: 33595
Ion Ratio Lower Upper
131 100
133 93.9 48.0 144.2
119 64.9 33.0 98.9





#67

Ethyl Benzene

Concen: 16.297 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX016422.D

Acq: 26 May 2020 13:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 152250

Ion Ratio Lower Upper

91 100

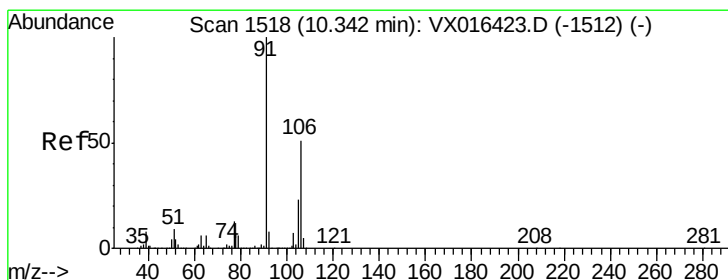
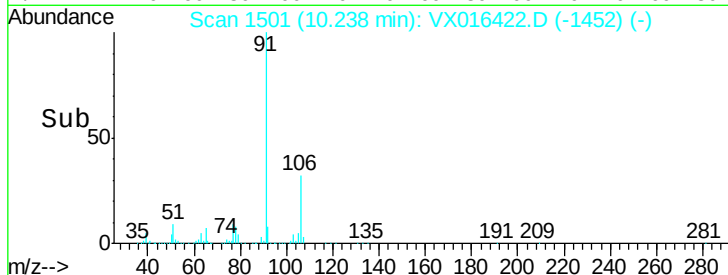
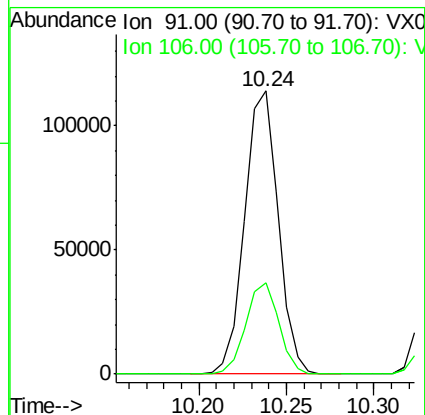
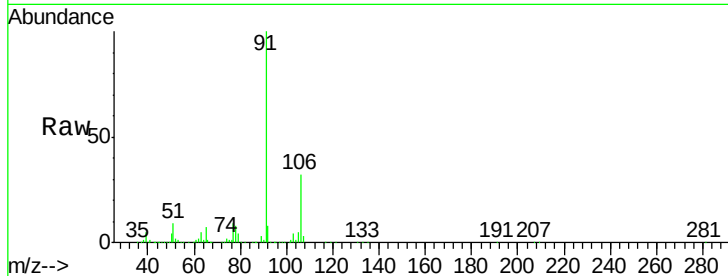
106 32.1 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

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#68

m/p-Xylenes

Concen: 33.159 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX016422.D

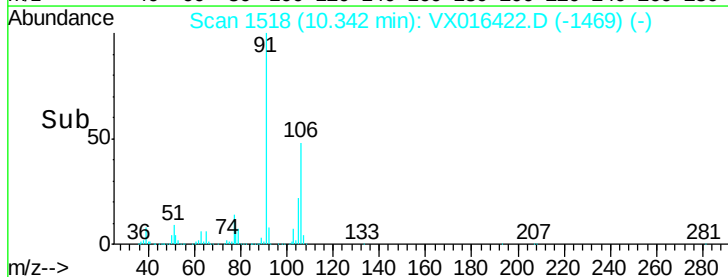
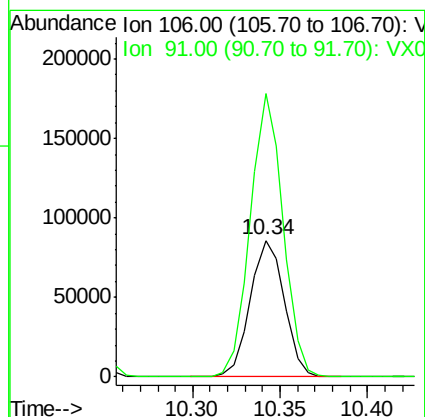
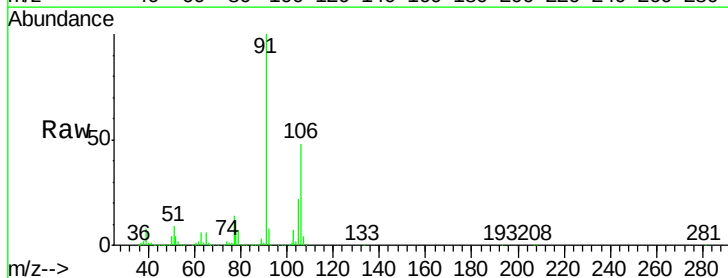
Acq: 26 May 2020 13:17

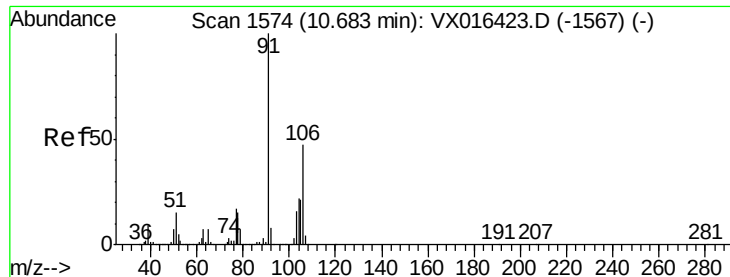
Tgt Ion: 106 Resp: 116396

Ion Ratio Lower Upper

106 100

91 199.6 158.2 237.4





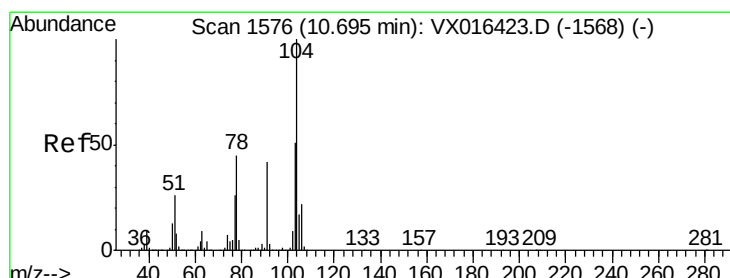
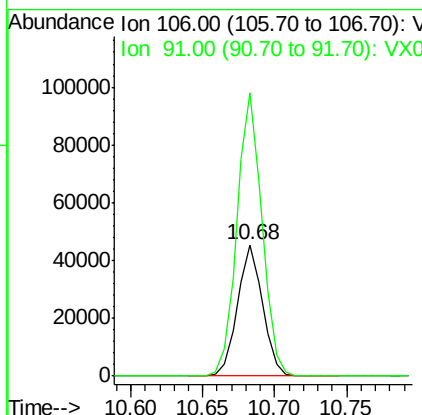
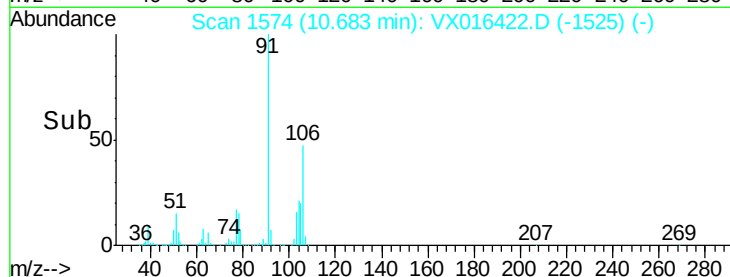
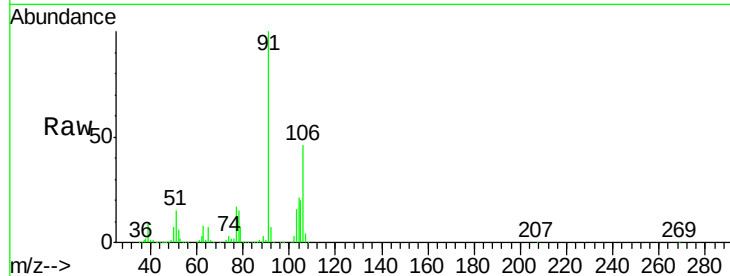
#69
o-Xylene
Concen: 16.419 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	213.9	104.0	312.0

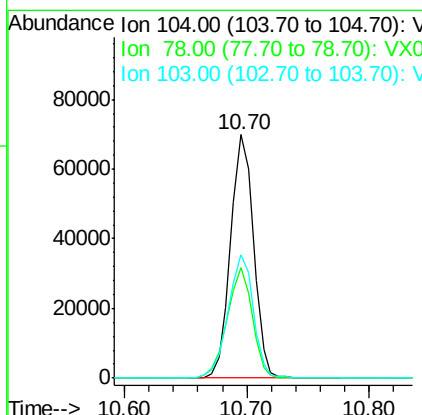
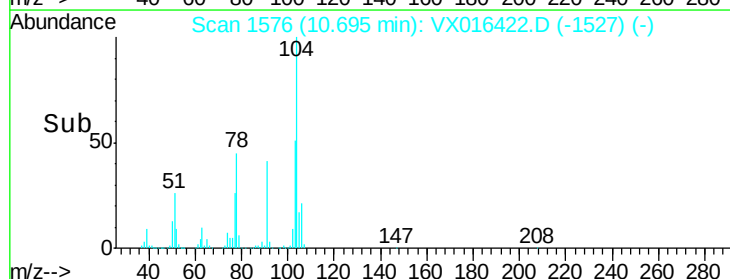
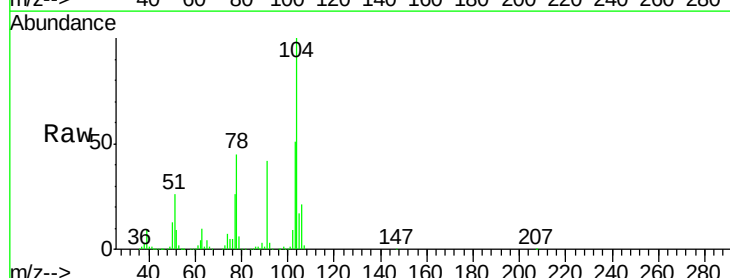
Manual Integrations
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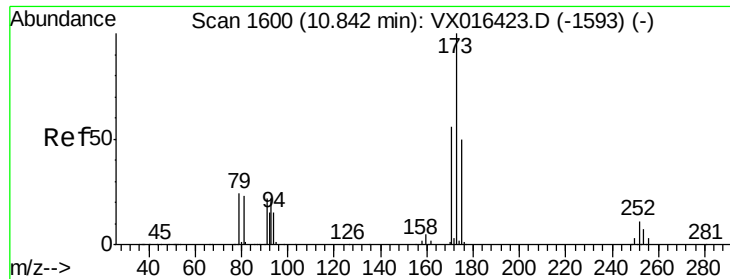
MMDadoda
5/27/2020 12:27:15 PM



#70
Styrene
Concen: 15.868 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	49.9	39.2	58.8
103	103	55.7	43.8	65.6





#71

Bromoform

Concen: 15.973 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016422.D

Acq: 26 May 2020 13:17

Instrument :

MSVOA_X

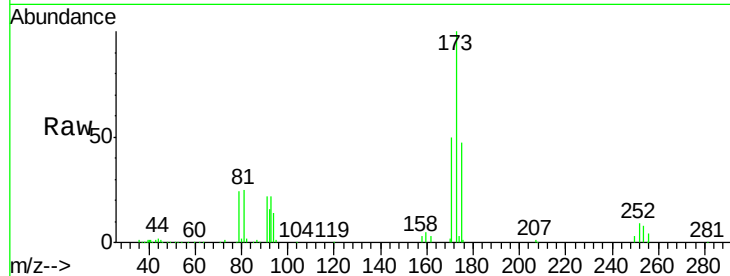
ClientSampled :

VSTDIC020

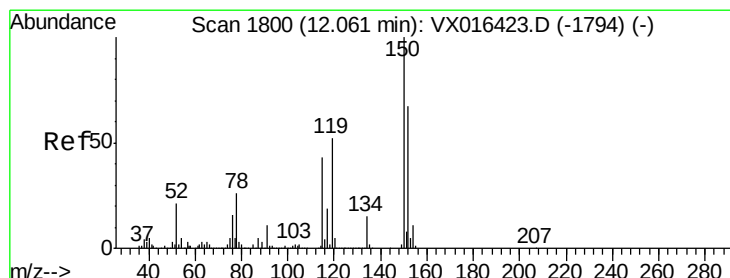
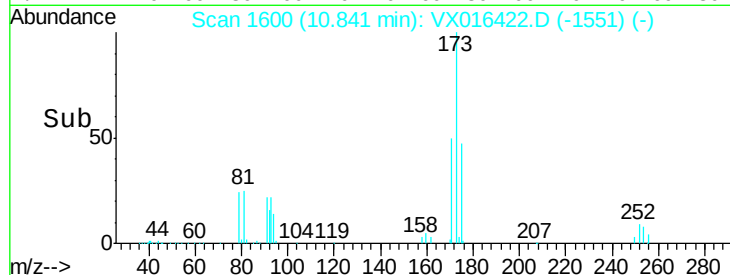
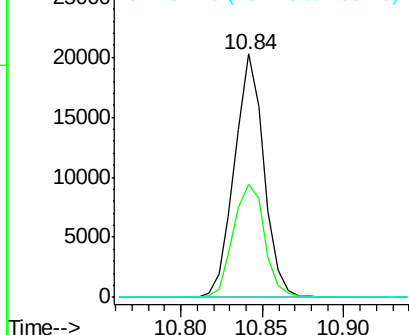
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.5	73.5
254	0.1	0.2	0.2

Manual Integrations
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5/27/2020 12:27:15 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

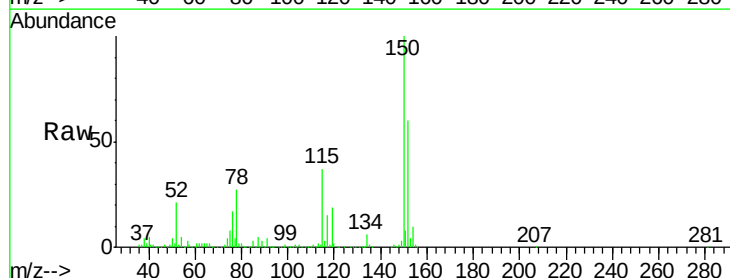
RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

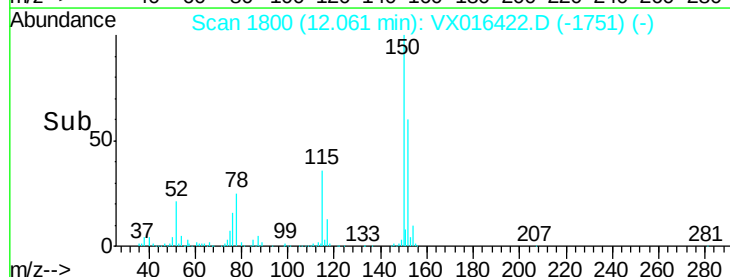
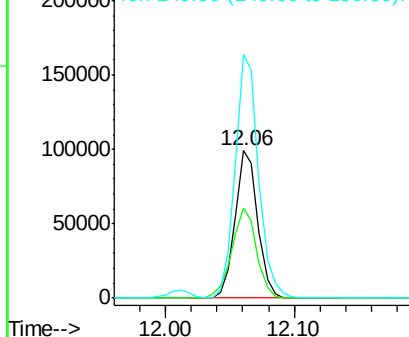
Lab File: VX016422.D

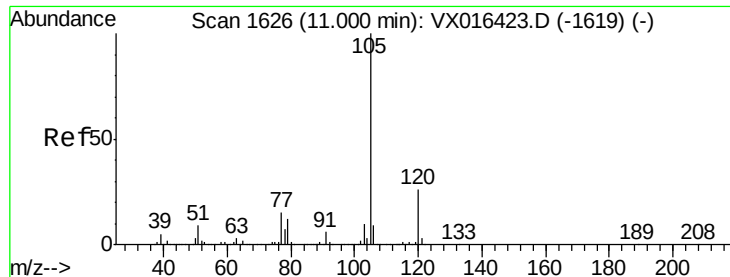
Acq: 26 May 2020 13:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.2	40.4	121.2
150	170.7	0.0	345.8



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





#73

Isopropylbenzene

Concen: 16.731 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016422.D

Acq: 26 May 2020 13:17

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 146325

Ion Ratio Lower Upper

105 100

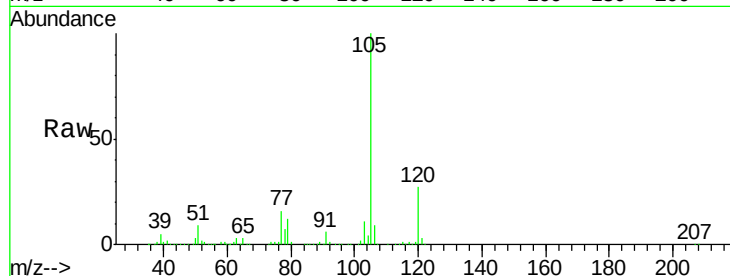
120 26.9 13.7 41.0

Manual Integrations

APPROVED

MMDadoda

5/27/2020 12:27:15 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.00

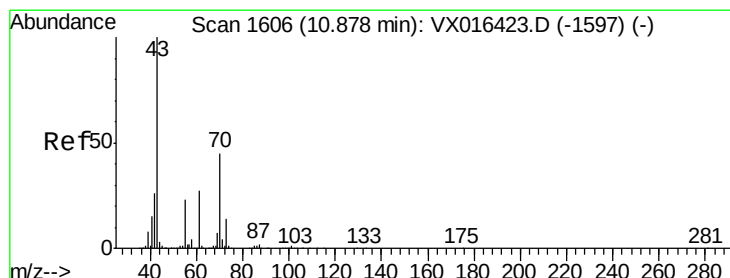
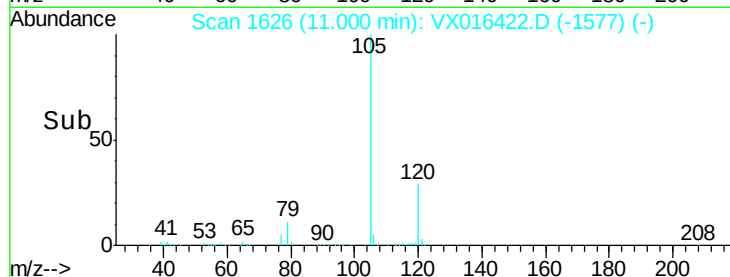
100000

50000

0

Time-->

10.95 11.00 11.05



#74

N-ethyl acetate

Concen: 15.492 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX016422.D

Acq: 26 May 2020 13:17

Tgt Ion: 43 Resp: 62073

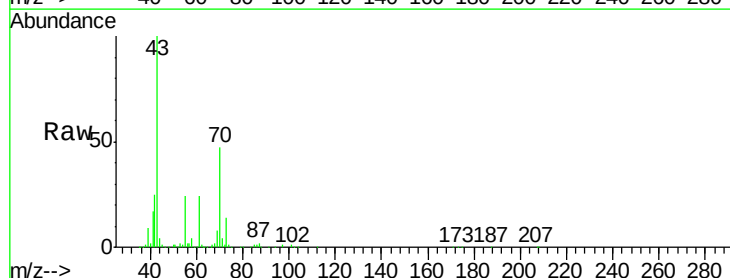
Ion Ratio Lower Upper

43 100

70 47.0 38.0 57.0

55 25.5 20.0 30.0

61 25.7 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

80000

60000

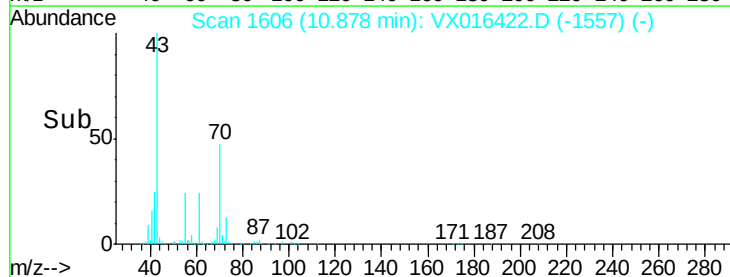
40000

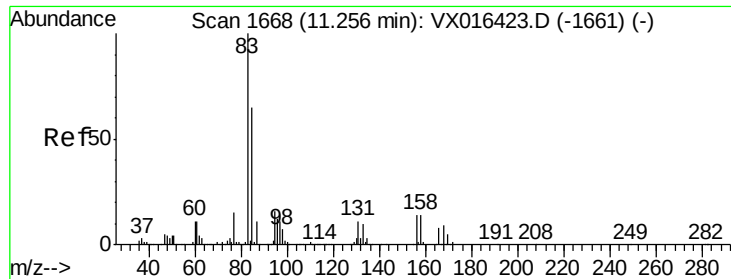
20000

0

Time-->

10.80 10.90





#75

1,1,2,2-Tetrachloroethane

Concen: 20.874 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VX016422.D

Acq: 26 May 2020 13:17

Instrument :

MSVOA_X

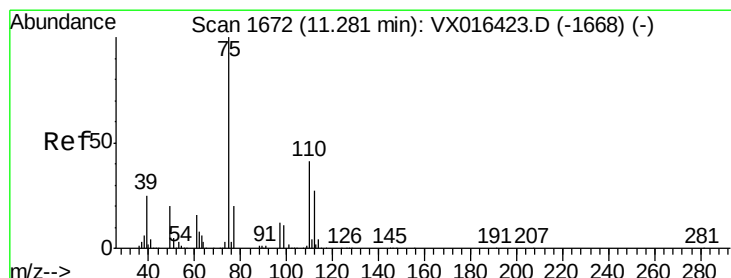
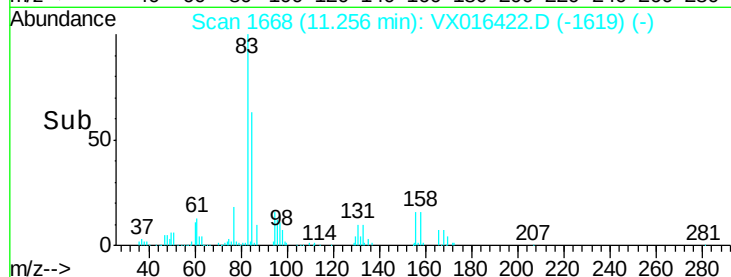
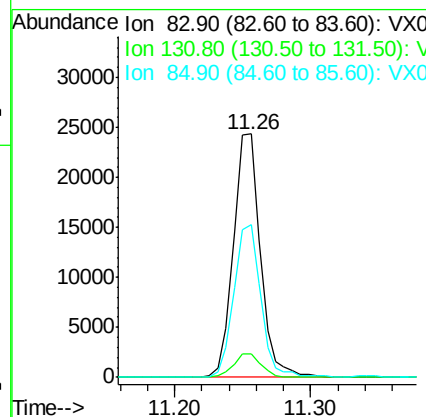
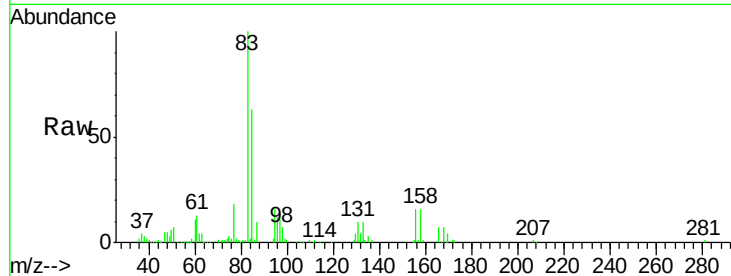
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	33526
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.4	16.2
85	63.0	32.6	97.7

Manual Integrations
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5/27/2020 12:27:15 PM



#76

1,2,3-Trichloropropane

Concen: 17.112 ug/l m

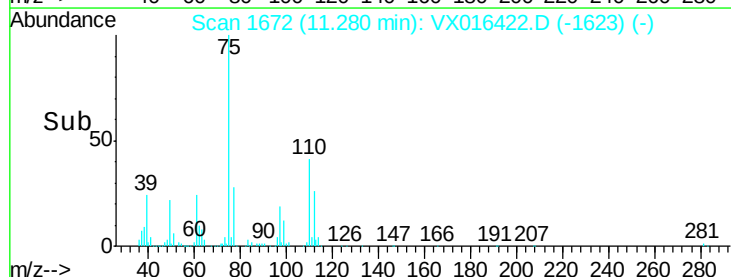
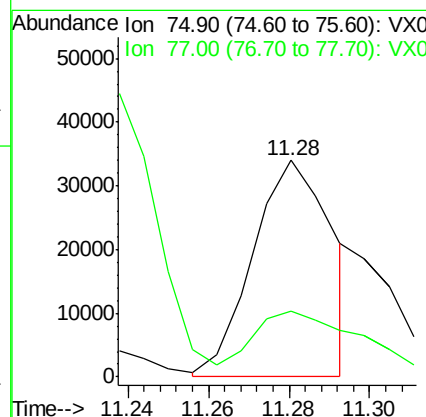
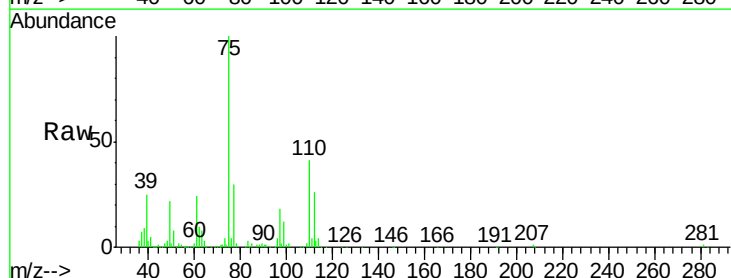
RT: 11.28 min Scan# 1672

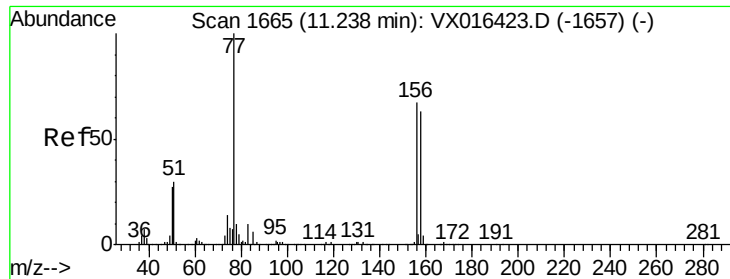
Delta R.T. -0.00 min

Lab File: VX016422.D

Acq: 26 May 2020 13:17

Tgt Ion:	75	Resp:	46419
Ion Ratio	Lower	Upper	
75	100		
77	41.9	21.4	64.3





#77

Bromobenzene

Concen: 16.343 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016422.D

Acq: 26 May 2020 13:17

Instrument :

MSVOA_X

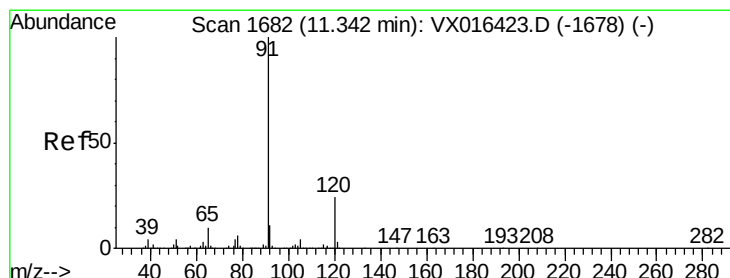
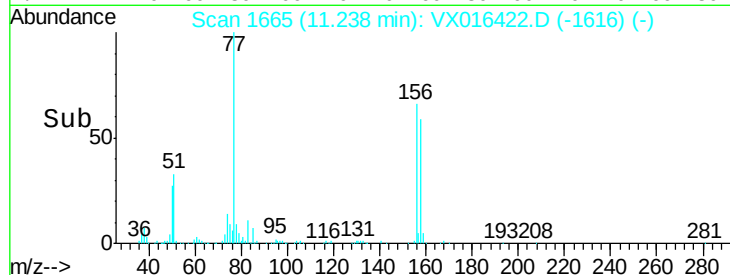
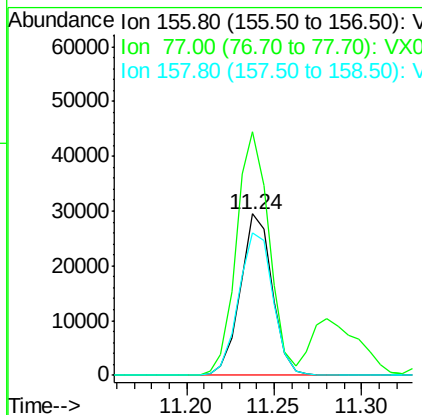
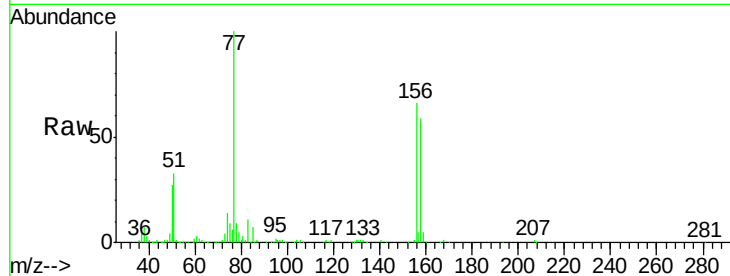
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	37140
Ion	Ratio	Lower	Upper
156	100		
77	156.1	74.6	223.8
158	95.0	48.7	146.1

Manual Integrations
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#78

n-propylbenzene

Concen: 15.967 ug/l

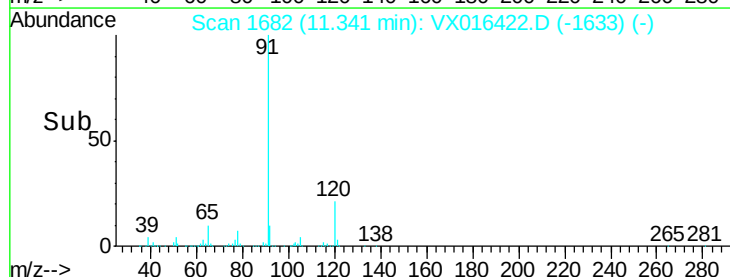
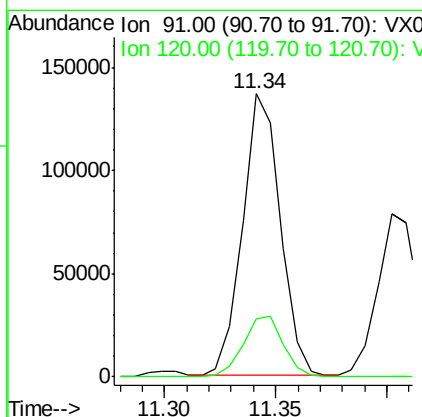
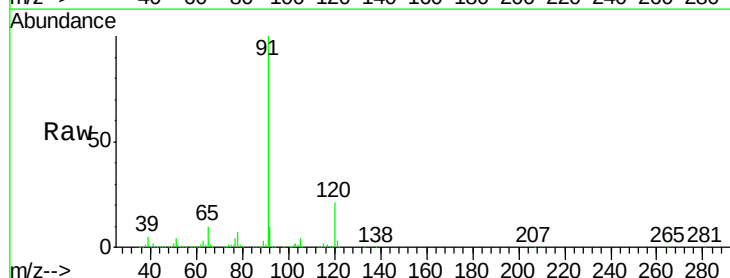
RT: 11.34 min Scan# 1682

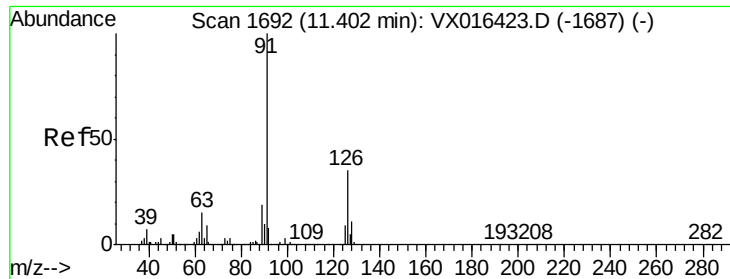
Delta R.T. -0.00 min

Lab File: VX016422.D

Acq: 26 May 2020 13:17

Tgt Ion:	91	Resp:	162071
Ion	Ratio	Lower	Upper
91	100		
120	22.8	12.1	36.3





#79

2-Chlorotoluene

Concen: 16.563 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX016422.D

Acq: 26 May 2020 13:17

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 99418

Ion Ratio Lower Upper

91 100

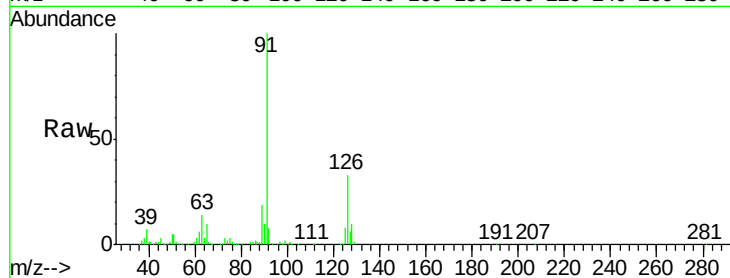
126 34.0 17.7 53.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX016423.D (-1687) (-)

Ion 125.90 (125.60 to 126.60): VX016423.D (-1687) (-)

150000

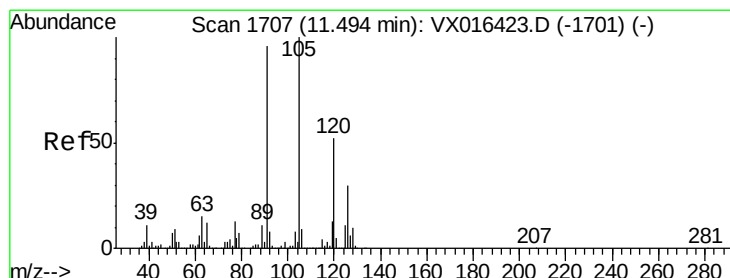
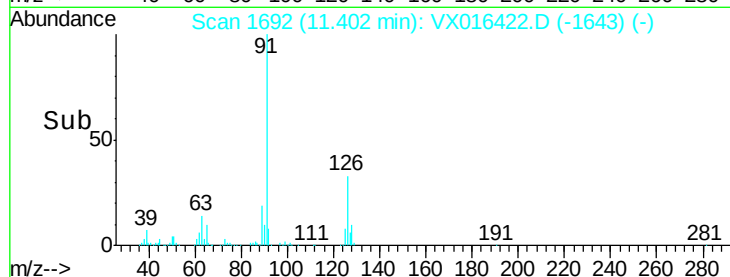
100000

50000

0

11.35 11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 16.557 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016422.D

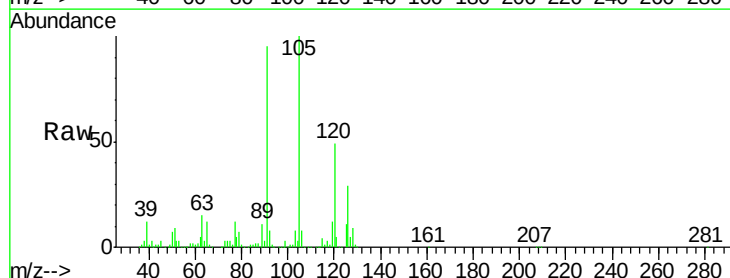
Acq: 26 May 2020 13:17

Tgt Ion: 105 Resp: 122196

Ion Ratio Lower Upper

105 100

120 49.6 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VX016423.D (-1701) (-)

Ion 120.00 (119.70 to 120.70): VX016423.D (-1701) (-)

100000

80000

60000

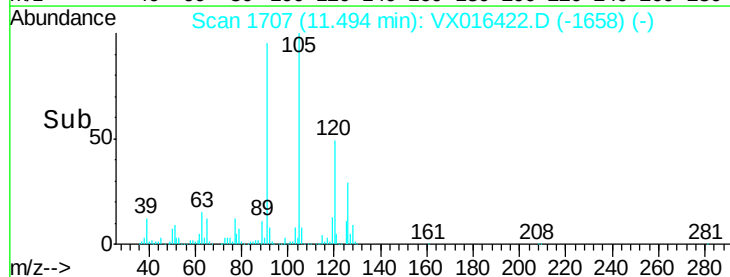
40000

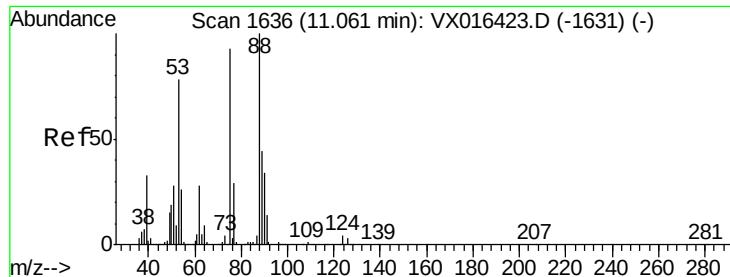
20000

0

11.40 11.45 11.50 11.55

Time-->





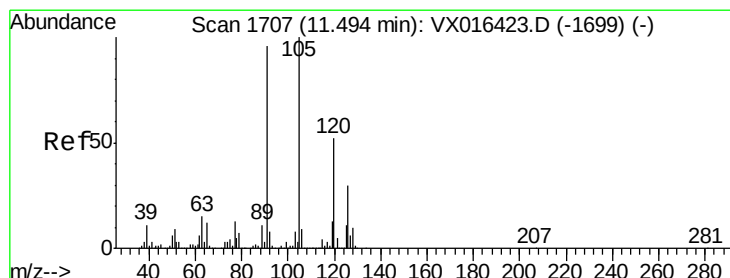
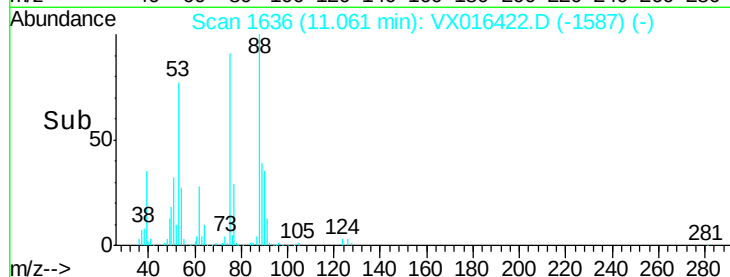
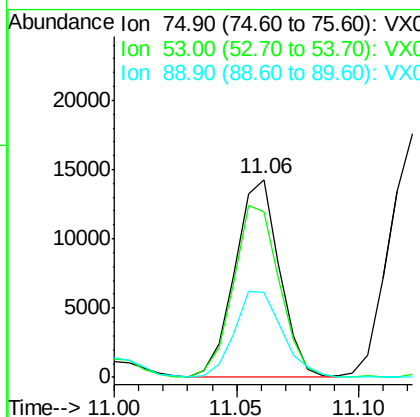
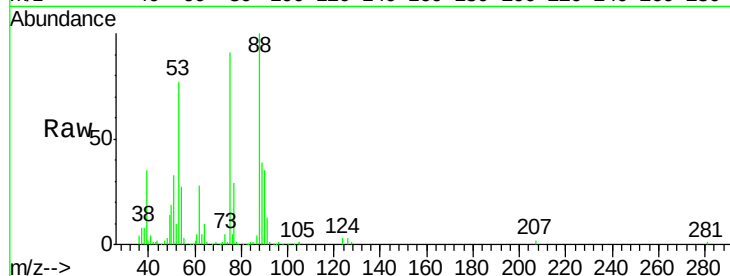
#81
trans-1,4-Dichloro-2-butene
Concen: 16.052 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.9	69.4	104.2
89	46.3	37.0	55.6

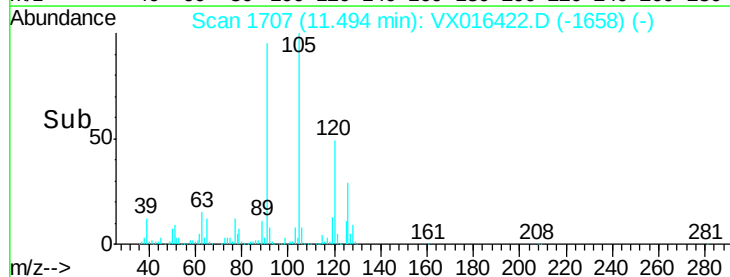
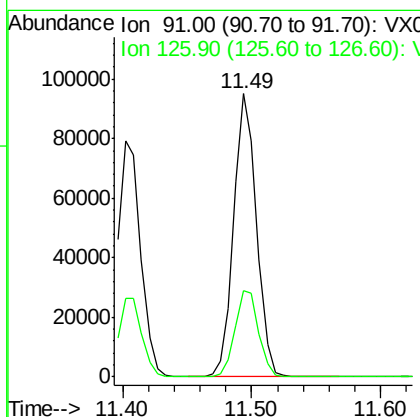
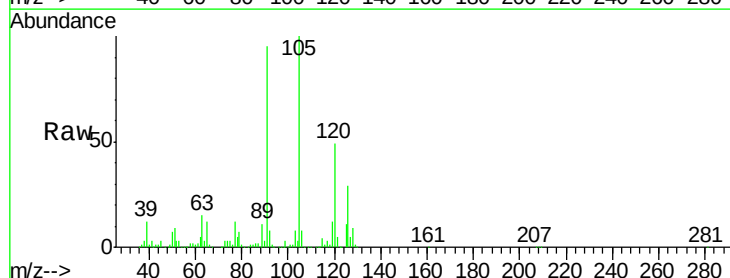
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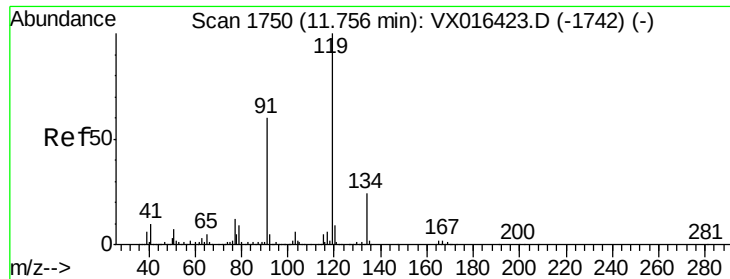
MMDadoda
5/27/2020 12:27:15 PM



#82
4-Chlorotoluene
Concen: 16.564 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.7	47.0





#83

tert-Butylbenzene

Concen: 15.959 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX016422.D

Acq: 26 May 2020 13:17

Instrument :

MSVOA_X

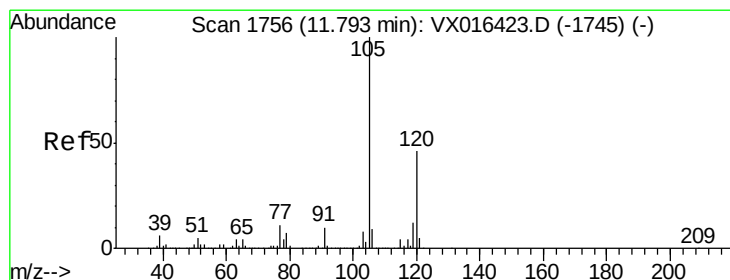
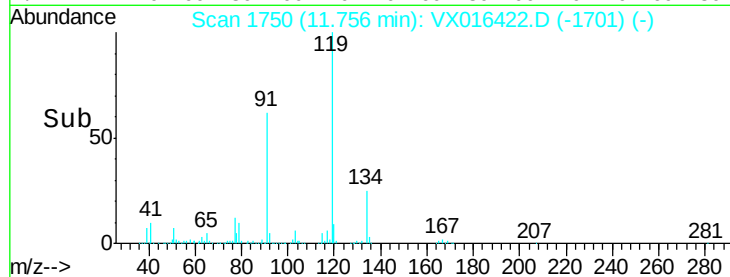
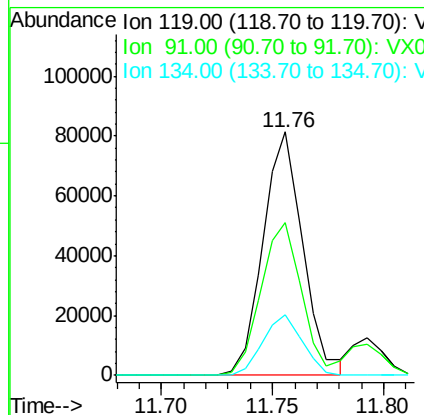
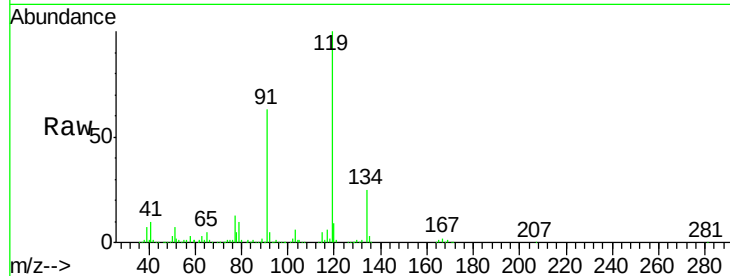
ClientSampled :

VSTDIC020

Tot Ion:	119	Resp:	101449
Ion Ratio	Lower	Upper	
119	100		
91	63.8	30.8	92.3
134	24.6	12.3	36.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 16.646 ug/l

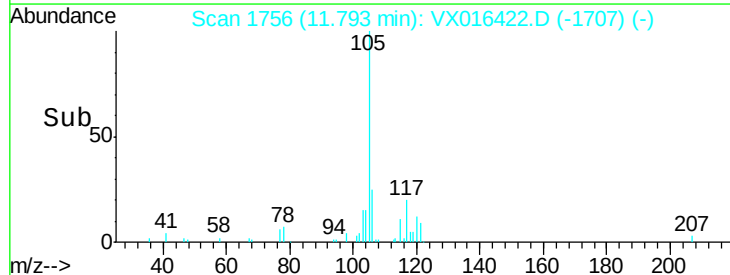
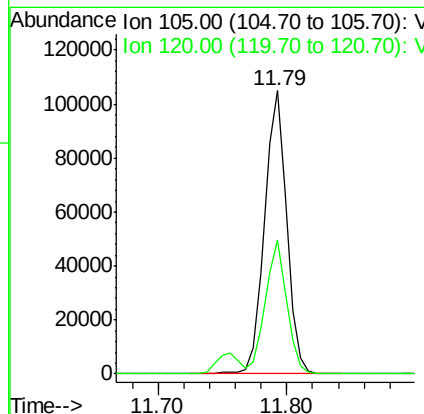
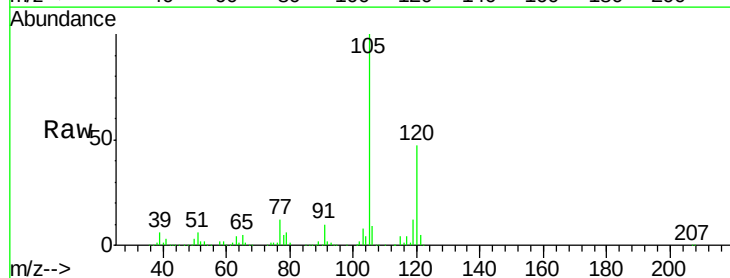
RT: 11.79 min Scan# 1756

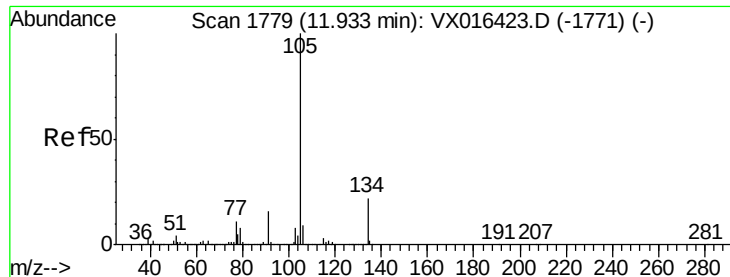
Delta R.T. -0.00 min

Lab File: VX016422.D

Acq: 26 May 2020 13:17

Tgt Ion:	105	Resp:	123939
Ion Ratio	Lower	Upper	
105	100		
120	45.7	23.2	69.6





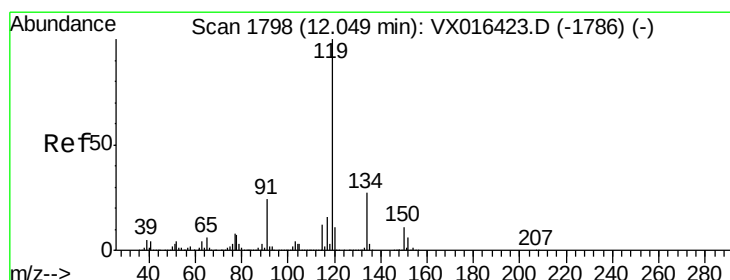
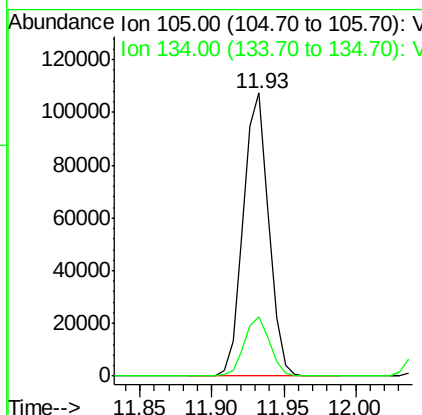
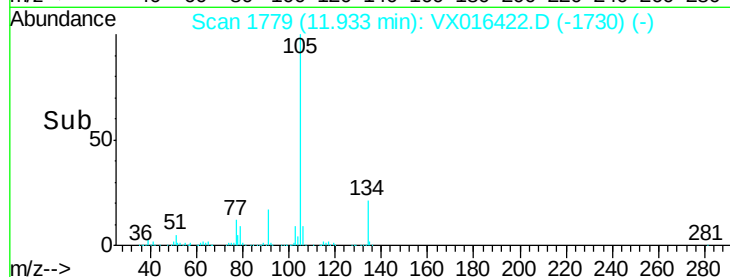
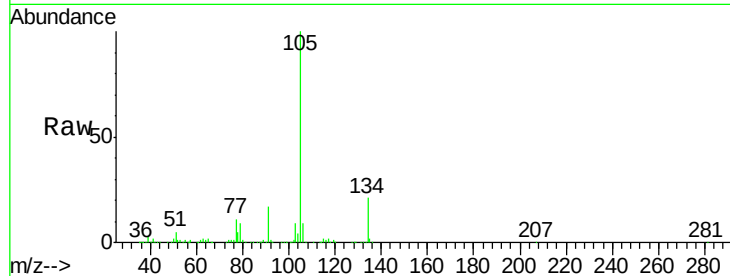
#85
 sec-Butylbenzene
 Concen: 15.379 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX016422.D
 Acq: 26 May 2020 13:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.5	31.6

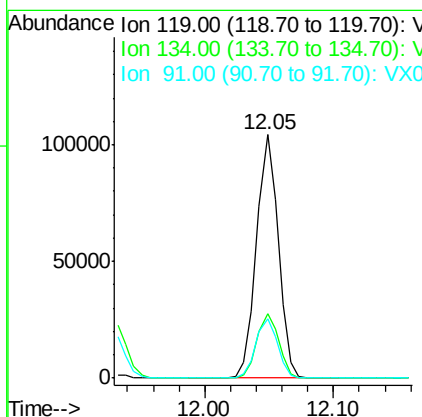
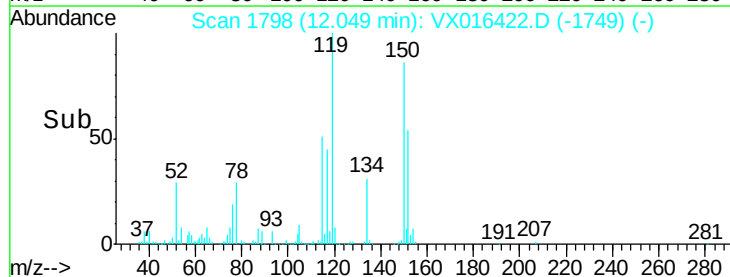
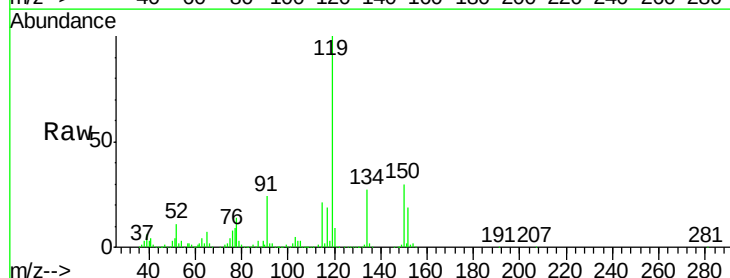
Manual Integrations
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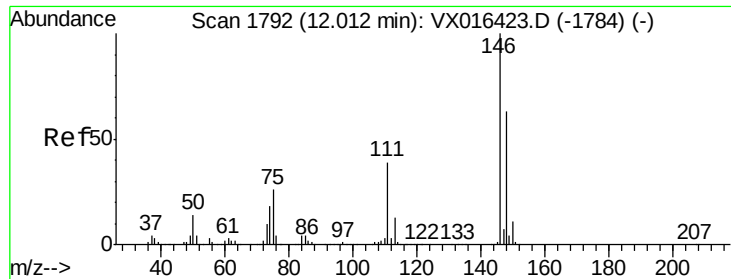
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 15.383 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX016422.D
 Acq: 26 May 2020 13:17

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.8	41.3
91	24.3	11.9	35.5





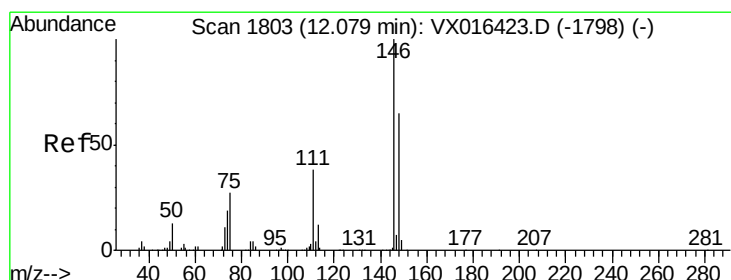
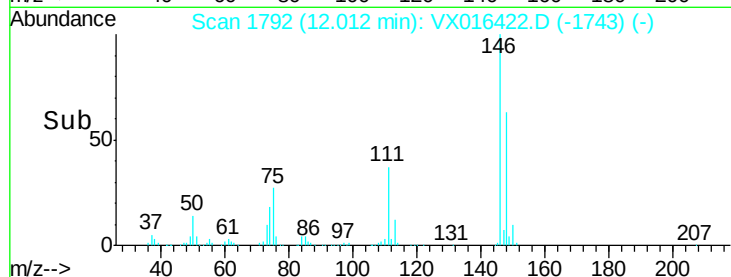
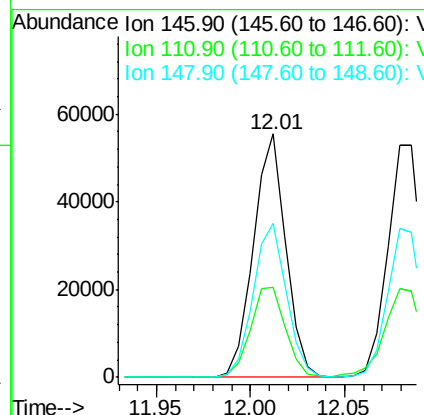
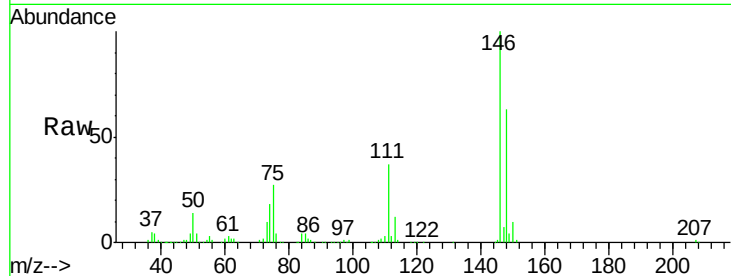
#87
 1,3-Dichlorobenzene
 Concen: 16.255 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016422.D
 Acq: 26 May 2020 13:17

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.1	60.2
148	65.1	31.4	94.2

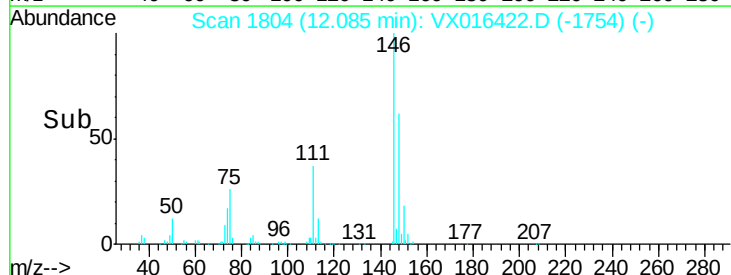
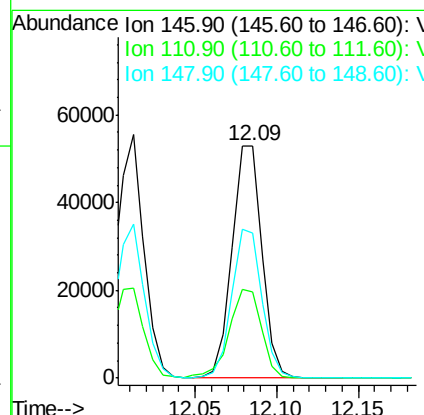
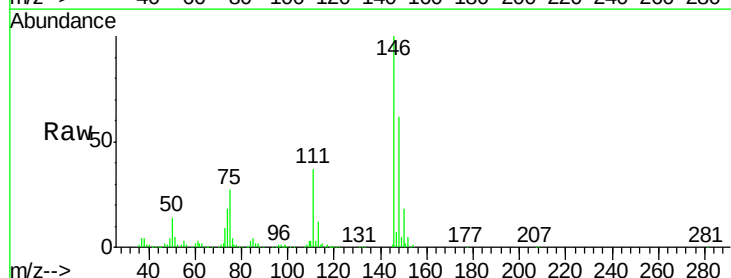
Manual Integrations
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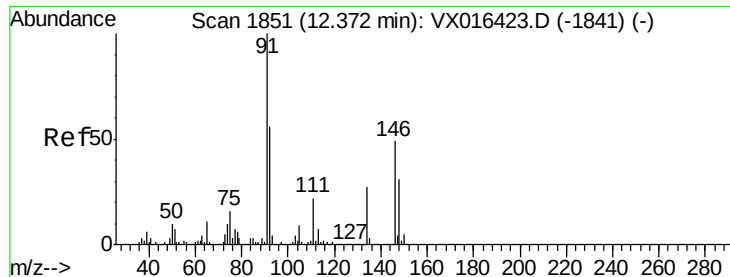
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#88
 1,4-Dichlorobenzene
 Concen: 16.391 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: VX016422.D
 Acq: 26 May 2020 13:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	19.2	57.6
148	64.5	33.1	99.2





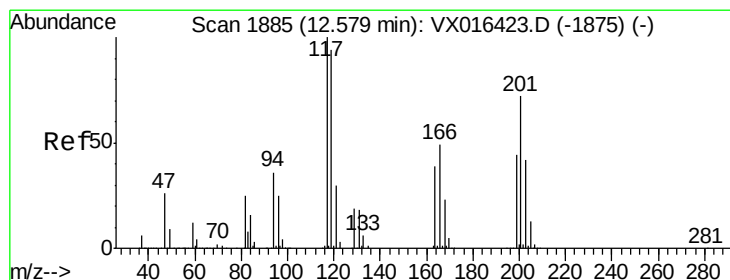
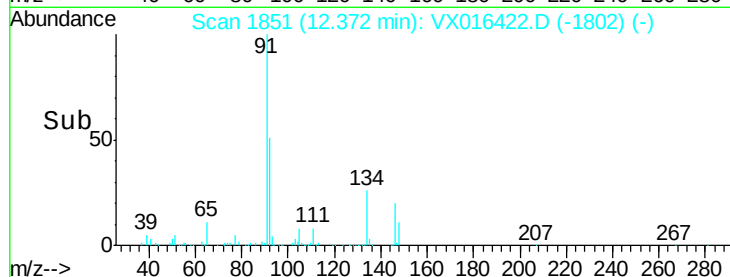
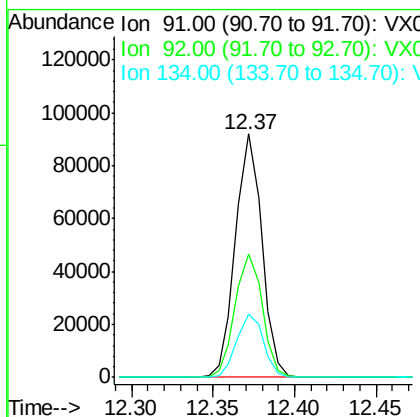
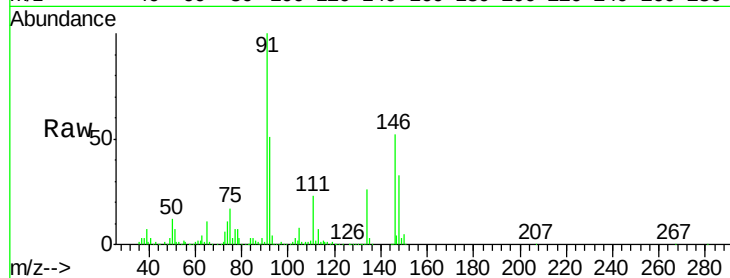
#89
n-Butylbenzene
Concen: 14.574 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	27.6	82.8
134	26.5	13.7	41.1

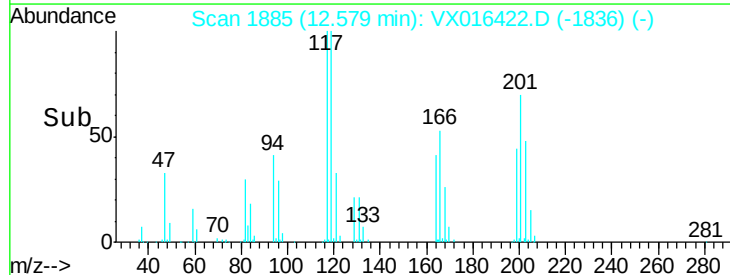
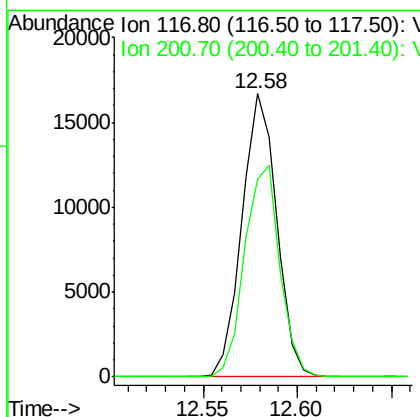
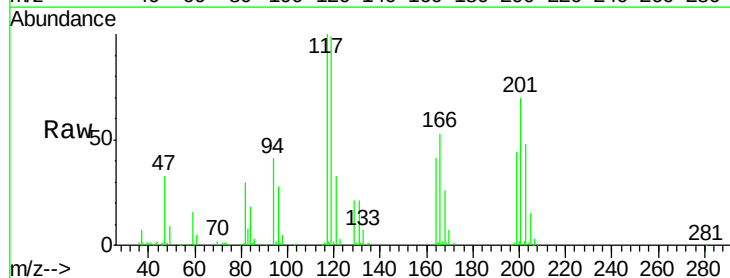
Manual Integrations
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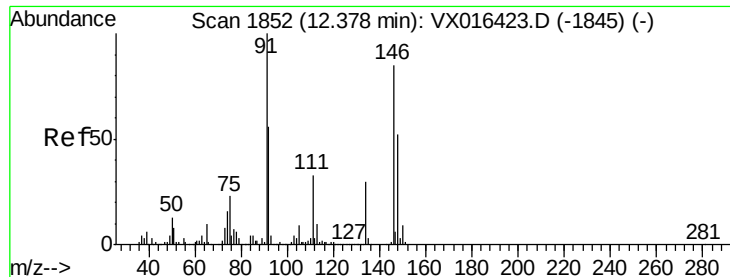
MMDadoda
5/27/2020 12:27:15 PM



#90
Hexachloroethane
Concen: 15.727 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.4	37.6	112.9





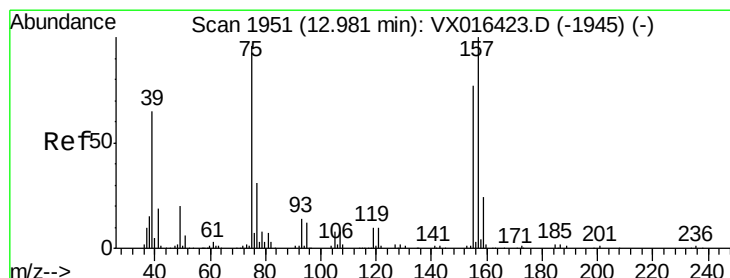
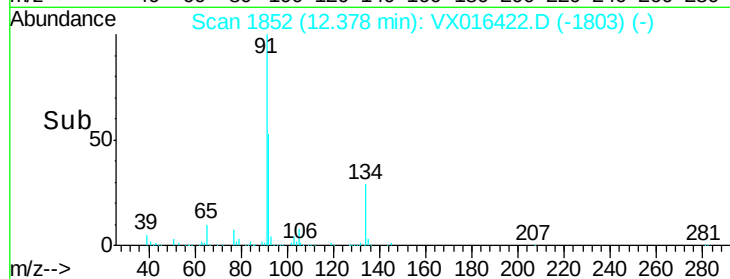
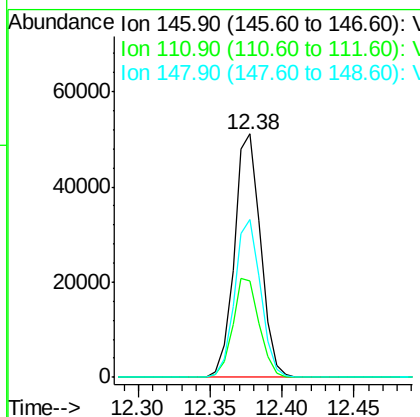
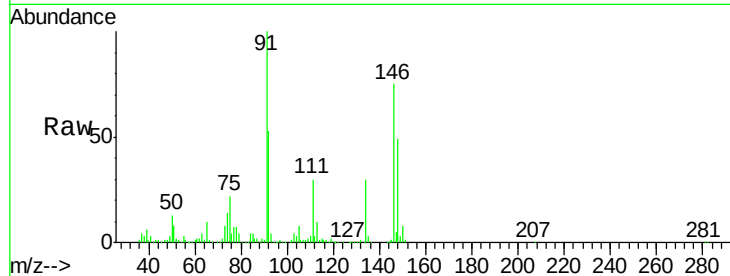
#91
 1,2-Dichlorobenzene
 Concen: 16.545 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX016422.D
 Acq: 26 May 2020 13:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.4	61.3
148	64.1	31.6	94.8

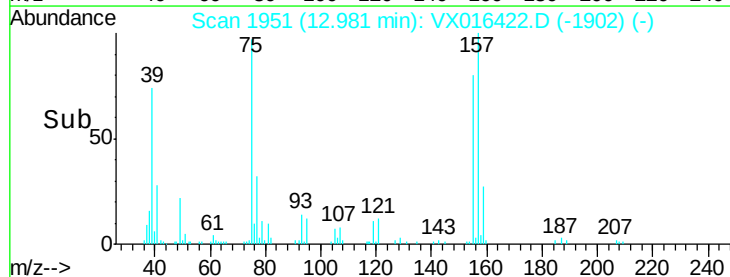
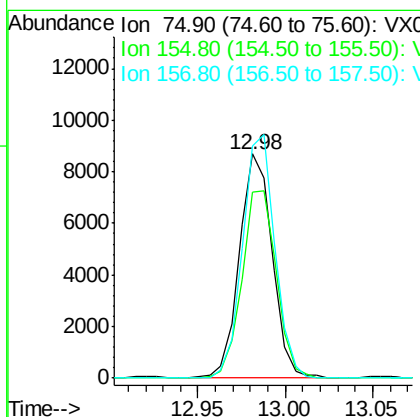
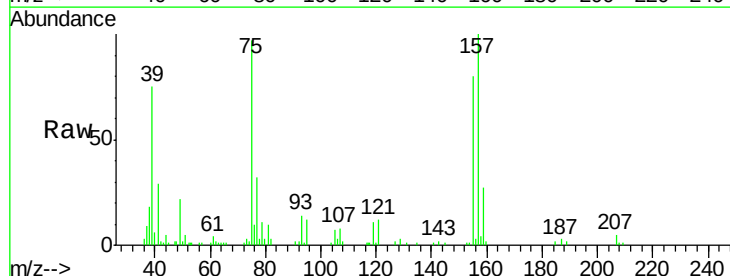
Manual Integrations
 APPROVED

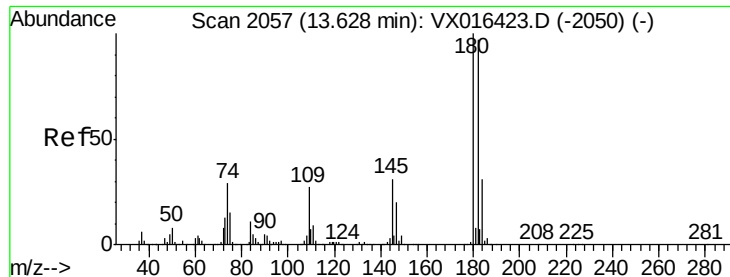
MMDadoda
 5/27/2020 12:27:15 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.876 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX016422.D
 Acq: 26 May 2020 13:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.0	44.8	134.4
157	106.3	57.8	173.4





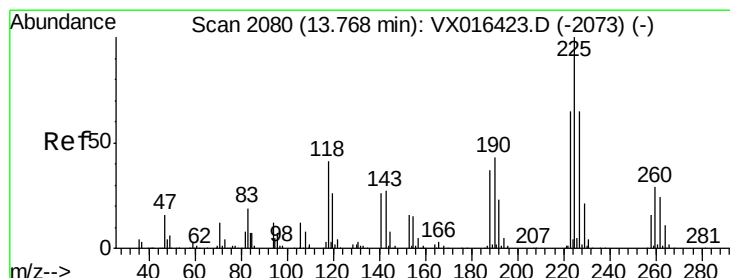
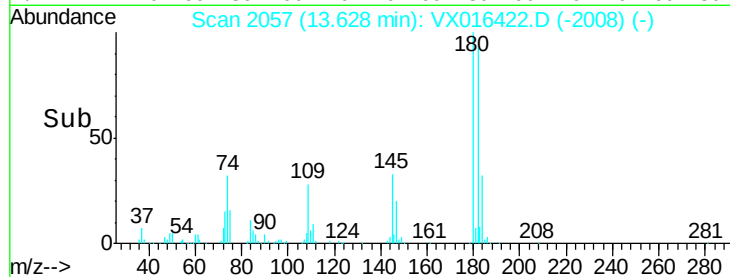
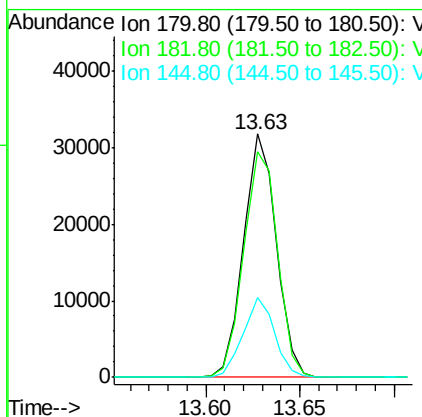
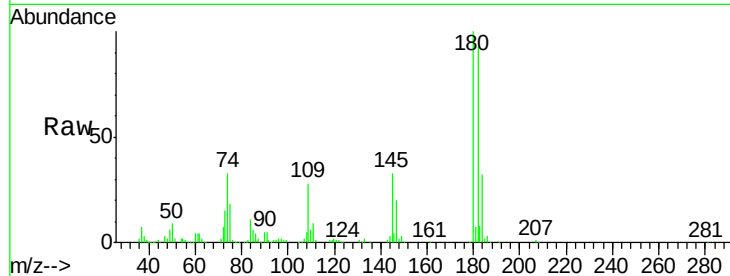
#93
 1,2,4-Trichlorobenzene
 Concen: 13.475 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016422.D
 Acq: 26 May 2020 13:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	38383		
182	96.0	48.6	145.8	
145	31.8	15.5	46.5	

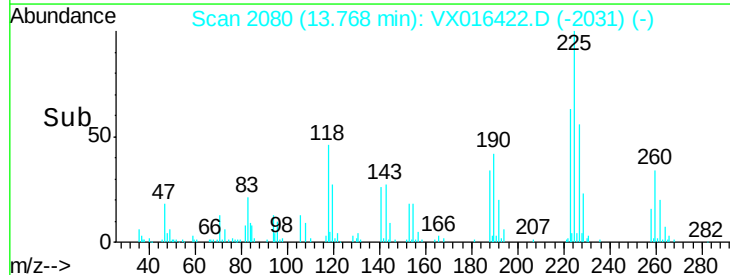
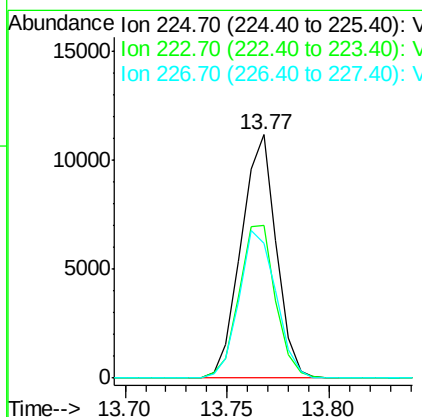
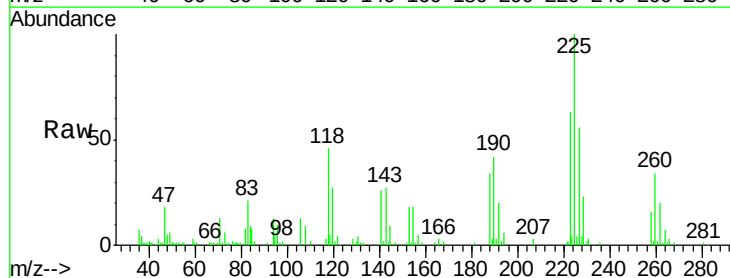
Manual Integrations
 APPROVED

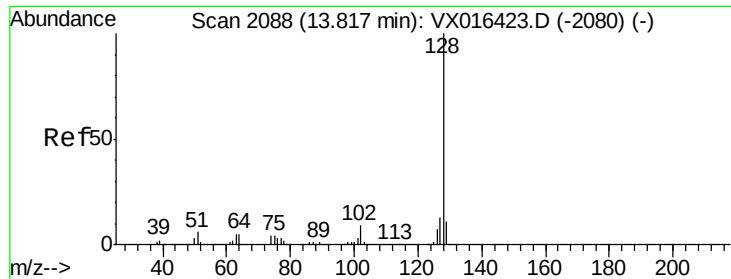
MMDadoda
 5/27/2020 12:27:15 PM



#94
 Hexachlorobutadiene
 Concen: 10.491 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX016422.D
 Acq: 26 May 2020 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	13362		
223	65.3	32.6	98.0	
227	63.6	32.5	97.4	





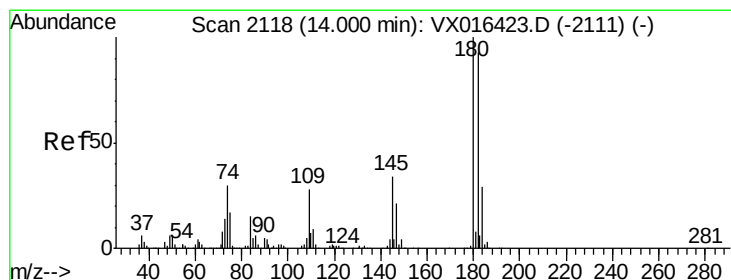
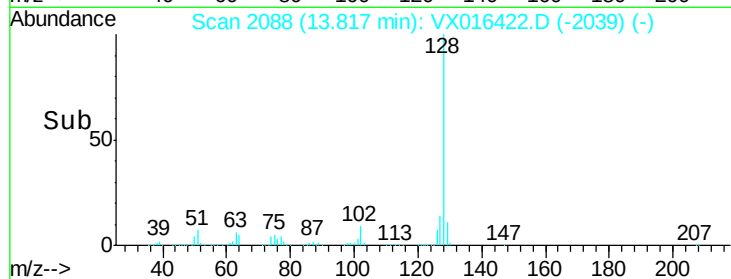
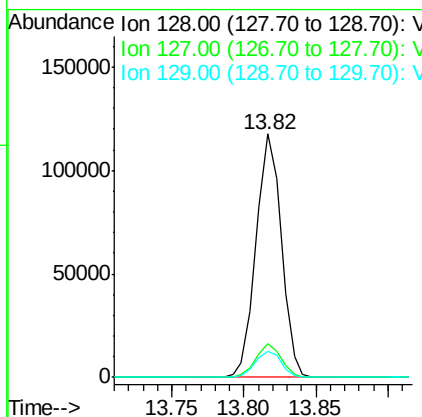
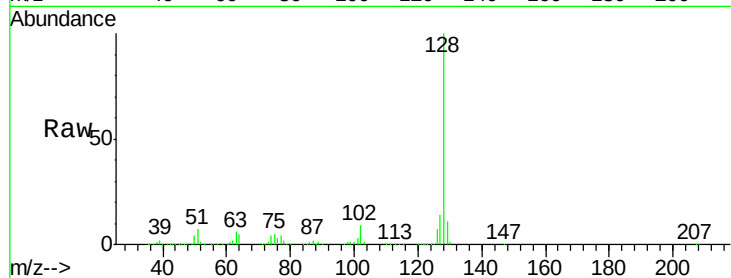
#95
Naphthalene
Concen: 15.316 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.5	15.7
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/27/2020 12:27:15 PM



#96
1,2,3-Trichlorobenzene
Concen: 13.498 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.01 min
Lab File: VX016422.D
Acq: 26 May 2020 13:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.7	48.2	144.6
145	33.8	16.3	48.9

