

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052720\
 Data File : VX016447.D
 Acq On : 27 May 2020 14:42
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/28/2020 2:10:20 PM

Quant Time: May 27 16:06:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 15:52:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	302926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	475983	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	436212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	211444	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	19597	4.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.82%	
35) Dibromofluoromethane	5.46	113	15211	5.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.04%	
50) Toluene-d8	8.70	98	55460	4.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.48%	
62) 4-Bromofluorobenzene	11.12	95	22043	4.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.92%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.18	85	14703	4.606	ug/l	97
3) Chloromethane	1.31	50	18858	5.082	ug/l	98
4) Vinyl Chloride	1.39	62	19492	4.913	ug/l	96
5) Bromomethane	1.62	94	9461	4.792	ug/l	96
6) Chloroethane	1.70	64	11645	4.872	ug/l	95
7) Trichlorofluoromethane	1.91	101	26400	5.071	ug/l	100
8) Diethyl Ether	2.17	74	11007	5.039	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	14382	4.825	ug/l	97
10) Methyl Iodide	2.49	142	10878	2.828	ug/l	100
11) Tert butyl alcohol	3.02	59	24592	24.469	ug/l	100
12) 1,1-Dichloroethene	2.36	96	15163	4.858	ug/l	95
13) Acrolein	2.27	56	11279	19.236	ug/l	94
14) Allyl chloride	2.71	41	27166	4.731	ug/l	99
15) Acrylonitrile	3.12	53	50888	24.326	ug/l	98
16) Acetone	2.42	43	43325	24.449	ug/l	98
17) Carbon Disulfide	2.55	76	43907	4.135	ug/l	99
18) Methyl Acetate	2.75	43	22053	5.021	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	52143	4.802	ug/l	100
20) Methylene Chloride	2.83	84	18295	5.003	ug/l	97
21) trans-1,2-Dichloroethene	3.14	96	16510	4.715	ug/l	95
22) Diisopropyl ether	3.82	45	53156	4.875	ug/l	93
23) Vinyl Acetate	3.79	43	225098	23.493	ug/l	99
24) 1,1-Dichloroethane	3.67	63	29775	4.884	ug/l	100
25) 2-Butanone	4.64	43	70309	24.444	ug/l	97
26) 2,2-Dichloropropane	4.55	77	25072	4.599	ug/l	100
27) cis-1,2-Dichloroethene	4.57	96	19576	5.101	ug/l	96
28) Bromochloromethane	4.98	49	13528	4.887	ug/l	99
29) Tetrahydrofuran	5.09	42	45409	23.857	ug/l	99
30) Chloroform	5.18	83	30108	4.962	ug/l	99
31) Cyclohexane	5.55	56	26358	4.808	ug/l	96
32) 1,1,1-Trichloroethane	5.46	97	27994	5.070	ug/l	98
36) 1,1-Dichloropropene	5.77	75	22457	4.783	ug/l	97
37) Ethyl Acetate	4.80	43	26613	4.883	ug/l	98
38) Carbon Tetrachloride	5.76	117	23729	4.957	ug/l	95

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 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

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 5/28/2020 2:10:20 PM

Quant Time: May 27 16:06:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 15:52:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	23525	4.239	ug/l	96
40) Benzene	6.11	78	68902	5.005	ug/l	98
41) Methacrylonitrile	5.00	41	15313	5.213	ug/l	95
42) 1,2-Dichloroethane	6.17	62	24805	5.009	ug/l	99
43) Isopropyl Acetate	6.42	43	42825	4.937	ug/l	99
44) Trichloroethene	7.19	130	23113	4.812	ug/l	91
45) 1,2-Dichloropropane	7.49	63	17227	4.953	ug/l	100
46) Dibromomethane	7.63	93	12016	5.084	ug/l	98
47) Bromodichloromethane	7.87	83	24076	5.000	ug/l	91
48) Methyl methacrylate	7.75	41	19511	4.732	ug/l	99
49) 1,4-Dioxane	7.71	88	9667	98.046	ug/l	97
51) 4-Methyl-2-Pentanone	8.62	43	131243	24.647	ug/l	100
52) Toluene	8.77	92	42773	4.985	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	26736	4.673	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	28641	4.790	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	17190	5.097	ug/l	96
56) Ethyl methacrylate	9.16	69	25833	4.680	ug/l	99
57) 1,3-Dichloropropane	9.35	76	29527	5.013	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	67032	22.948	ug/l	99
59) 2-Hexanone	9.48	43	101263	24.179	ug/l	100
60) Dibromochloromethane	9.57	129	18998	5.094	ug/l	99
61) 1,2-Dibromoethane	9.65	107	18492	5.077	ug/l	96
64) Tetrachloroethene	9.32	164	27132	5.118	ug/l	98
65) Chlorobenzene	10.12	112	45861	5.010	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	17343	5.117	ug/l	97
67) Ethyl Benzene	10.24	91	79923	4.896	ug/l	99
68) m/p-Xylenes	10.34	106	59830	9.804	ug/l	99
69) o-Xylene	10.68	106	28986	4.945	ug/l	96
70) Styrene	10.70	104	47710	4.775	ug/l	98
71) Bromoform	10.84	173	13969	5.019	ug/l #	98
73) Isopropylbenzene	11.00	105	75529	4.926	ug/l	98
74) N-amyl acetate	10.88	43	32418	4.533	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	16870	5.901	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	25218m	5.263	ug/l	
77) Bromobenzene	11.24	156	19816	4.988	ug/l	99
78) n-propylbenzene	11.34	91	82055	4.612	ug/l	99
79) 2-Chlorotoluene	11.40	91	51188	4.849	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	61914	4.776	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.06	75	9212	4.638	ug/l	98
82) 4-Chlorotoluene	11.49	91	59681	4.791	ug/l	99
83) tert-Butylbenzene	11.76	119	52688	4.713	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	61096	4.662	ug/l	99
85) sec-Butylbenzene	11.93	105	66154	4.446	ug/l	98
86) p-Isopropyltoluene	12.05	119	61149	4.419	ug/l	97
87) 1,3-Dichlorobenzene	12.01	146	34244	4.814	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	34407	4.766	ug/l	91
89) n-Butylbenzene	12.37	91	49282	3.933	ug/l	100
90) Hexachloroethane	12.58	117	10499	4.432	ug/l	94
91) 1,2-Dichlorobenzene	12.38	146	33739	4.929	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	5918	4.688	ug/l	97

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

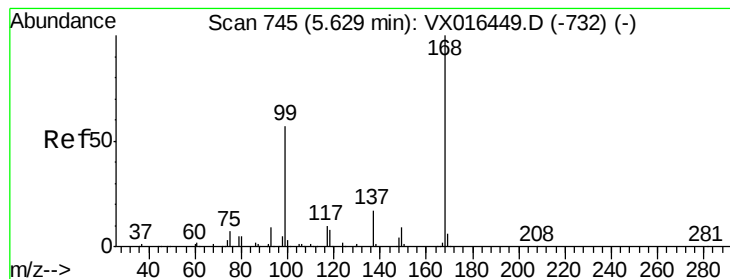
Manual Integrations
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5/28/2020 2:10:20 PM

Quant Time: May 27 16:06:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 15:52:24 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	20894	4.161	ug/l	99
94) Hexachlorobutadiene	13.77	225	8536	3.776	ug/l	98
95) Naphthalene	13.82	128	71107	4.357	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	20325	4.173	ug/l	99

(#) = 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: VX016447.D

Acq: 27 May 2020 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 302926

Ion Ratio Lower Upper

168 100

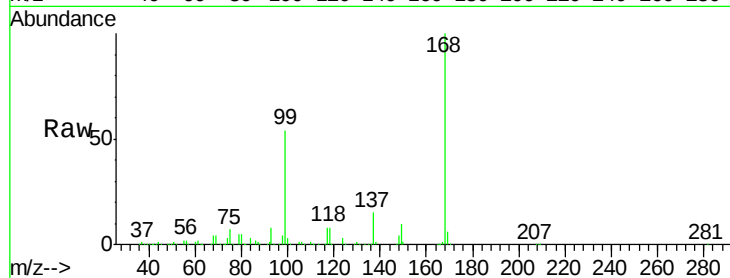
99 54.3 45.2 67.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

120000

100000

80000

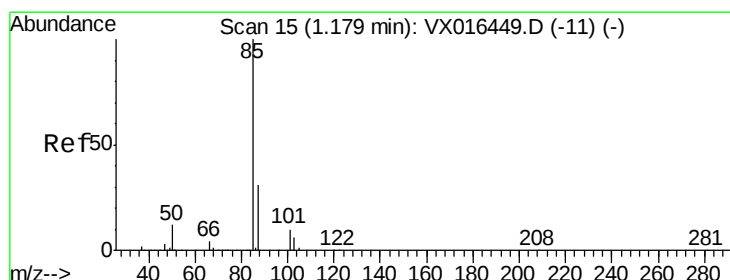
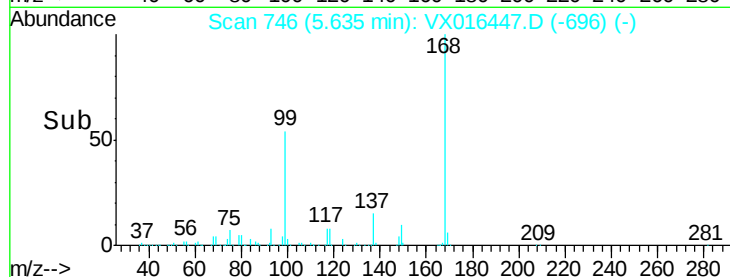
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.606 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.01 min

Lab File: VX016447.D

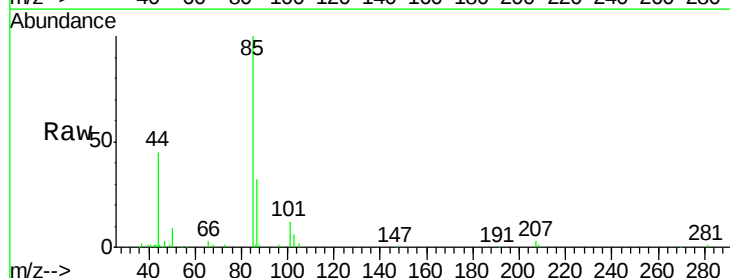
Acq: 27 May 2020 14:42

Tgt Ion: 85 Resp: 14703

Ion Ratio Lower Upper

85 100

87 32.2 15.4 46.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

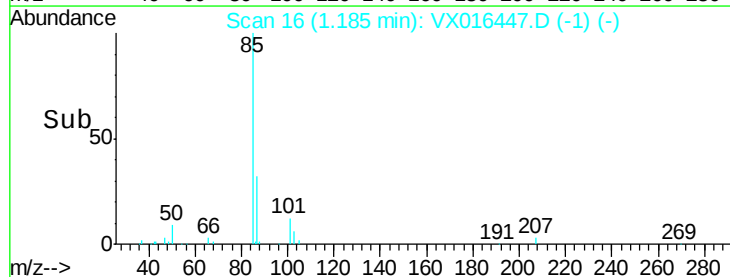
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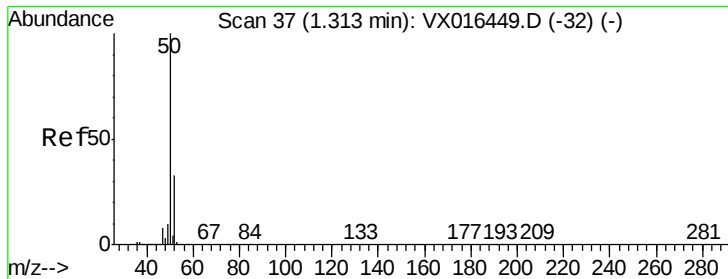
10000

5000

0

Time-->





#3

Chloromethane

Concen: 5.082 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 18858

Ion Ratio Lower Upper

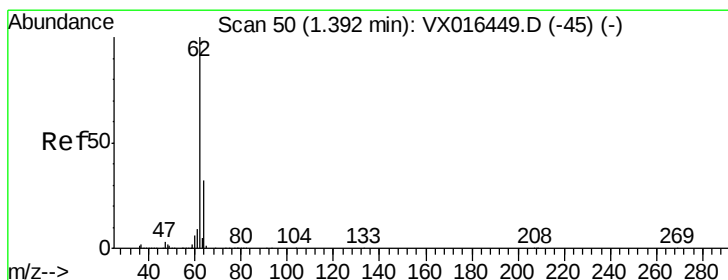
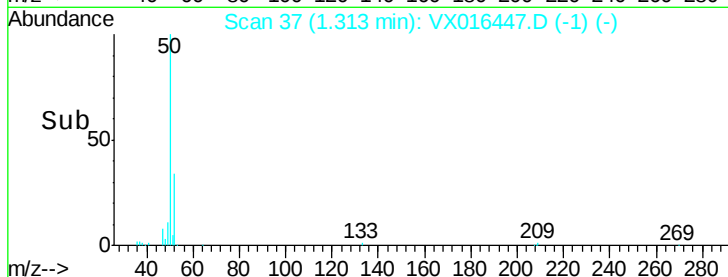
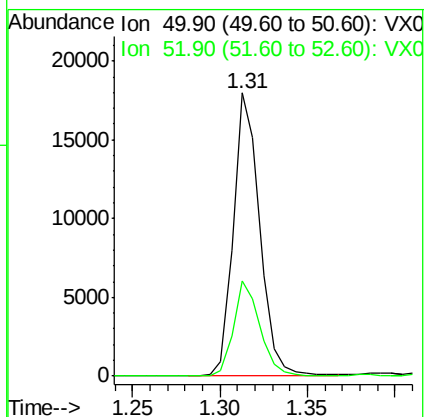
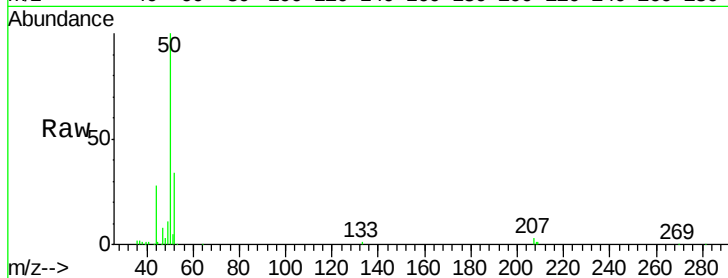
50 100

52 33.8 26.2 39.2

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#4

Vinyl Chloride

Concen: 4.913 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016447.D

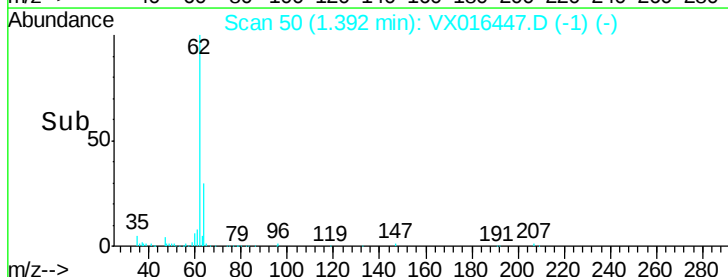
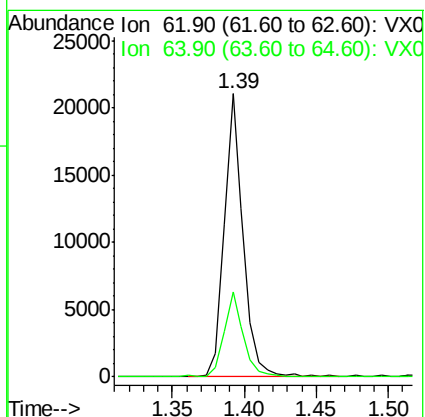
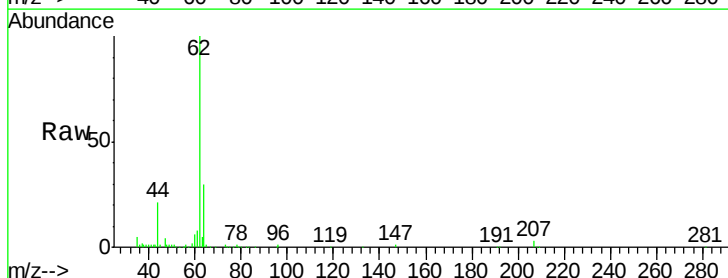
Acq: 27 May 2020 14:42

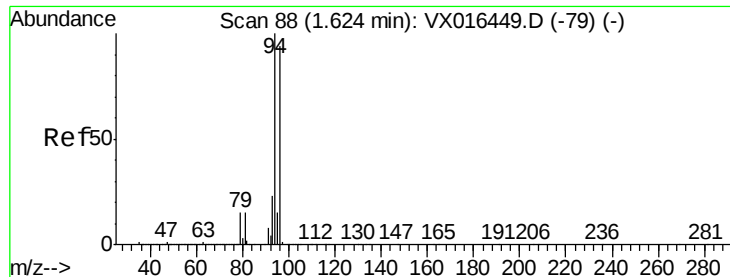
Tgt Ion: 62 Resp: 19492

Ion Ratio Lower Upper

62 100

64 30.0 25.9 38.9





#5

Bromomethane

Concen: 4.792 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 9461

Ion Ratio Lower Upper

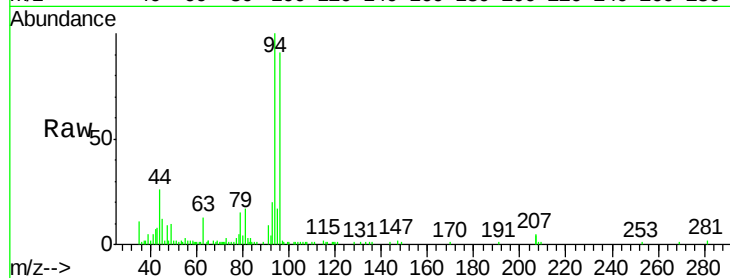
94 100

96 89.6 75.1 112.7

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

10000

8000

6000

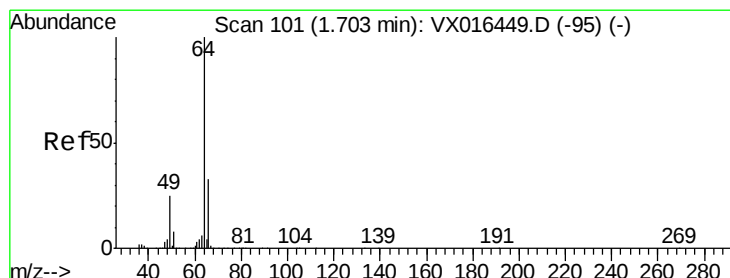
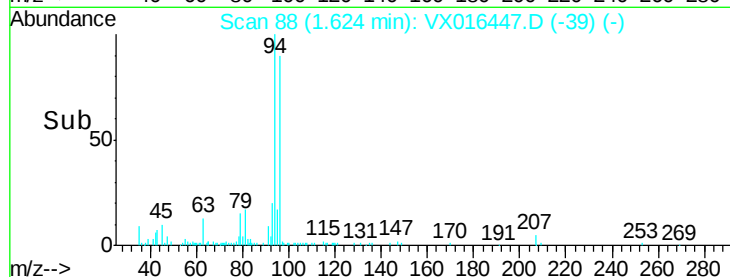
4000

2000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 4.872 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.00 min

Lab File: VX016447.D

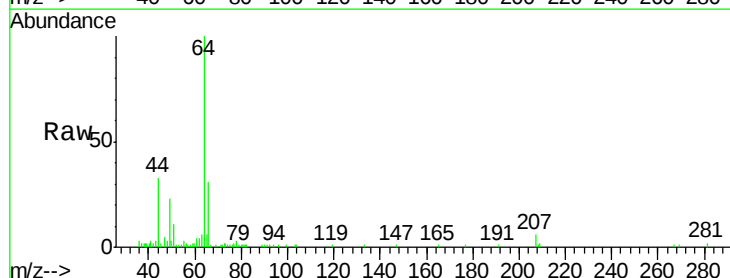
Acq: 27 May 2020 14:42

Tgt Ion: 64 Resp: 11645

Ion Ratio Lower Upper

64 100

66 30.3 26.7 40.1



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

10000

8000

6000

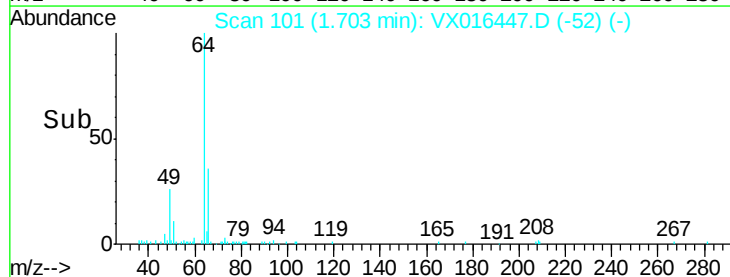
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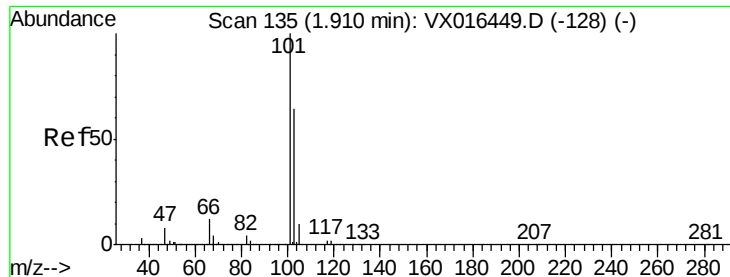
2000

0

1.65 1.70 1.75 1.80

Time-->





#7

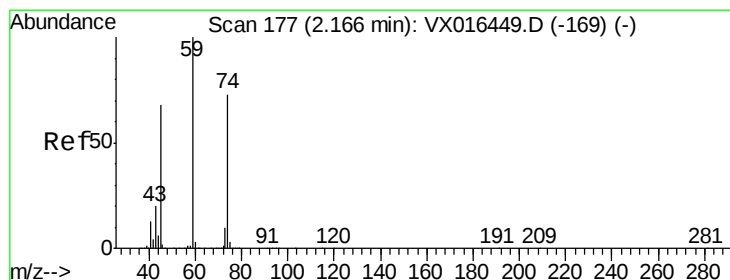
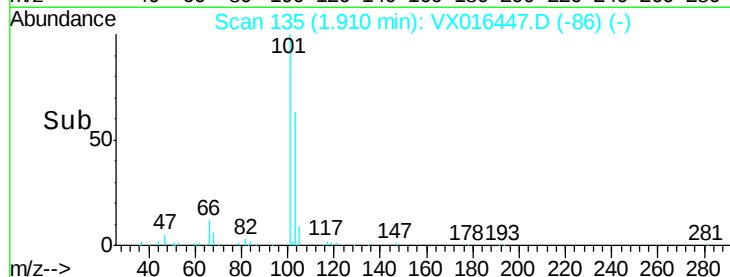
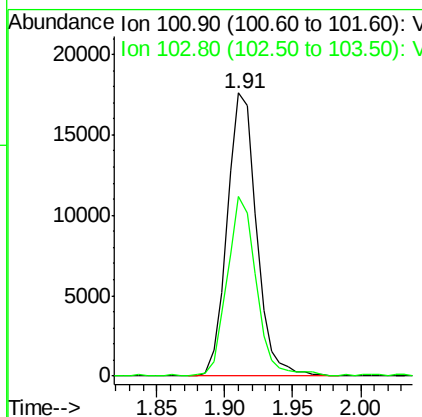
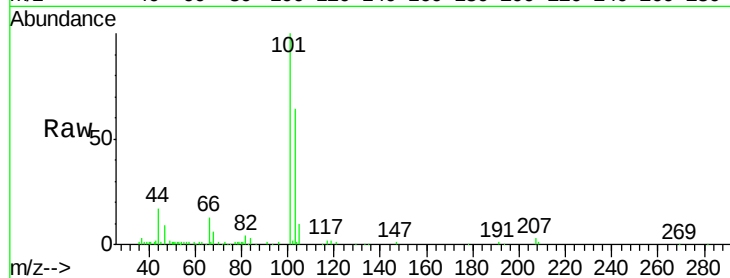
Trichlorofluoromethane
Concen: 5.071 ug/l
RT: 1.91 min Scan# 135
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	50.9	76.3

Manual Integrations
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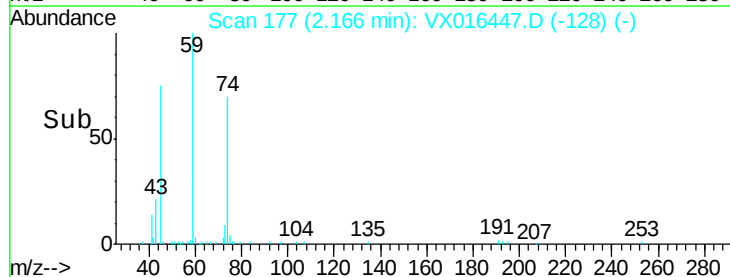
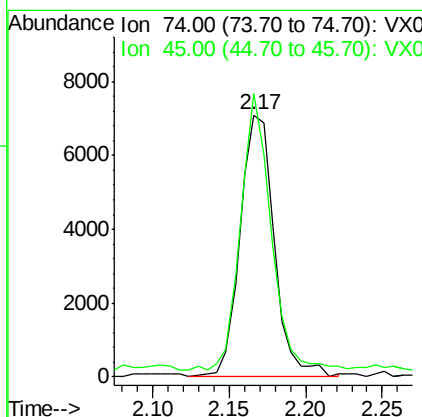
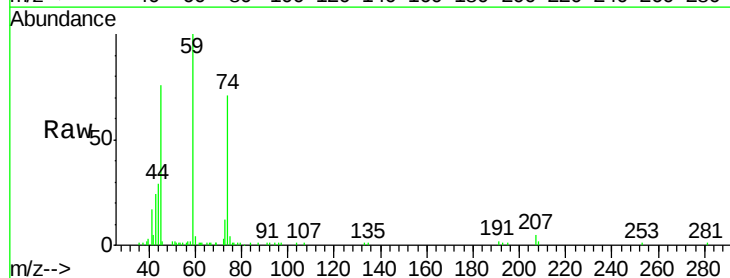
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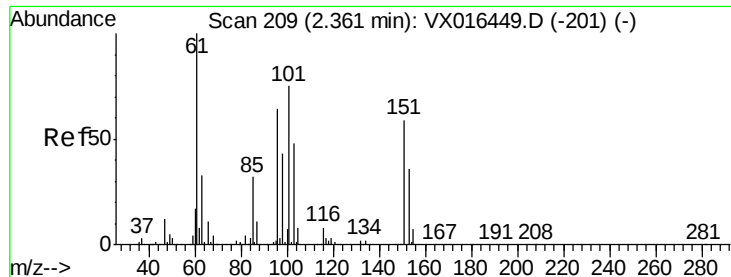


#8

Diethyl Ether
Concen: 5.039 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.7	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.825 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

Instrument :

MSVOA_X

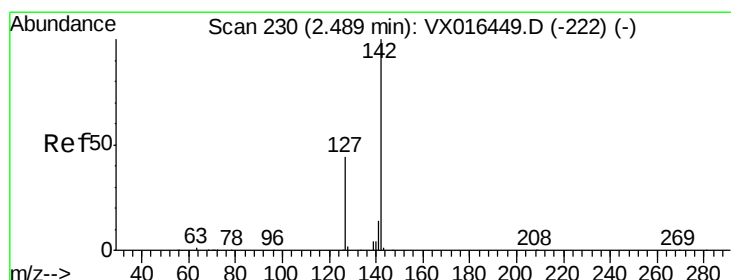
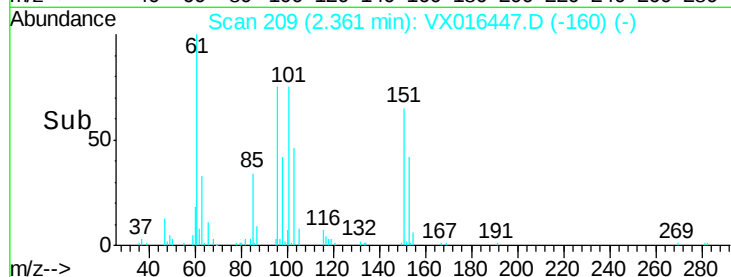
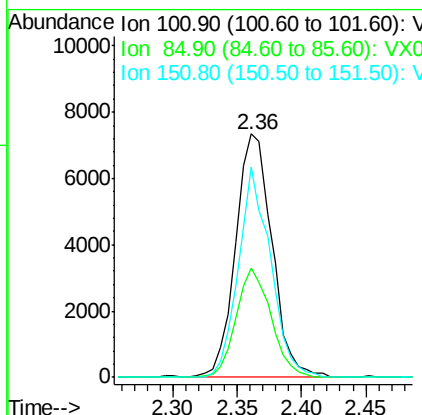
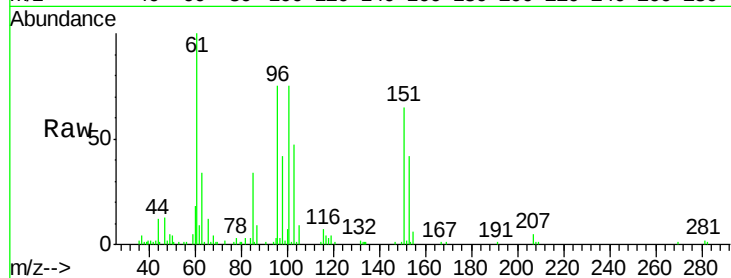
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	14382
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.4	51.6
151	76.2	63.8	95.6

Manual Integrations
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5/28/2020 2:10:20 PM



#10

Methyl Iodide

Concen: 2.828 ug/l

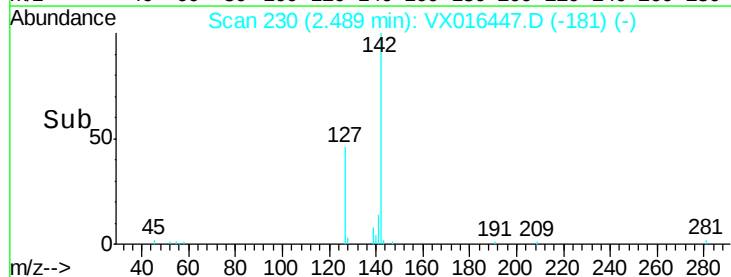
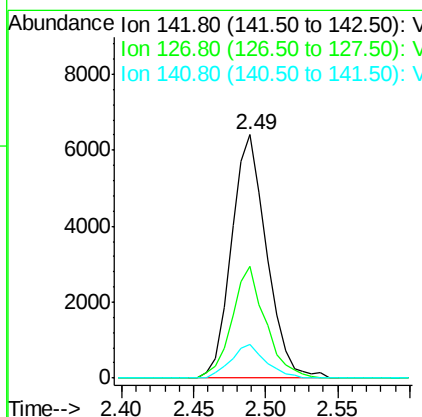
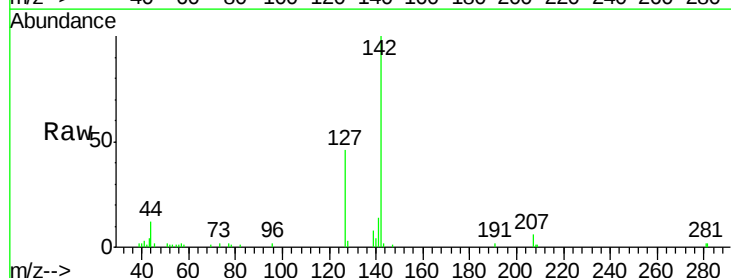
RT: 2.49 min Scan# 230

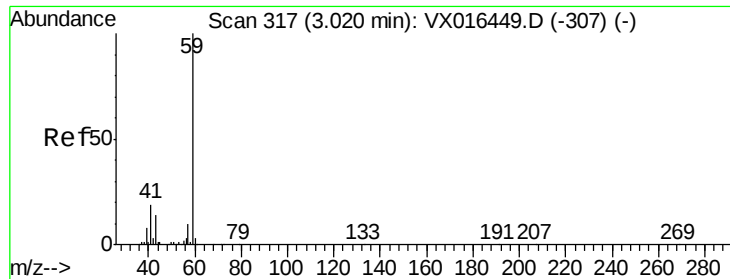
Delta R.T. -0.00 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

Tgt Ion:	142	Resp:	10878
Ion Ratio	Lower	Upper	
142	100		
127	44.0	35.3	52.9
141	13.9	11.4	17.2





#11

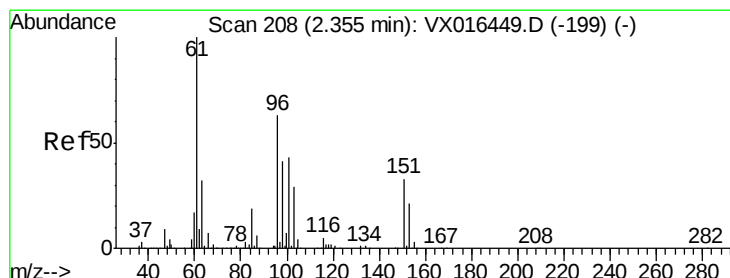
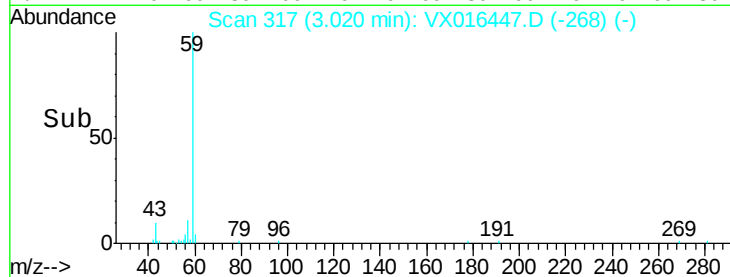
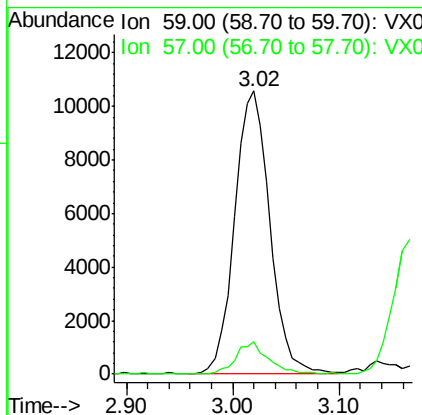
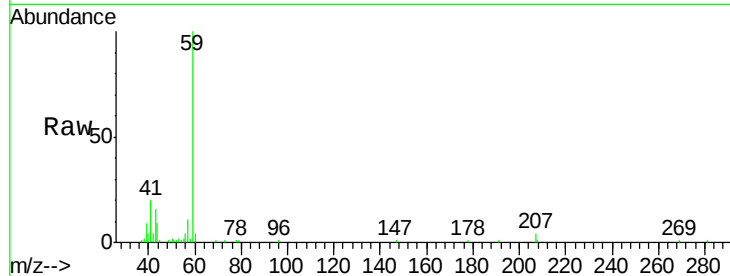
Tert butyl alcohol
Concen: 24.469 ug/l
RT: 3.02 min Scan# 317
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	59	57	Ratio	100	10.4	Resp	24592	Lower	8.2	Upper	12.4
Ion	59	57	Ratio	100	10.4	Resp	24592	Lower	8.2	Upper	12.4

Manual Integrations
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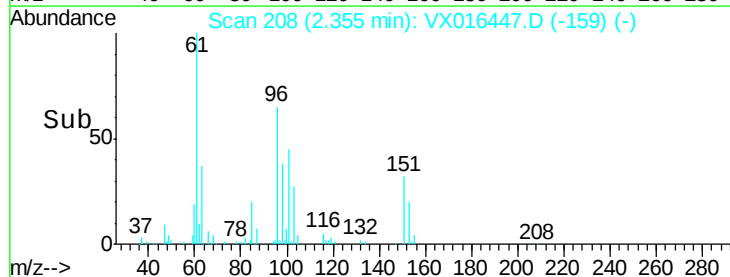
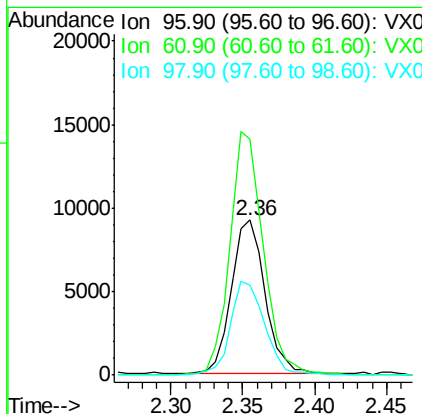
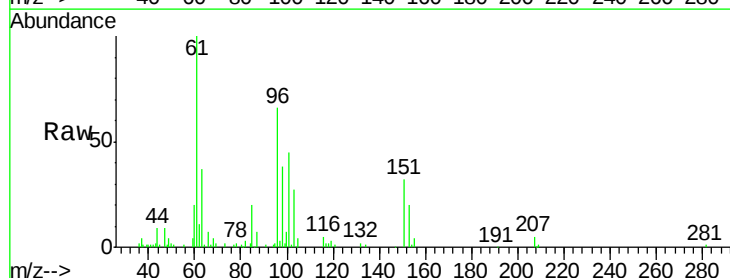
MMDadoda
5/28/2020 2:10:20 PM

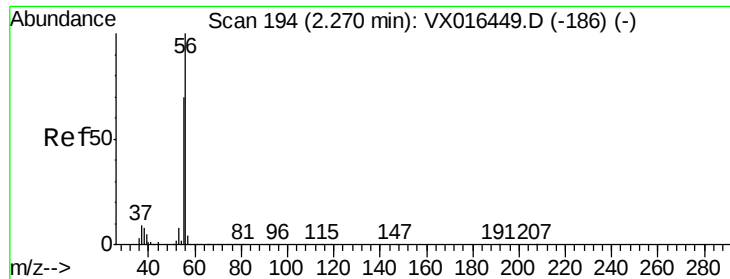


#12

1,1-Dichloroethene
Concen: 4.858 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Tgt Ion	96	61	98	Ratio	100	152.2	58.7	Resp	15163	Lower	126.6	Upper	189.8	76.9
Ion	96	61	98	Ratio	100	152.2	58.7	Resp	15163	Lower	126.6	Upper	189.8	76.9





#13

Acrolein

Concen: 19.236 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 11279

Ion Ratio Lower Upper

56 100

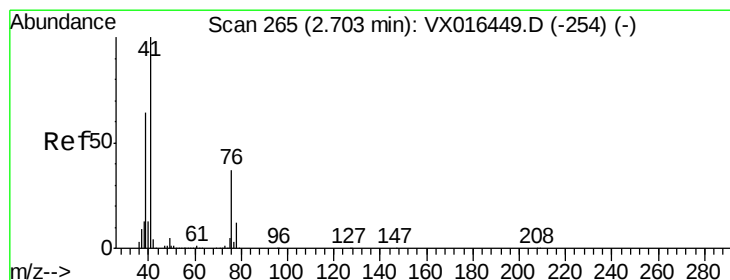
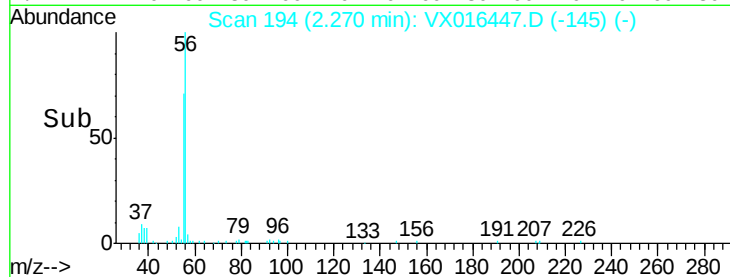
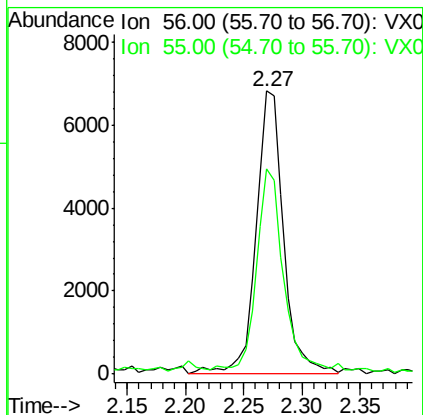
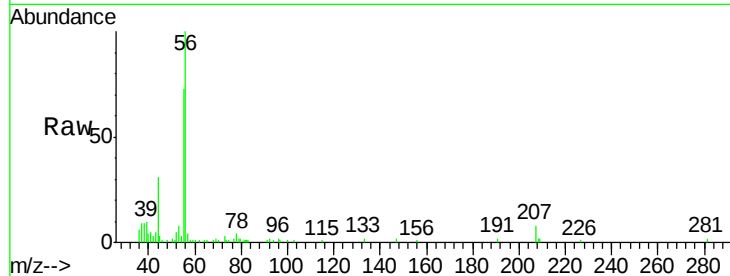
55 67.7 58.3 87.5

Manual Integrations

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#14

Allyl chloride

Concen: 4.731 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

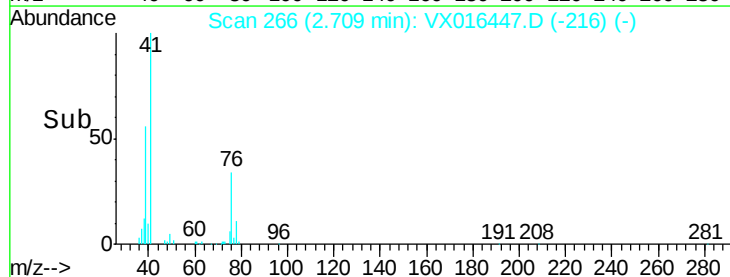
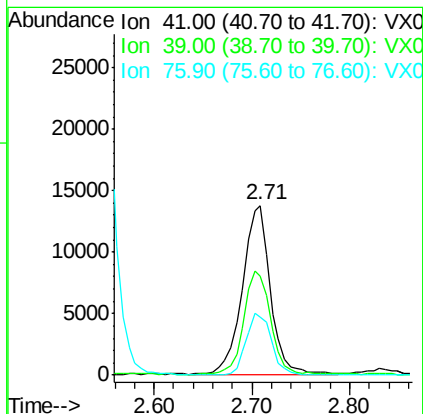
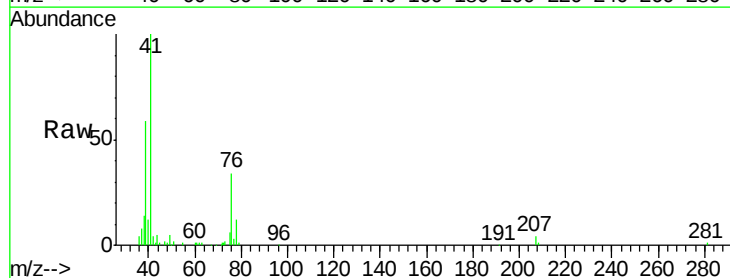
Tgt Ion: 41 Resp: 27166

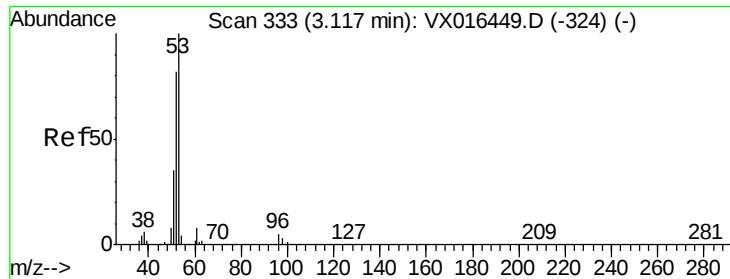
Ion Ratio Lower Upper

41 100

39 58.2 47.7 71.5

76 33.2 26.6 40.0





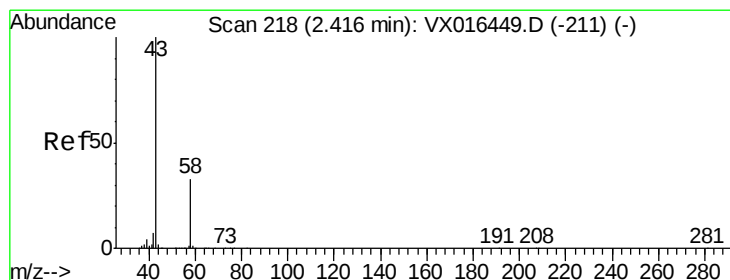
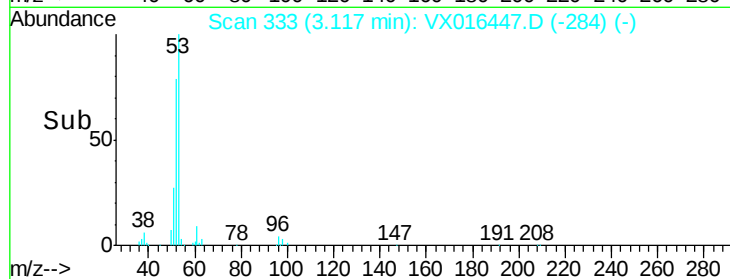
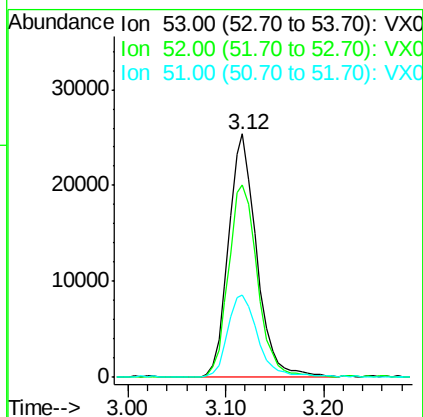
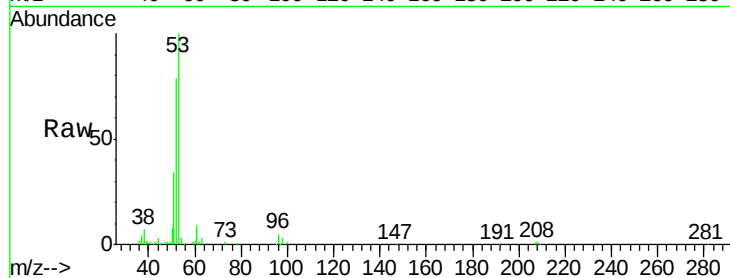
#15
 Acrylonitrile
 Concen: 24.326 ug/l
 RT: 3.12 min Scan# 333
 Delta R.T. -0.00 min
 Lab File: VX016447.D
 Acq: 27 May 2020 14:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	53	Resp:	50888
Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.7	100.1
51	37.0	28.6	43.0

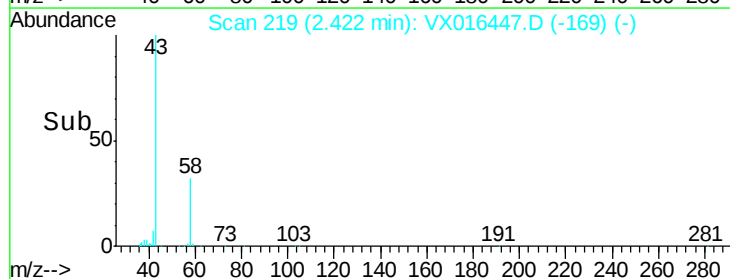
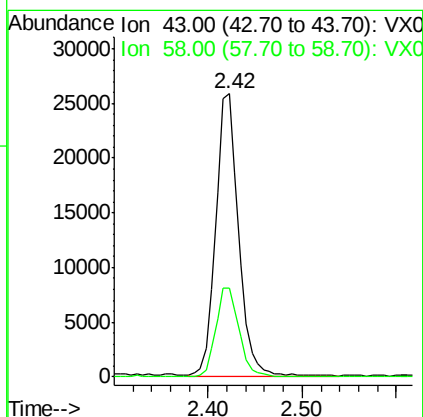
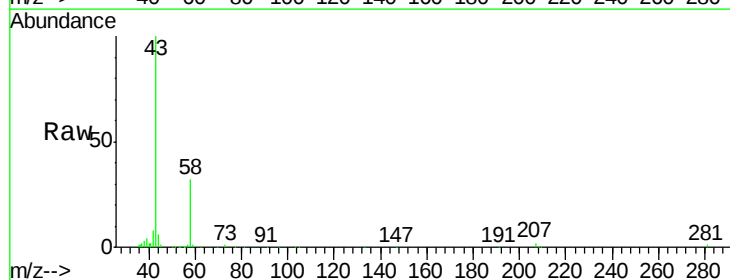
Manual Integrations
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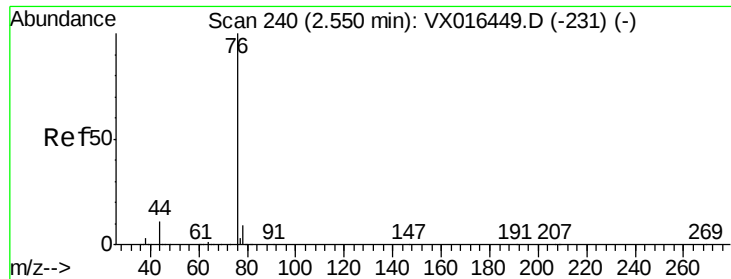
MMDadoda
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#16
 Acetone
 Concen: 24.449 ug/l
 RT: 2.42 min Scan# 219
 Delta R.T. 0.01 min
 Lab File: VX016447.D
 Acq: 27 May 2020 14:42

Tgt Ion:	43	Resp:	43325
Ion	Ratio	Lower	Upper
43	100		
58	31.7	26.1	39.1





#17

Carbon Disulfide

Concen: 4.135 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 43907

Ion Ratio Lower Upper

76 100

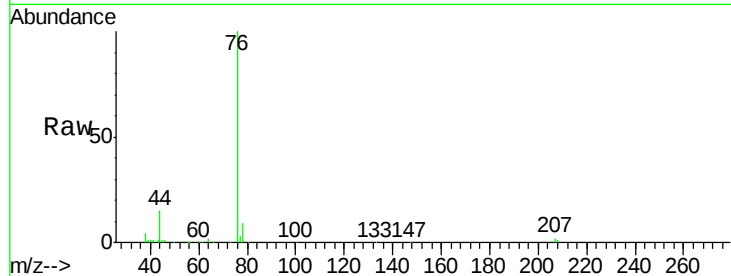
78 9.4 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

25000

20000

15000

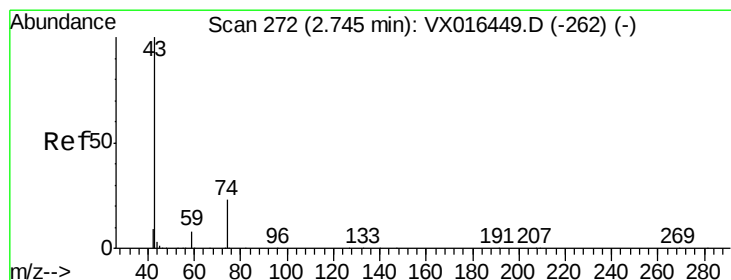
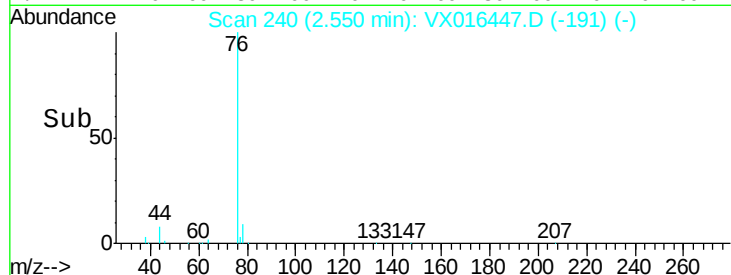
10000

5000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#18

Methyl Acetate

Concen: 5.021 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.00 min

Lab File: VX016447.D

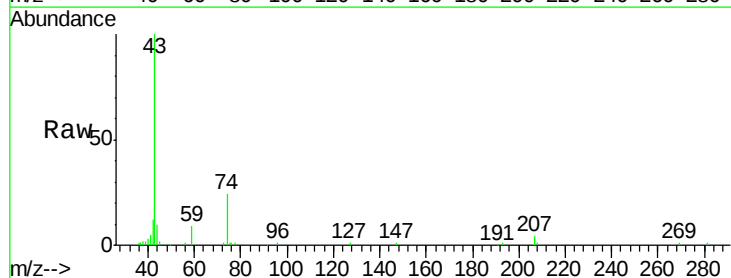
Acq: 27 May 2020 14:42

Tgt Ion: 43 Resp: 22053

Ion Ratio Lower Upper

43 100

74 24.2 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

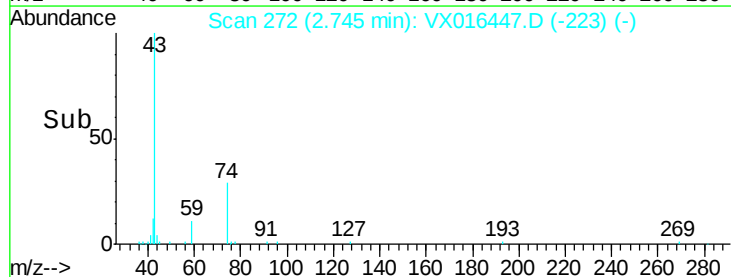
10000

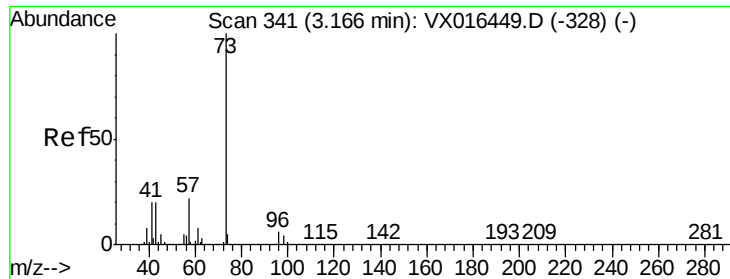
5000

0

Time-->

2.70 2.75 2.80





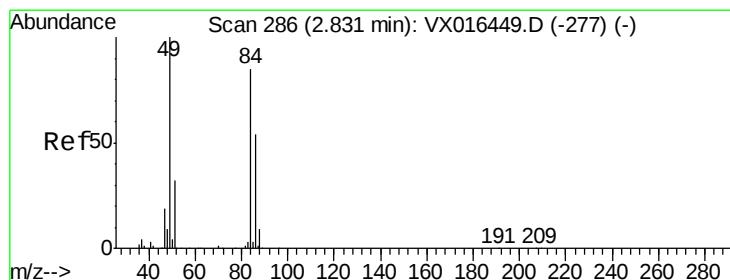
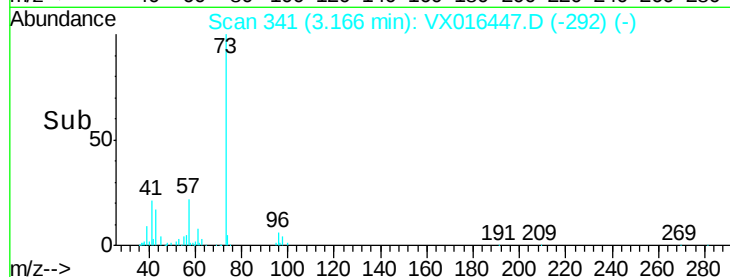
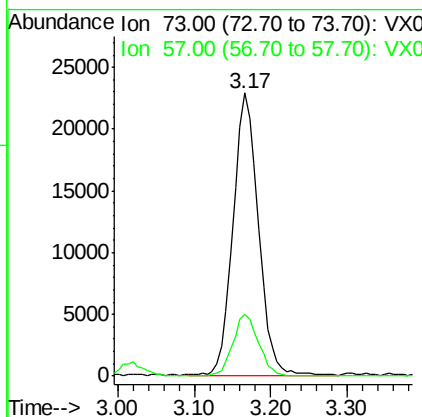
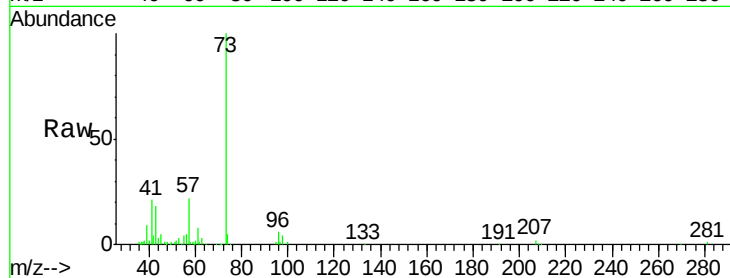
#19
Methvl tert-butvl Ether
Concen: 4.802 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.8	26.6

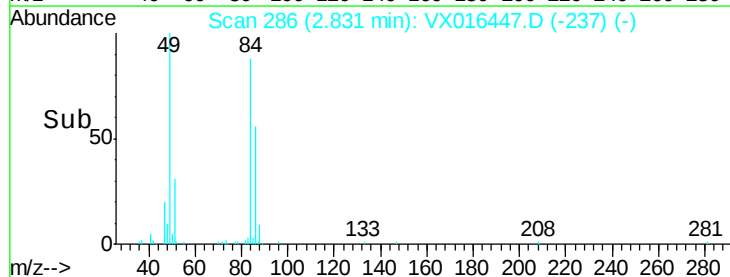
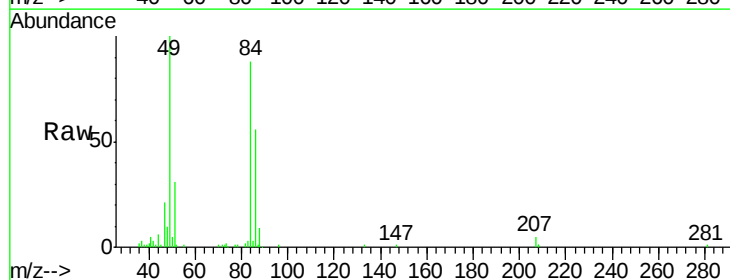
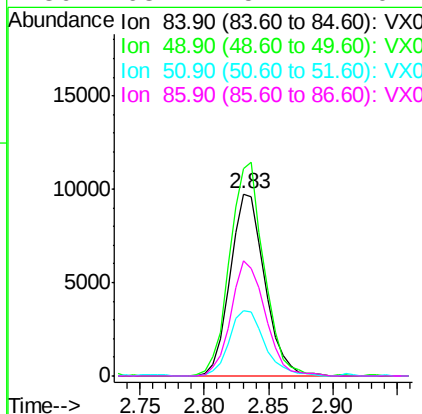
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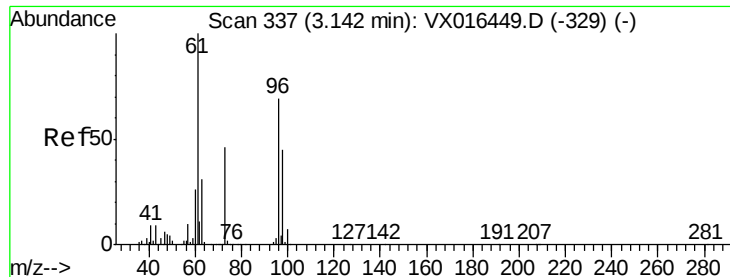
MMDadoda
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#20
Methylene Chloride
Concen: 5.003 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.9	94.5	141.7
51	35.5	30.2	45.4
86	63.4	51.1	76.7





#21

trans-1,2-Dichloroethene

Concen: 4.715 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

Instrument :

MSVOA_X

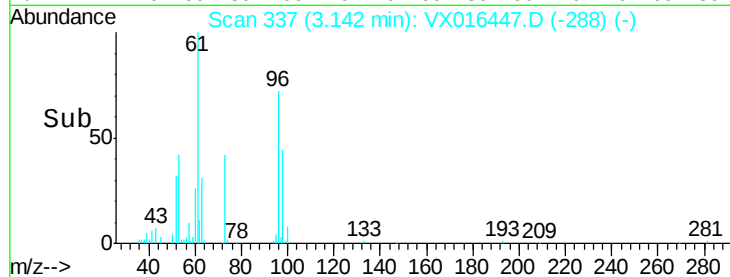
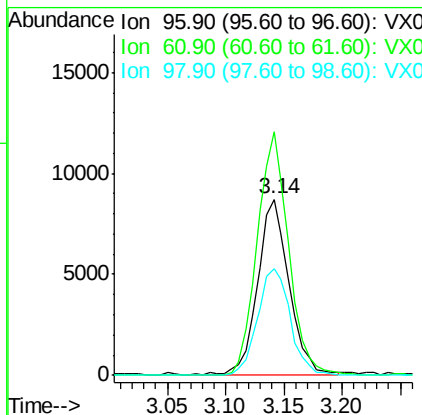
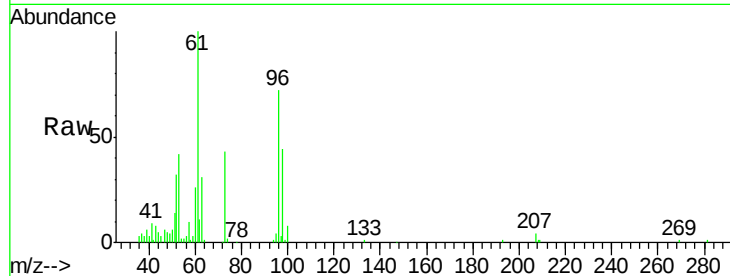
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	16510
Ion	Ratio	Lower	Upper
96	100		
61	138.2	115.3	172.9
98	60.5	51.9	77.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 4.875 ug/l

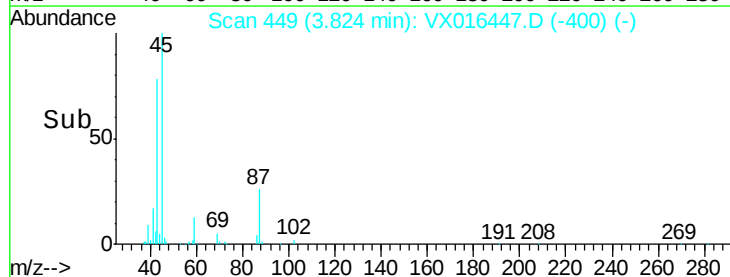
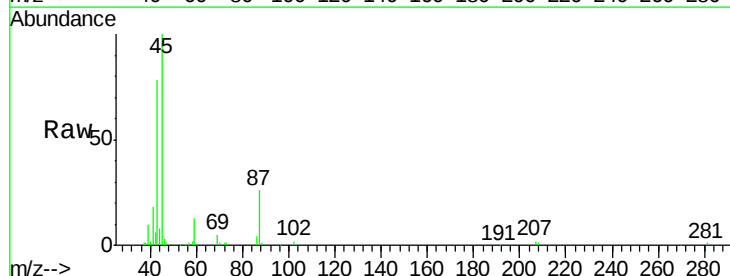
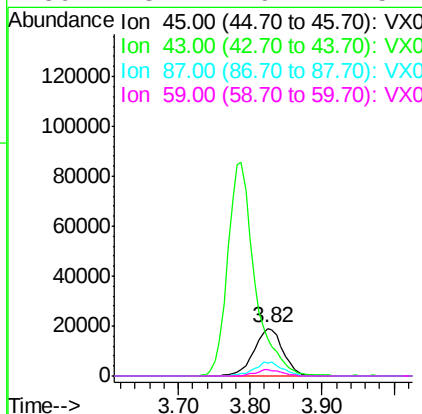
RT: 3.82 min Scan# 449

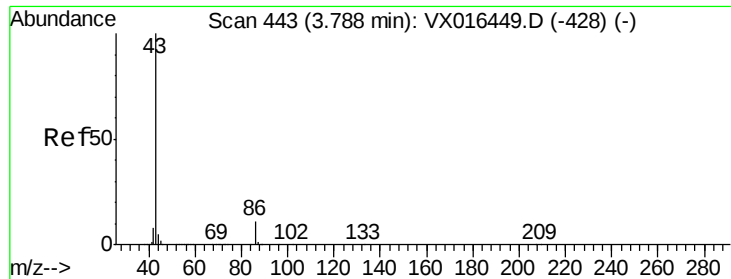
Delta R.T. -0.00 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

Tgt Ion:	45	Resp:	53156
Ion	Ratio	Lower	Upper
45	100		
43	78.1	57.0	85.6
87	26.2	22.5	33.7
59	13.1	9.1	13.7





#23

Vinyl Acetate

Concen: 23.493 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 225098

Ion Ratio Lower Upper

43 100

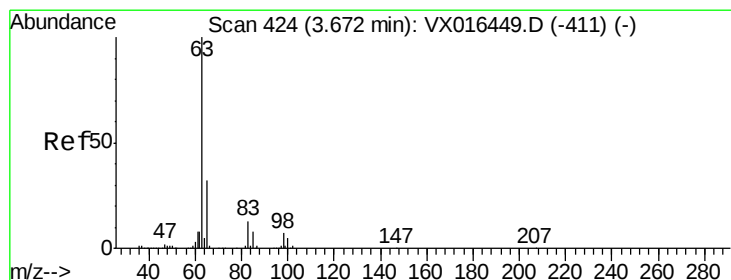
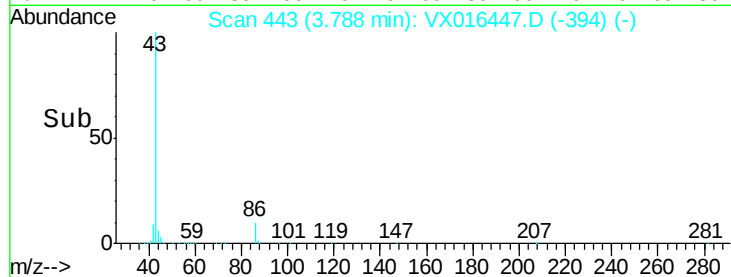
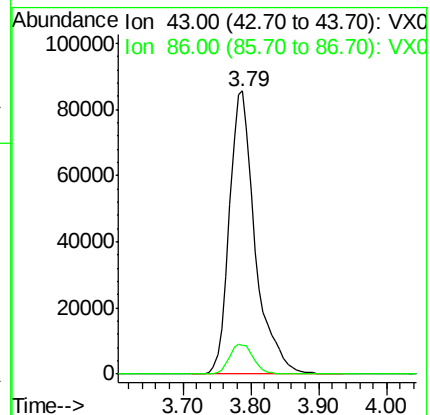
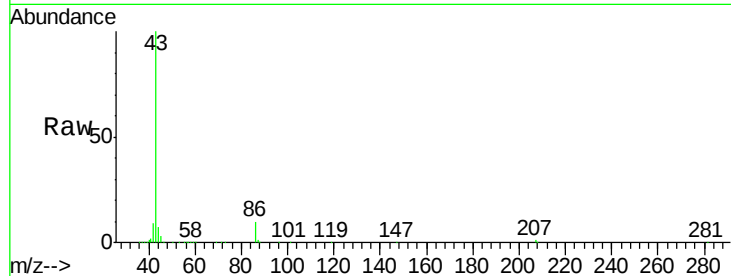
86 10.3 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 4.884 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

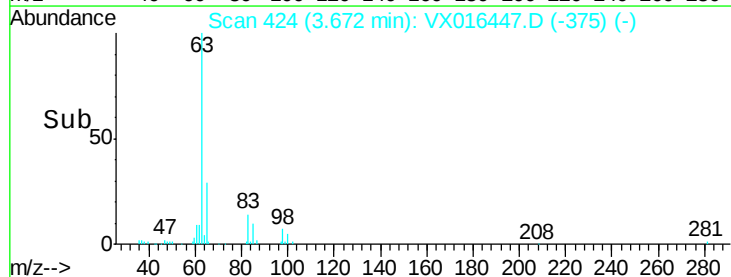
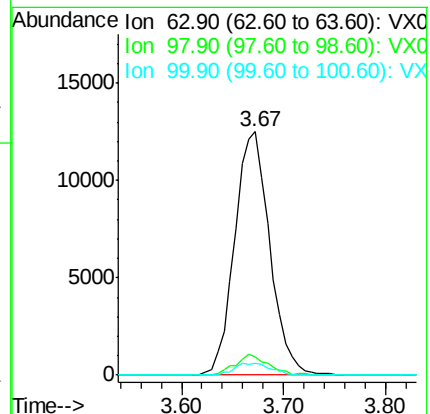
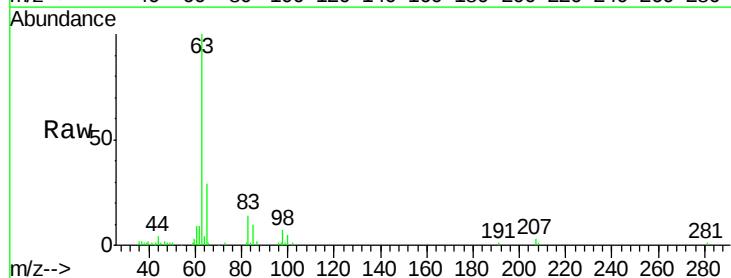
Tgt Ion: 63 Resp: 29775

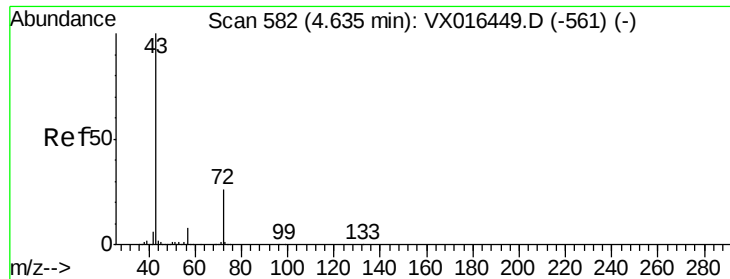
Ion Ratio Lower Upper

63 100

98 7.5 3.6 10.9

100 4.7 2.4 7.1





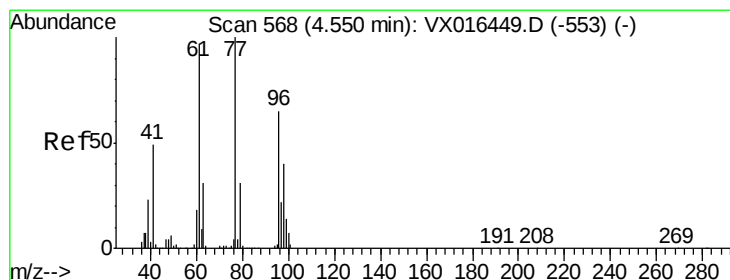
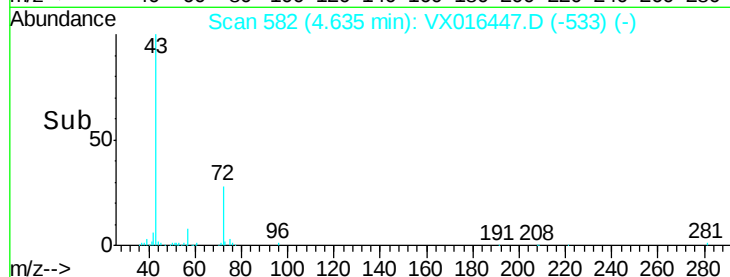
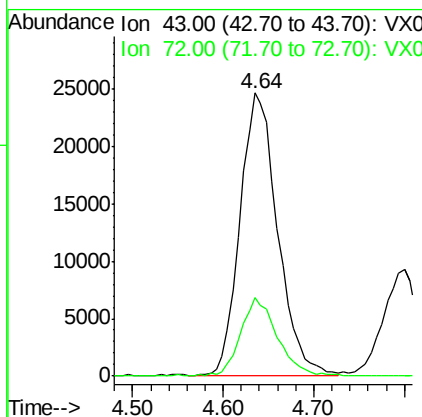
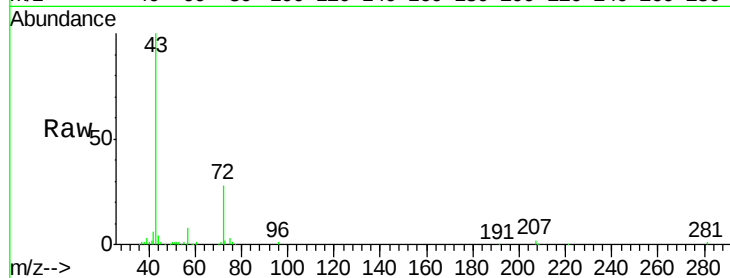
#25
2-Butanone
Concen: 24.444 ug/l
RT: 4.64 min Scan# 582
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 70309
Ion Ratio Lower Upper
43 100
72 27.6 21.0 31.6

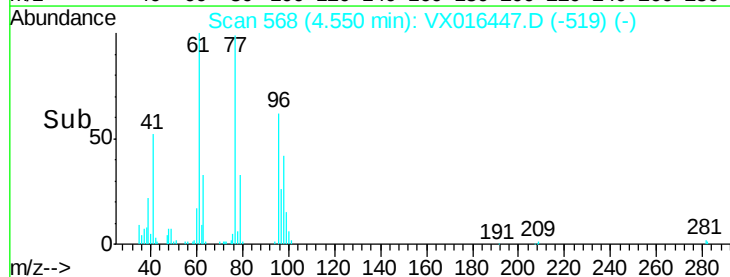
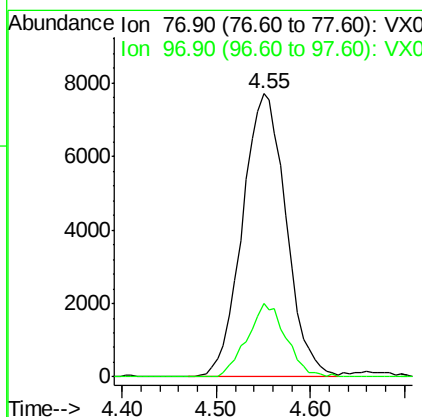
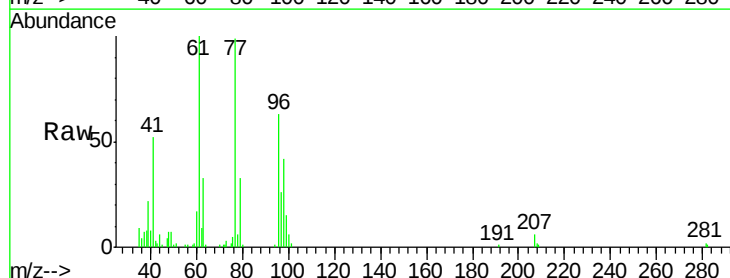
Manual Integrations
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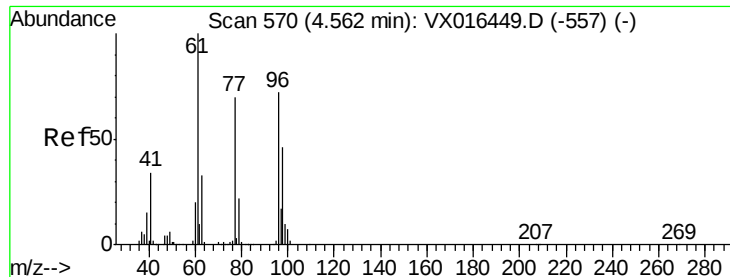
MMDadoda
5/28/2020 2:10:20 PM



#26
2,2-Dichloropropane
Concen: 4.599 ug/l
RT: 4.55 min Scan# 568
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Tgt Ion: 77 Resp: 25072
Ion Ratio Lower Upper
77 100
97 22.8 11.5 34.4





#27

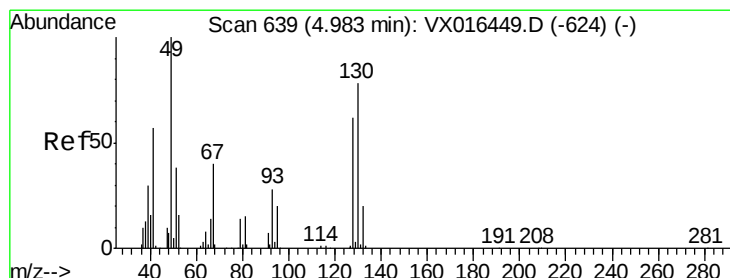
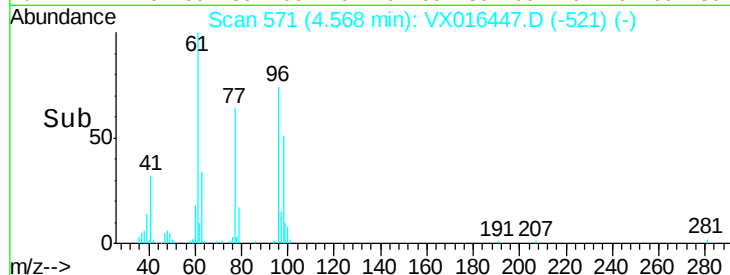
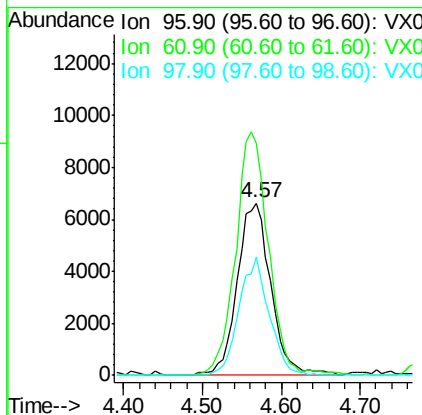
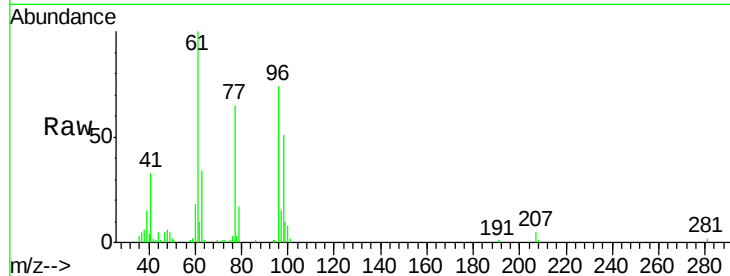
cis-1,2-Dichloroethene
Concen: 5.101 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
96	100	19576		
61	136.9	0.0	284.6	
98	61.8	0.0	127.2	

Manual Integrations
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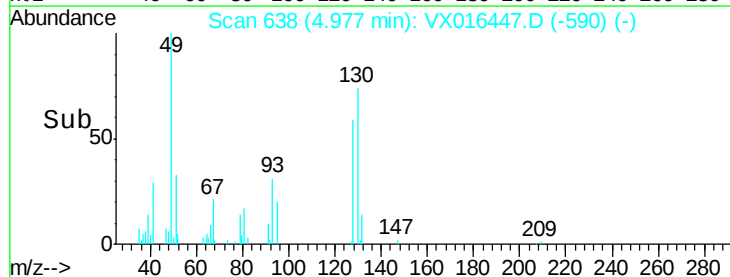
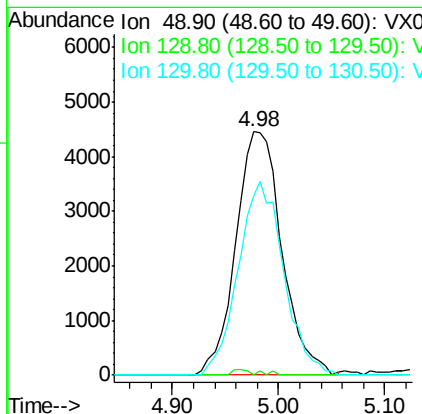
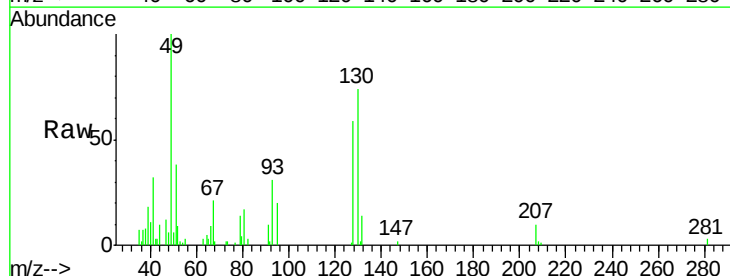
MMDadoda
5/28/2020 2:10:20 PM

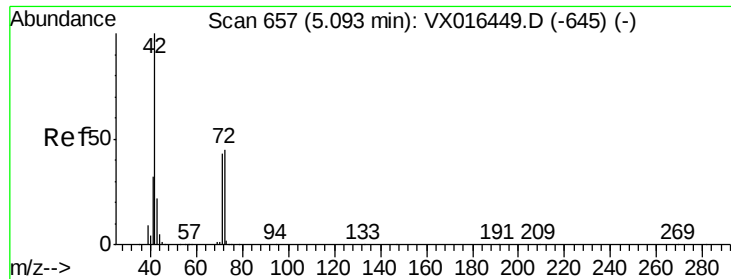


#28

Bromochloromethane
Concen: 4.887 ug/l
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	13528		
129	0.4	0.0	4.0	
130	78.3	63.0	94.4	





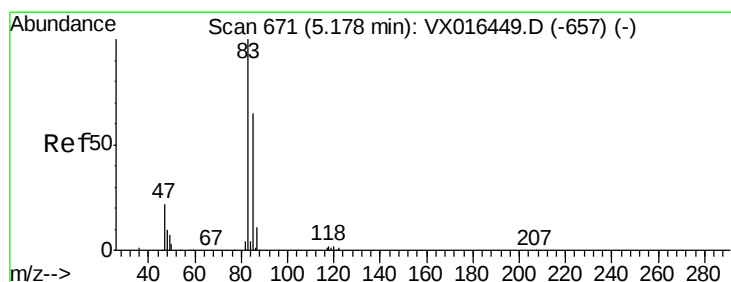
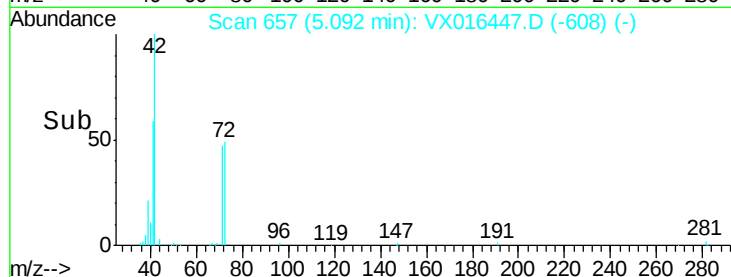
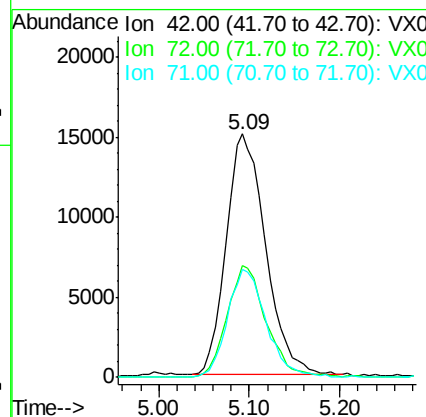
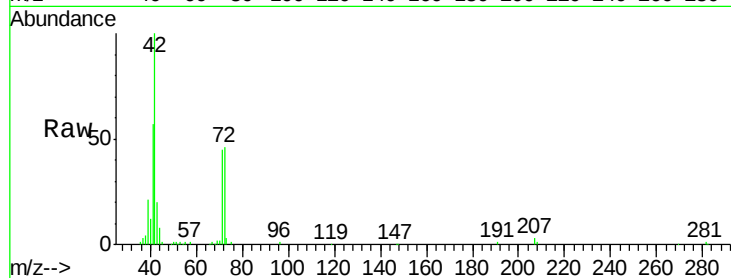
#29
Tetrahydrofuran
Concen: 23.857 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	37.0	55.4
71	44.0	34.1	51.1

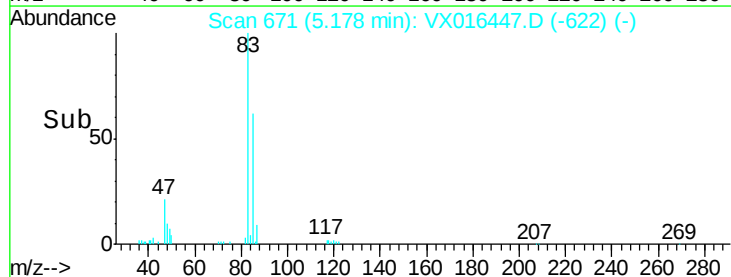
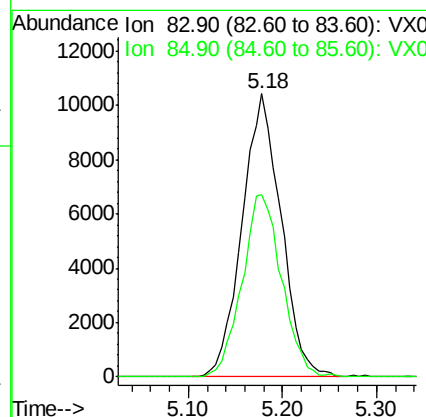
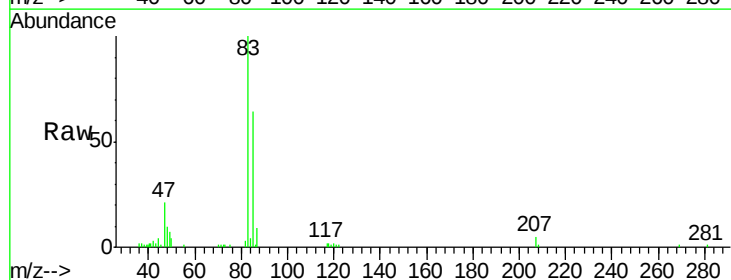
Manual Integrations
APPROVED

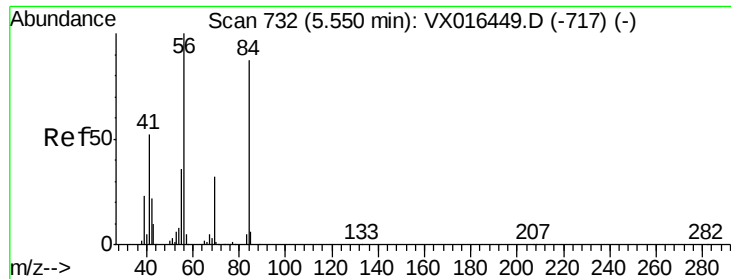
MMDadoda
5/28/2020 2:10:20 PM



#30
Chloroform
Concen: 4.962 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.0	78.0





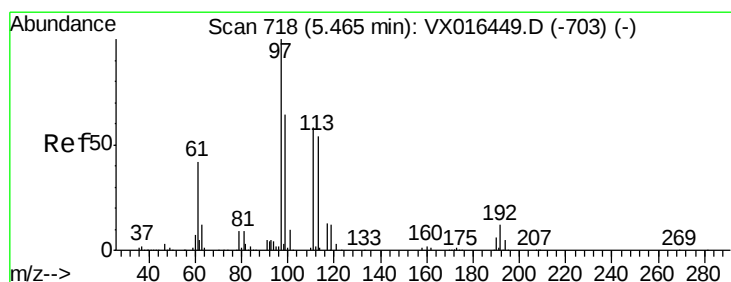
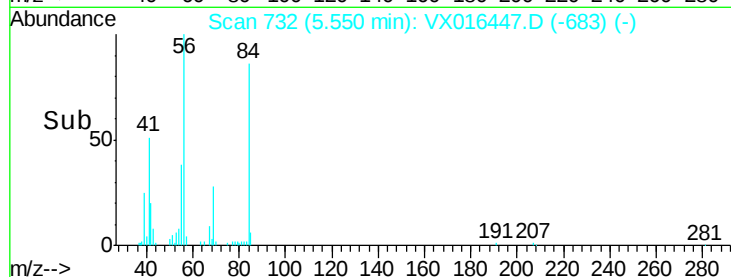
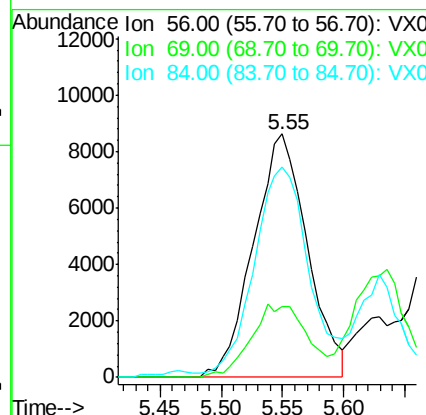
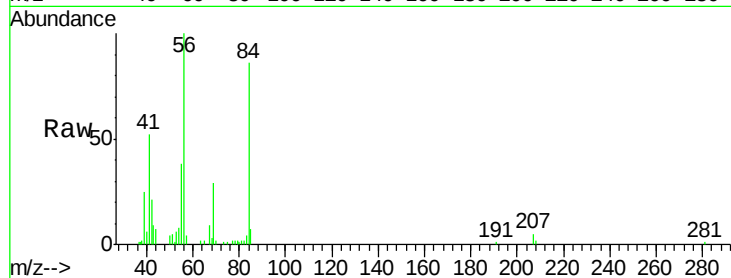
#31
Cyclohexane
Concen: 4.808 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.9	25.7	38.5
84	84.6	70.0	105.0

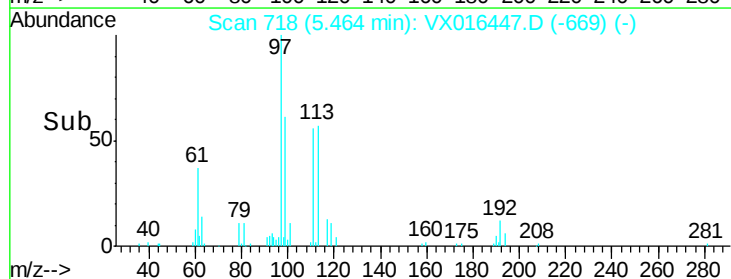
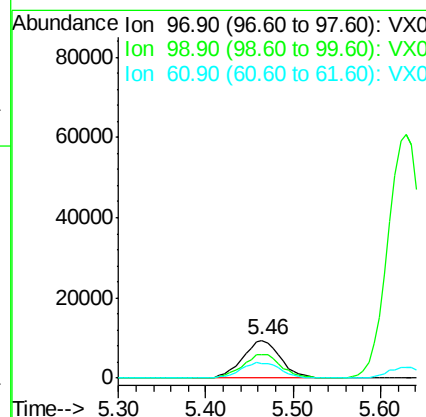
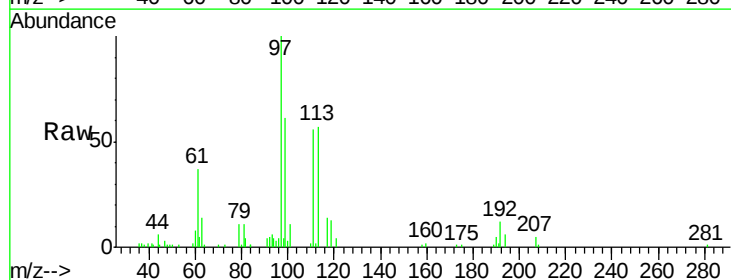
Manual Integrations
APPROVED

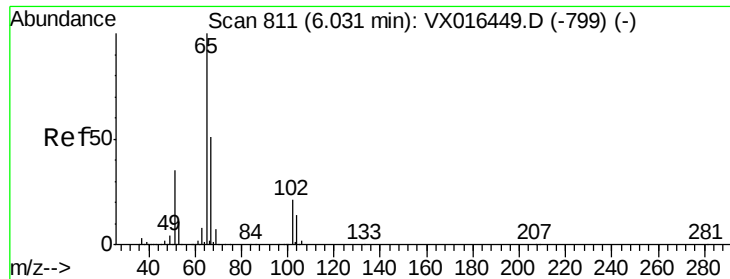
MMDadoda
5/28/2020 2:10:20 PM



#32
1,1,1-Trichloroethane
Concen: 5.070 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.4	77.2
61	43.4	33.5	50.3





#33

1,2-Dichloroethane-d4

Concen: 4.911 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 19597

Ion Ratio Lower Upper

65 100

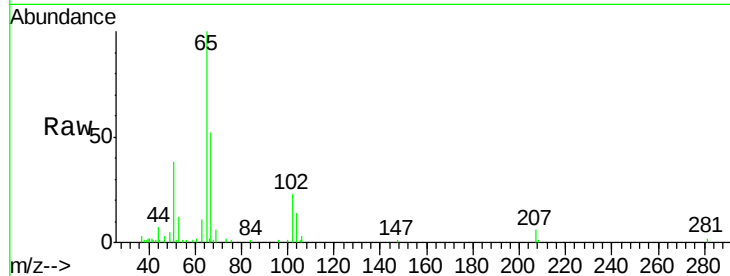
67 53.0 0.0 104.8

Manual Integrations

APPROVED

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

8000

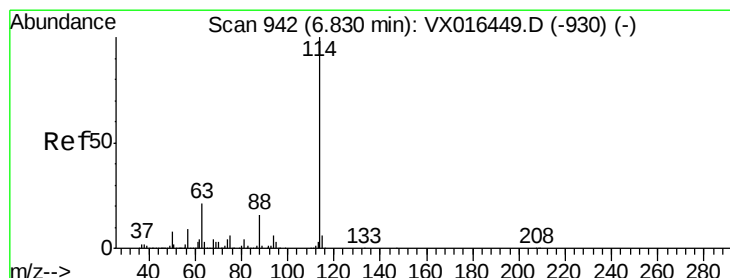
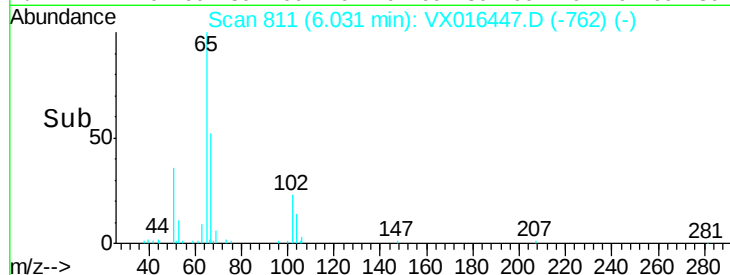
6000

4000

2000

0

Time--> 5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

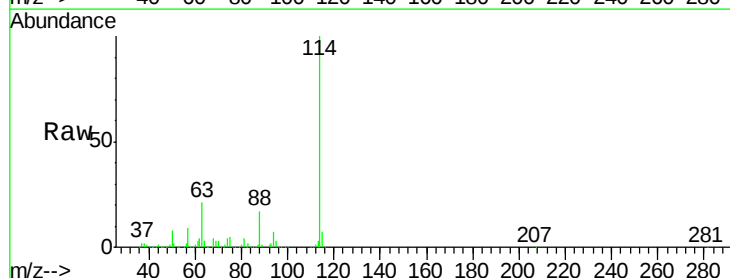
Tgt Ion: 114 Resp: 475983

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.6

88 16.5 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

250000

200000

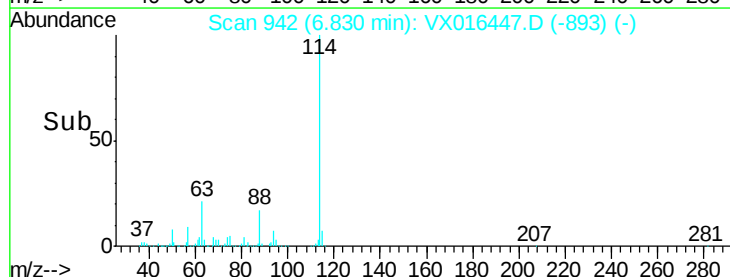
150000

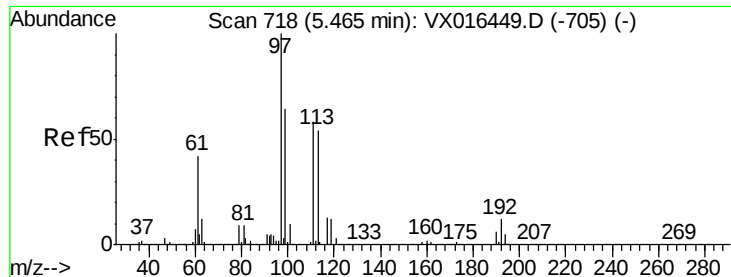
100000

50000

0

Time--> 6.70 6.80 6.90 7.00





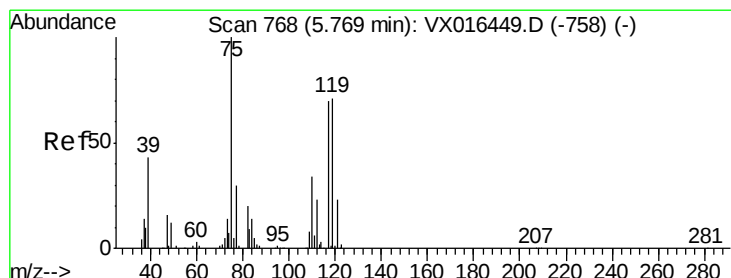
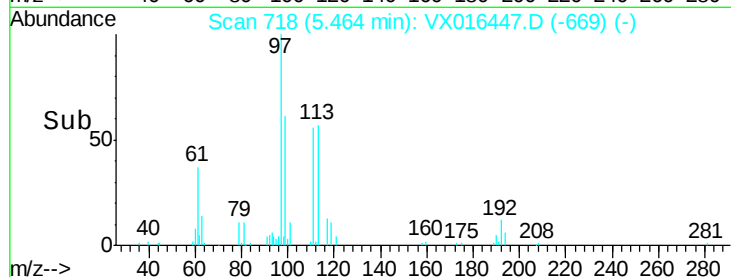
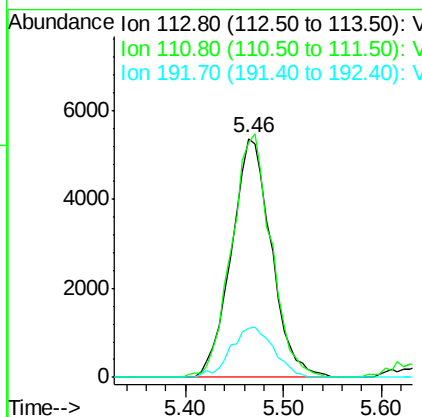
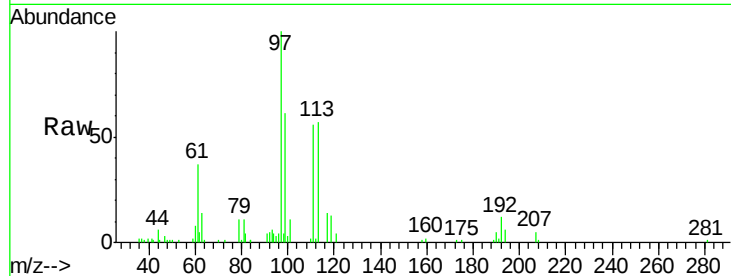
#35
 Dibromofluoromethane
 Concen: 5.024 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX016447.D
 Acq: 27 May 2020 14:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	83.0	124.6
192	22.5	17.7	26.5

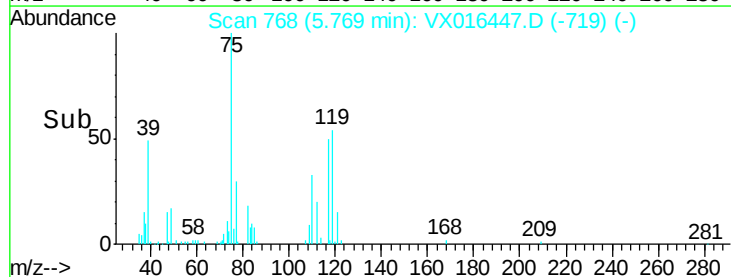
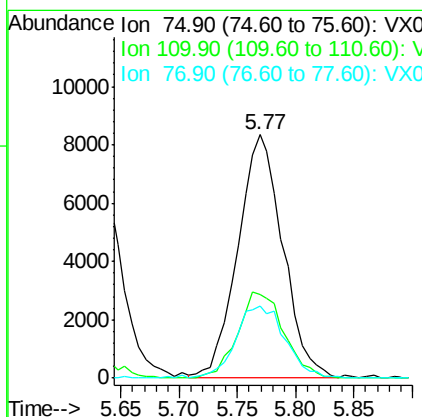
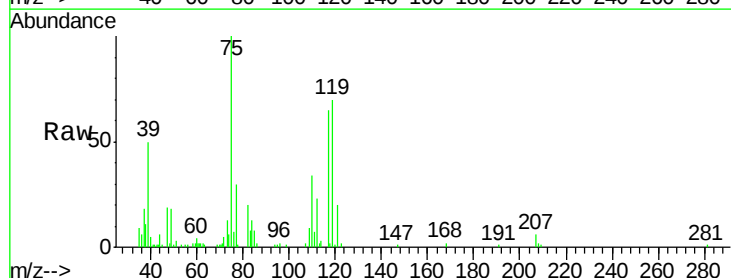
Manual Integrations
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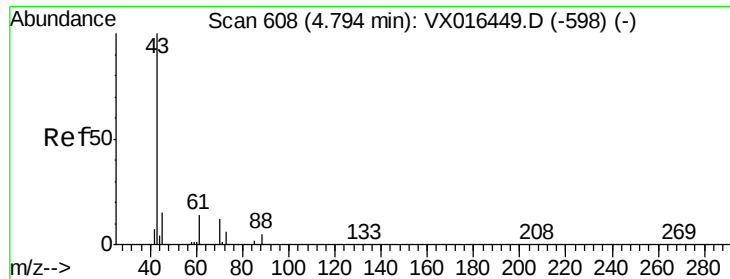
MMDadoda
 5/28/2020 2:10:20 PM



#36
 1,1-Dichloropropene
 Concen: 4.783 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX016447.D
 Acq: 27 May 2020 14:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	17.4	52.3
77	32.5	24.2	36.4





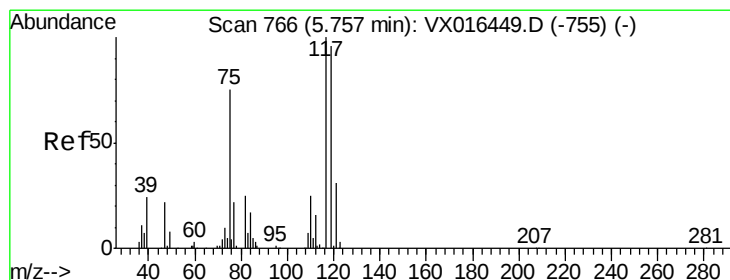
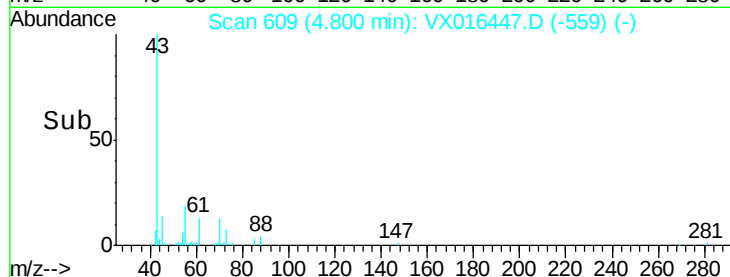
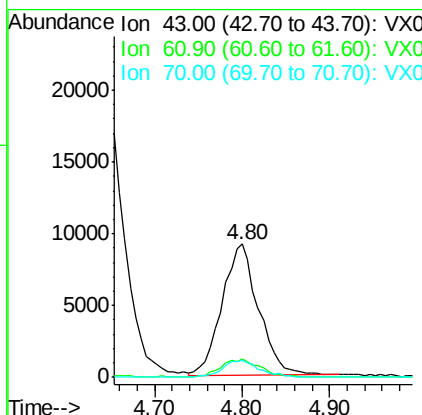
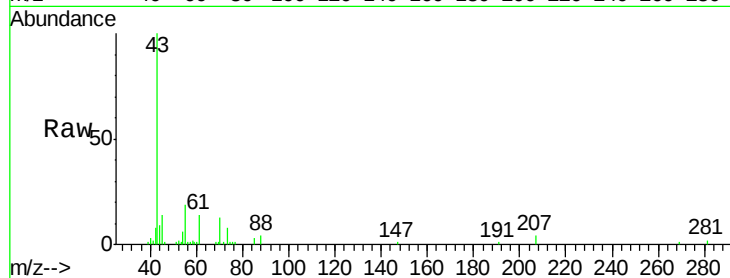
#37
Ethyl Acetate
Concen: 4.883 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.3	16.9
70	12.6	9.3	13.9

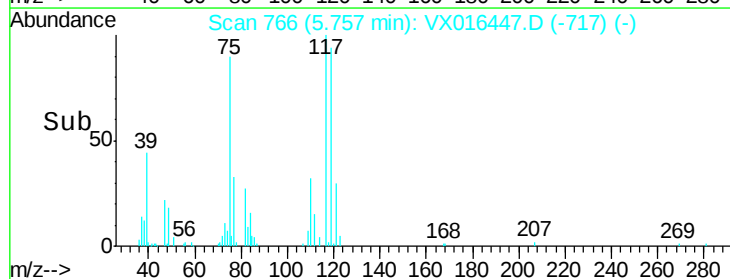
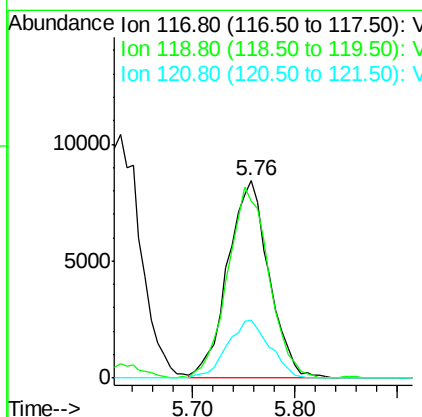
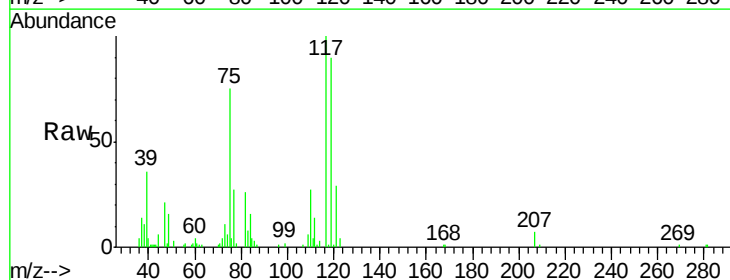
Manual Integrations
APPROVED

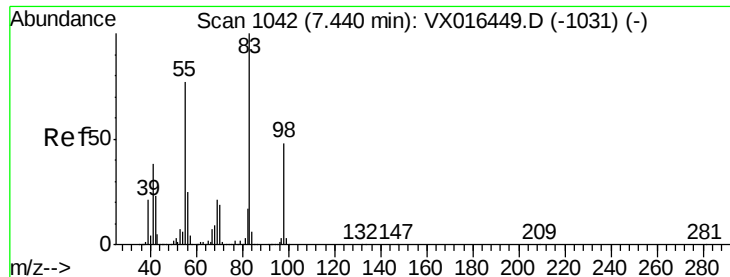
MMDadoda
5/28/2020 2:10:20 PM



#38
Carbon Tetrachloride
Concen: 4.957 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.8	76.3	114.5
121	29.2	24.6	37.0





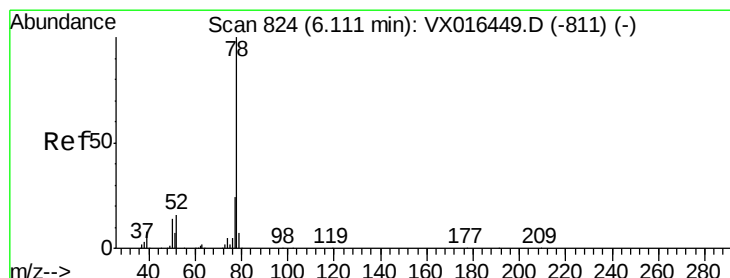
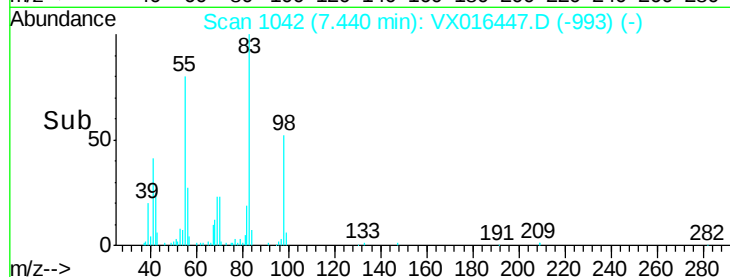
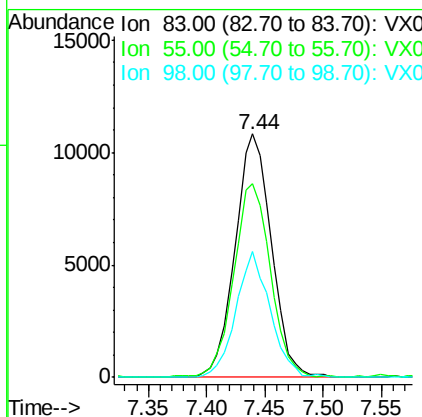
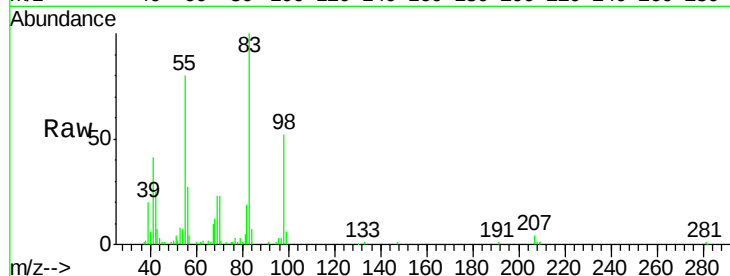
#39
Methvlcvclohexane
Concen: 4.239 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.7	61.7	92.5
98	51.7	38.7	58.1

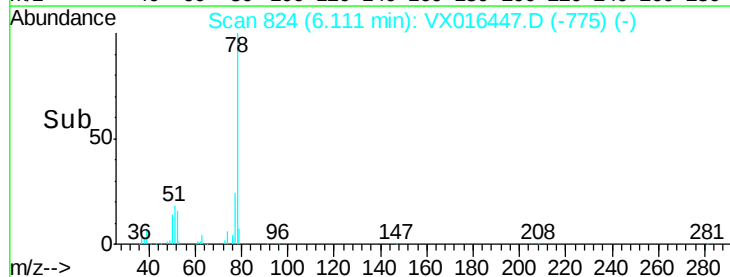
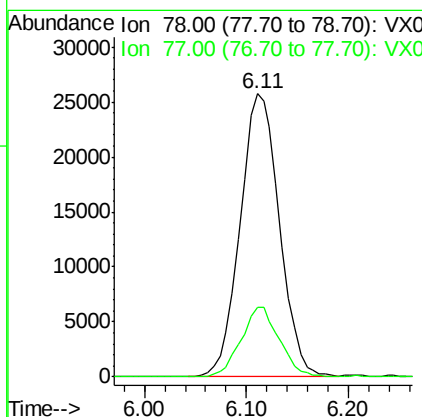
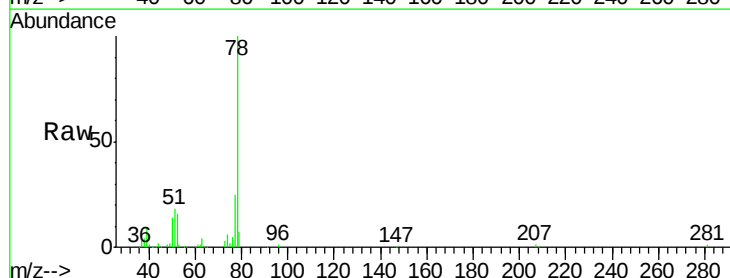
Manual Integrations
APPROVED

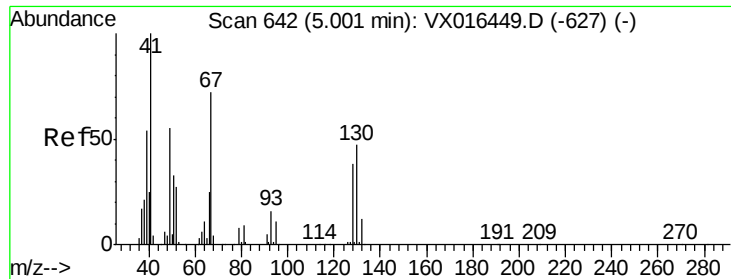
MMDadoda
5/28/2020 2:10:20 PM



#40
Benzene
Concen: 5.005 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.9	28.3





#41

Methacrylonitrile

Concen: 5.213 ug/l

RT: 5.00 min Scan# 642

Delta R.T. -0.00 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

Instrument :

MSVOA_X

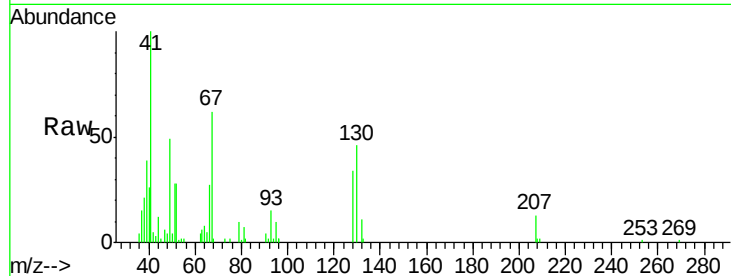
ClientSampleId :

VSTDIC005

Tot Ion:	41	Resp:	15313
Ion	Ratio	Lower	Upper
41	100		
39	48.2	43.0	64.4
67	70.5	58.9	88.3
52	30.0	23.1	34.7

Manual Integrations
APPROVED

MMDadoda
5/28/2020 2:10:20 PM

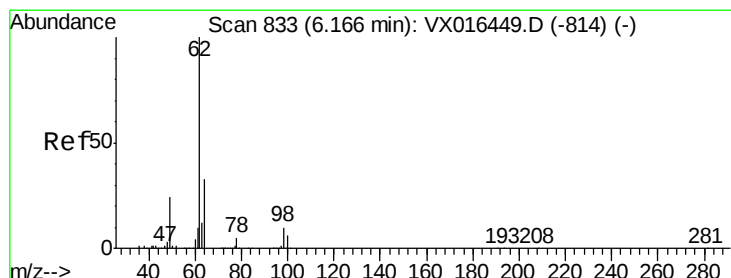
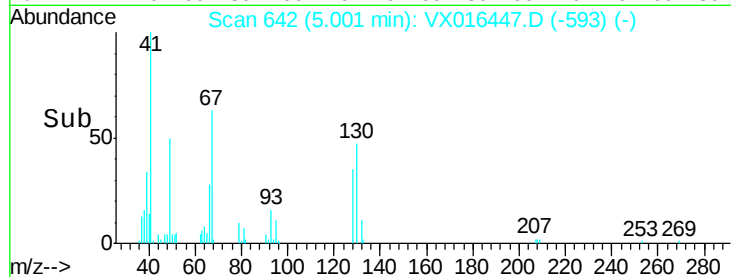
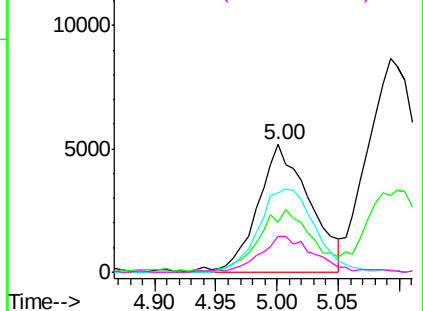


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 5.009 ug/l

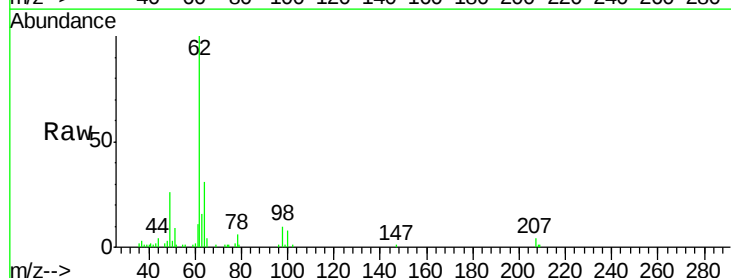
RT: 6.17 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX016447.D

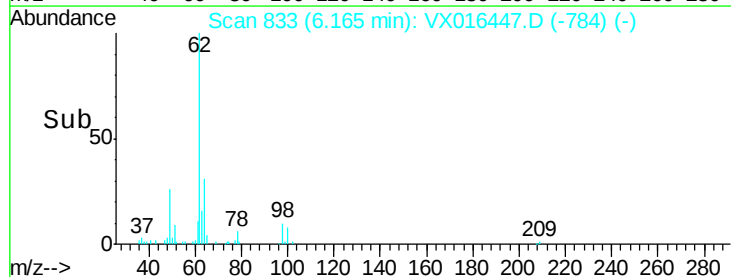
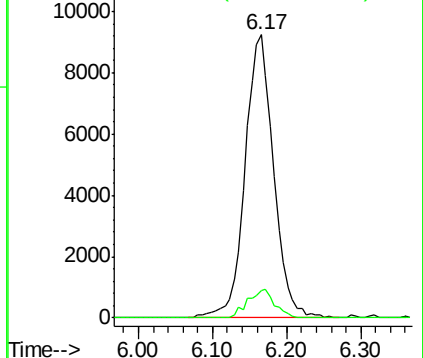
Acq: 27 May 2020 14:42

Tgt Ion:	62	Resp:	24805
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





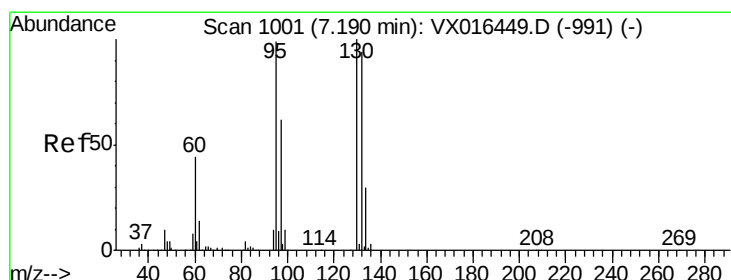
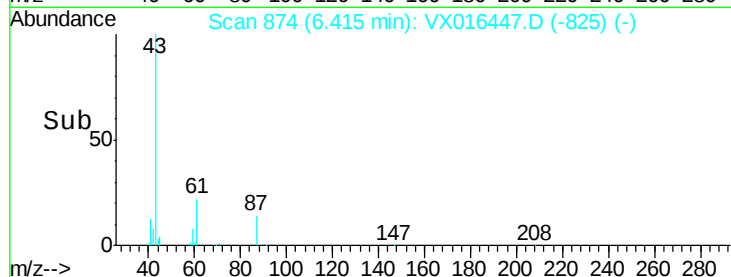
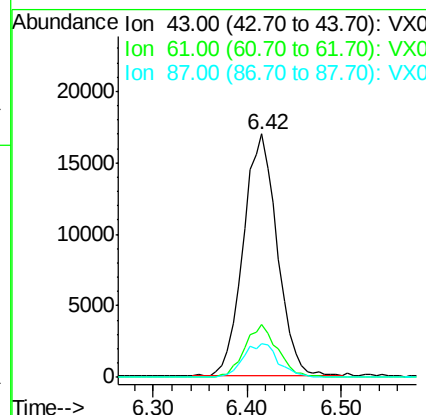
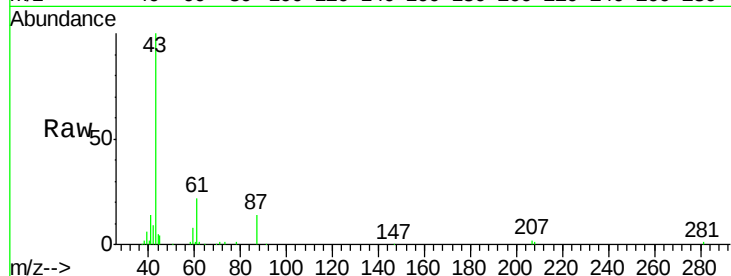
#43
Isopropyl Acetate
Concen: 4.937 ug/l
RT: 6.42 min Scan# 874
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	16.8	25.2
87	14.4	11.2	16.8

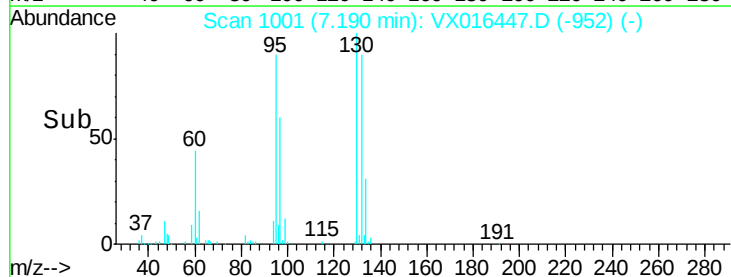
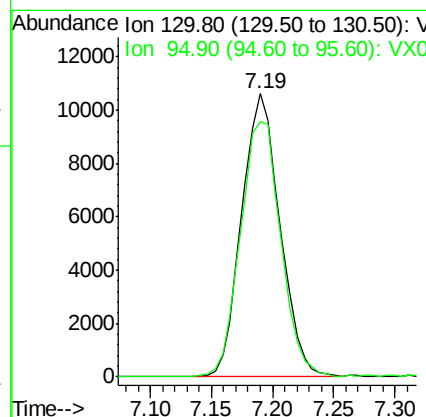
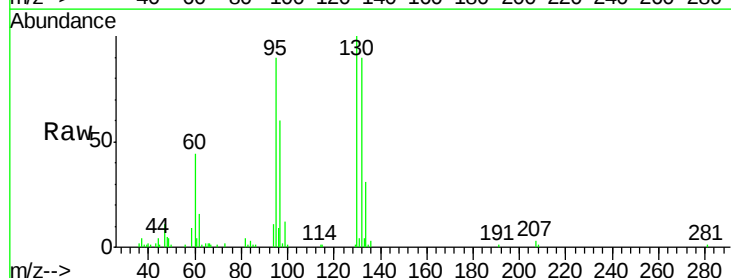
Manual Integrations
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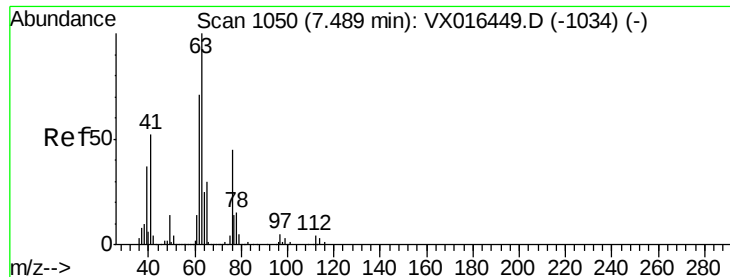
MMDadoda
5/28/2020 2:10:20 PM



#44
Trichloroethene
Concen: 4.812 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.3	0.0	198.2





#45

1,2-Dichloropropane

Concen: 4.953 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 17227

Ion Ratio Lower Upper

63 100

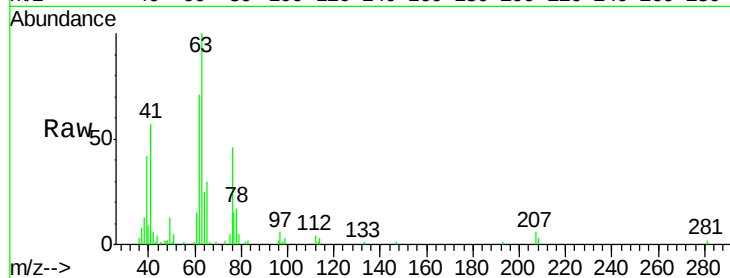
65 30.0 24.2 36.2

Manual Integrations

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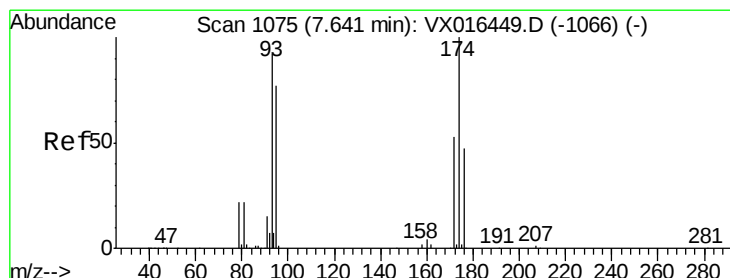
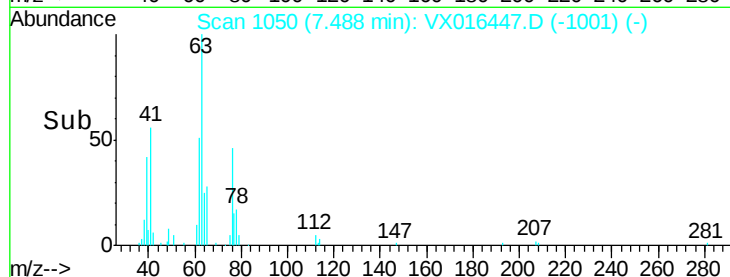
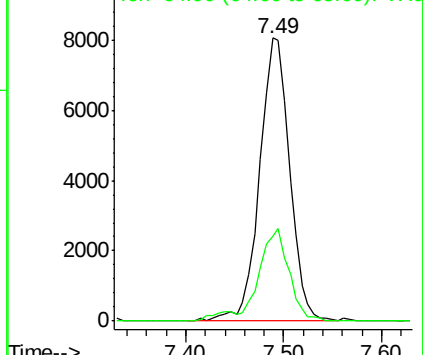
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 5.084 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

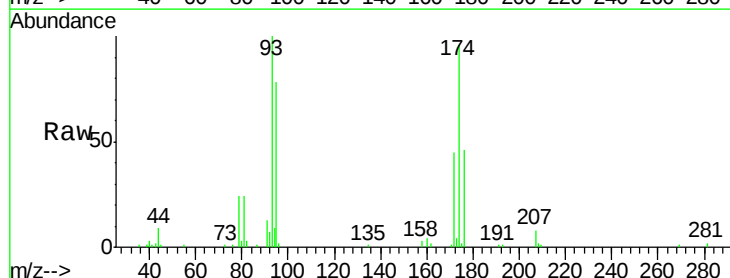
Tgt Ion: 93 Resp: 12016

Ion Ratio Lower Upper

93 100

95 79.5 66.6 100.0

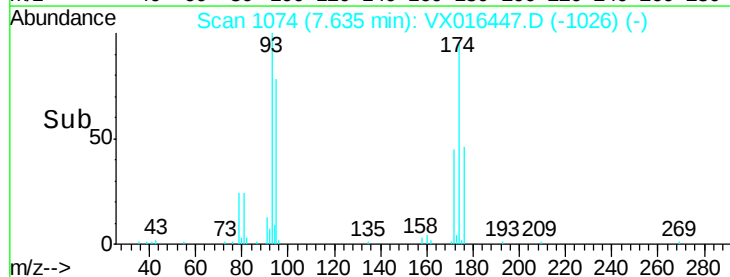
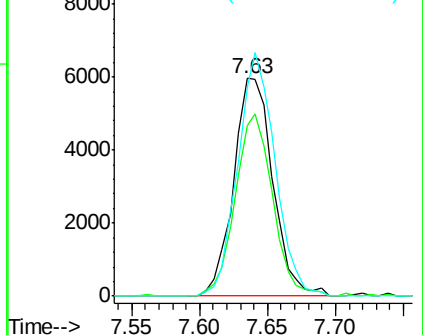
174 106.6 86.2 129.4

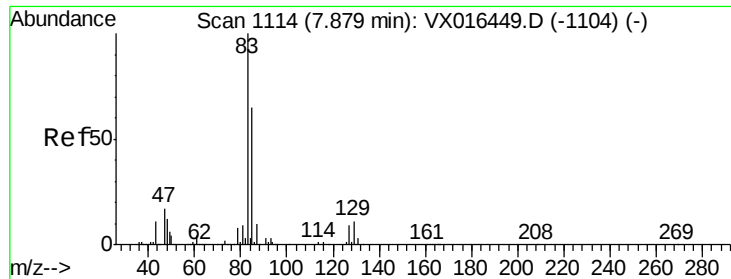


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 5.000 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

Instrument :

MSVOA_X

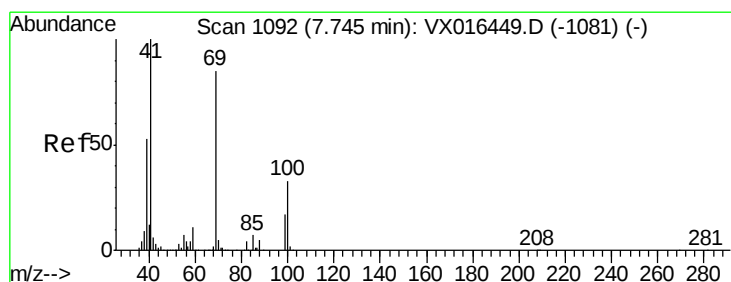
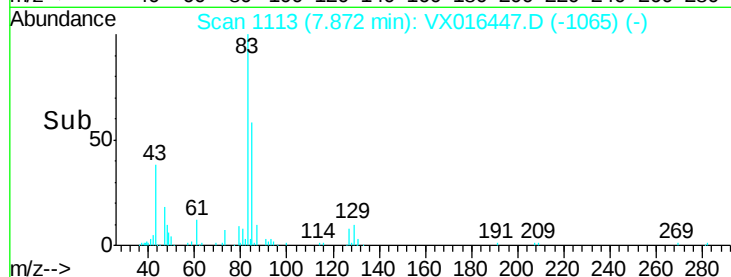
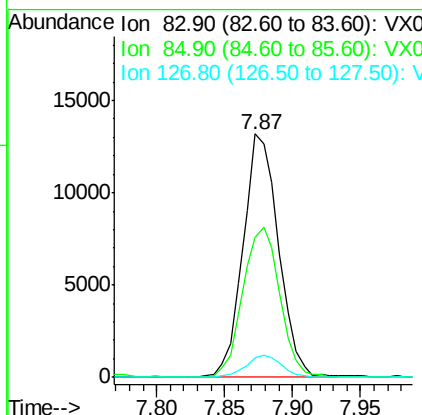
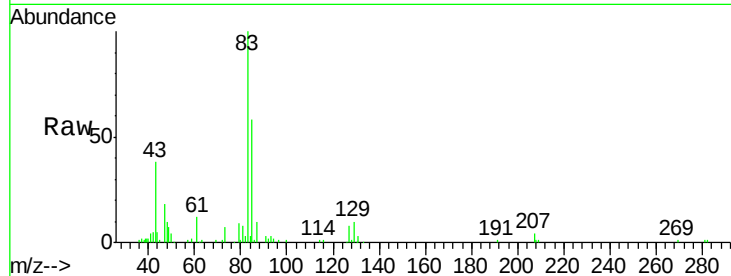
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	24076
Ion	Ratio	Lower	Upper
83	100		
85	57.6	52.0	78.0
127	8.0	7.4	11.0

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#48

Methyl methacrylate

Concen: 4.732 ug/l

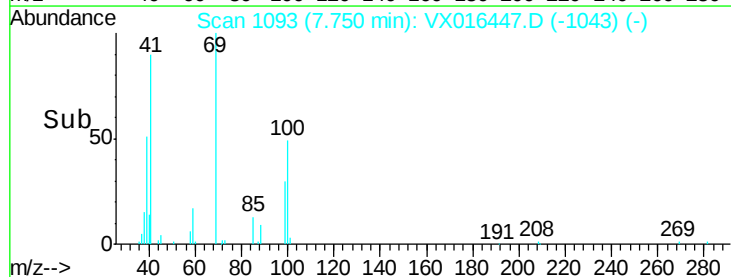
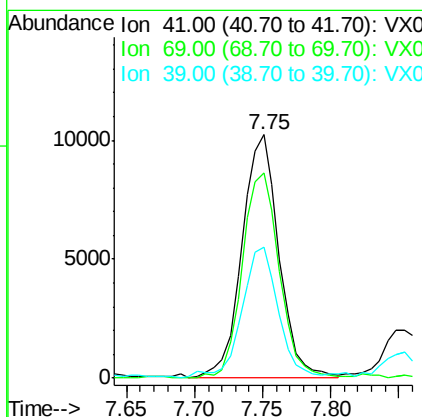
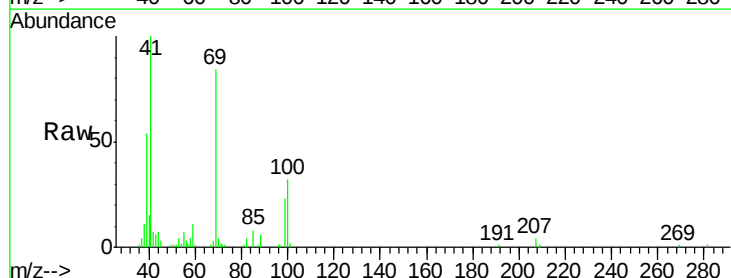
RT: 7.75 min Scan# 1093

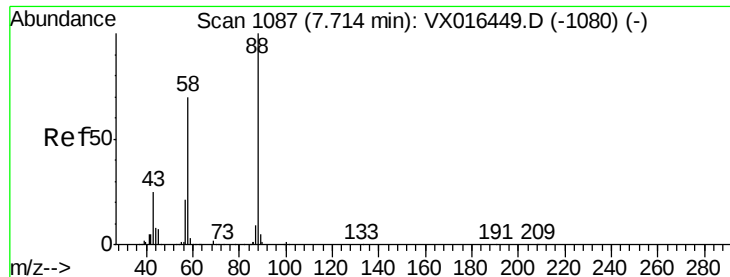
Delta R.T. 0.01 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

Tgt Ion:	41	Resp:	19511
Ion	Ratio	Lower	Upper
41	100		
69	84.8	68.6	102.8
39	53.1	42.4	63.6





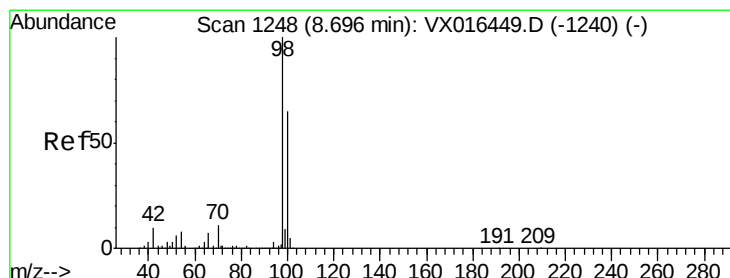
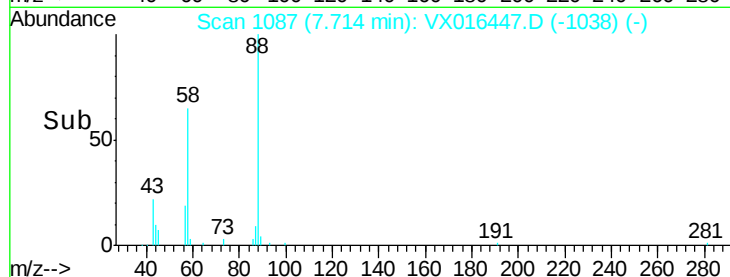
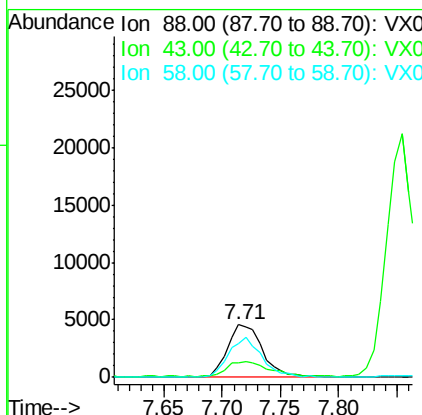
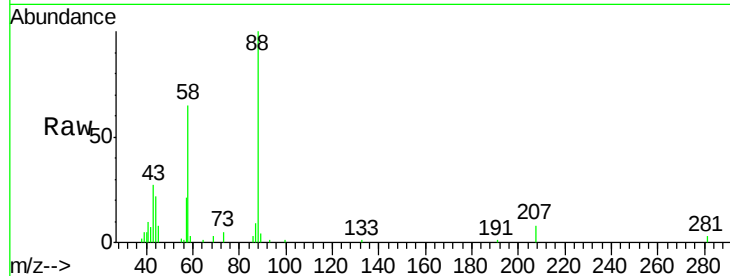
#49
1,4-Dioxane
Concen: 98.046 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	88	Resp:	9667
Ion	Ratio	Lower	Upper
88	100		
43	35.3	24.2	36.4
58	70.3	56.5	84.7

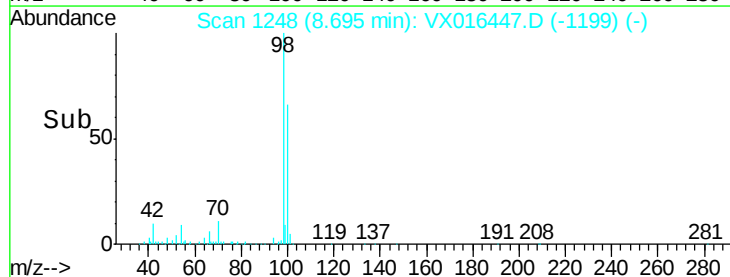
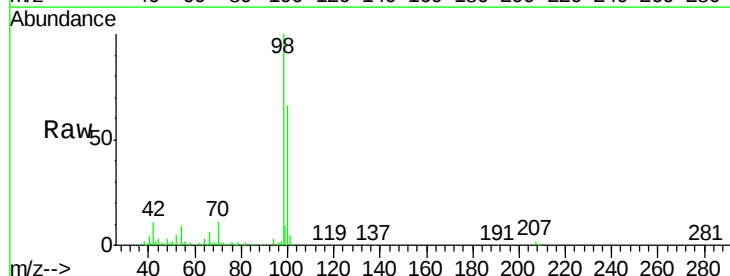
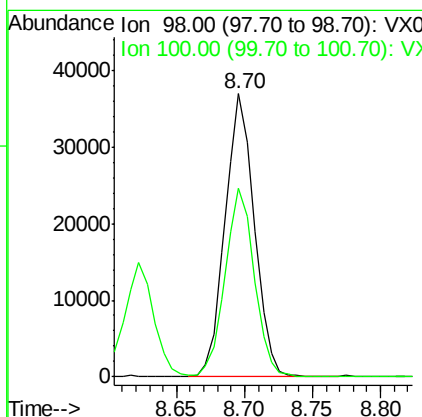
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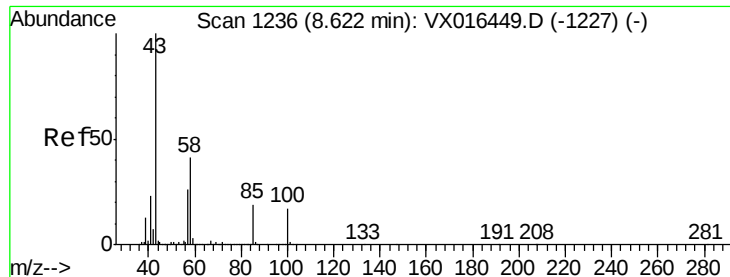
MMDadoda
5/28/2020 2:10:20 PM



#50
Toluene-d8
Concen: 4.741 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Tgt Ion:	98	Resp:	55460
Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.8	80.6





#51

4-Methyl-2-Pentanone

Concen: 24.647 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 131243

Ion Ratio Lower Upper

43 100

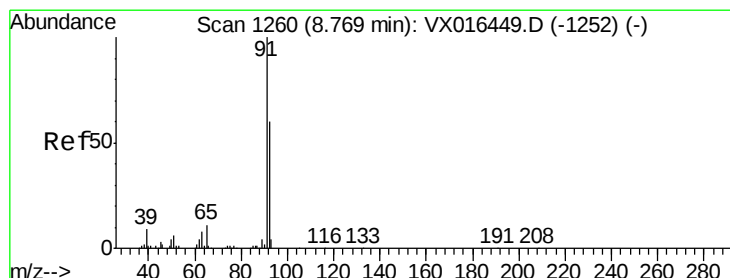
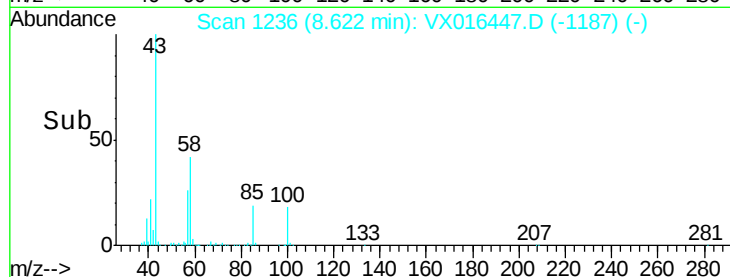
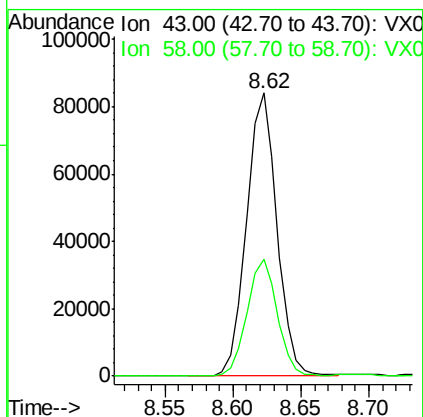
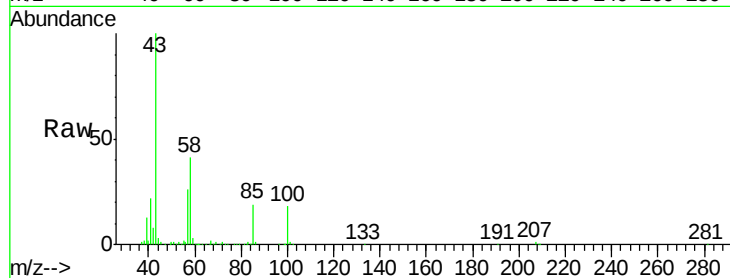
58 41.3 33.0 49.6

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#52

Toluene

Concen: 4.985 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016447.D

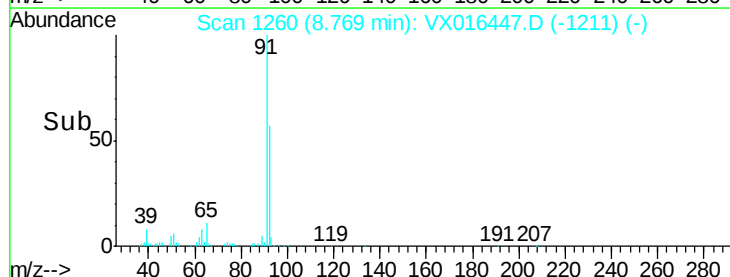
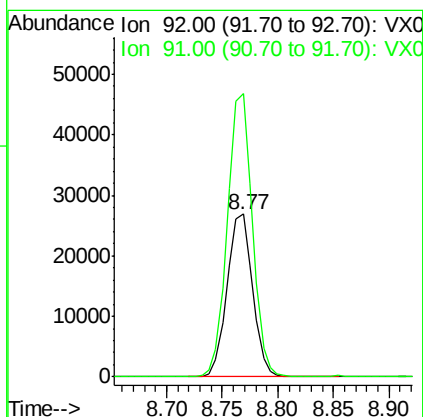
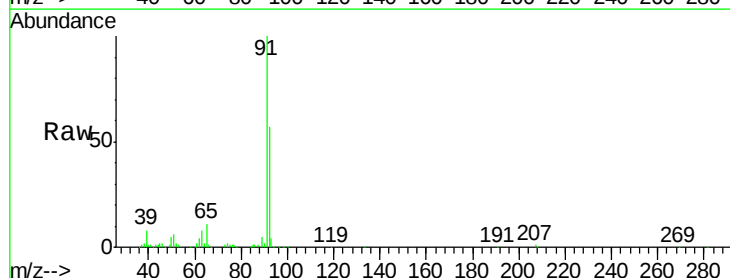
Acq: 27 May 2020 14:42

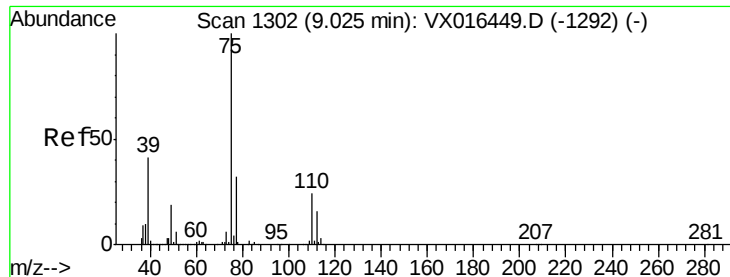
Tgt Ion: 92 Resp: 42773

Ion Ratio Lower Upper

92 100

91 170.6 135.0 202.4





#53

t-1,3-Dichloropropene

Concen: 4.673 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 26736

Ion Ratio Lower Upper

75 100

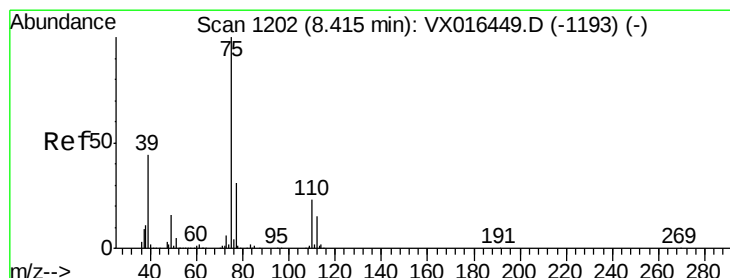
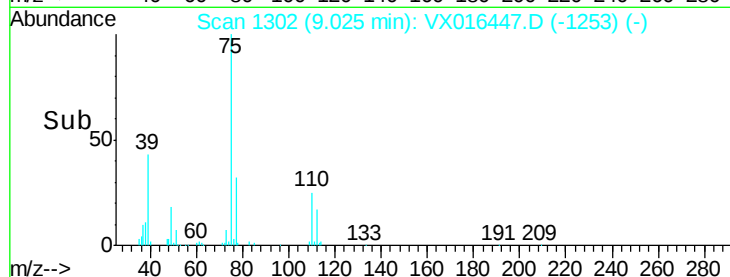
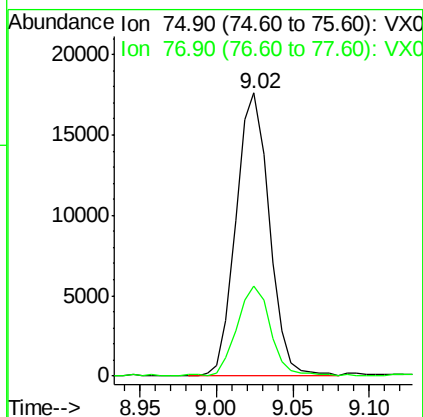
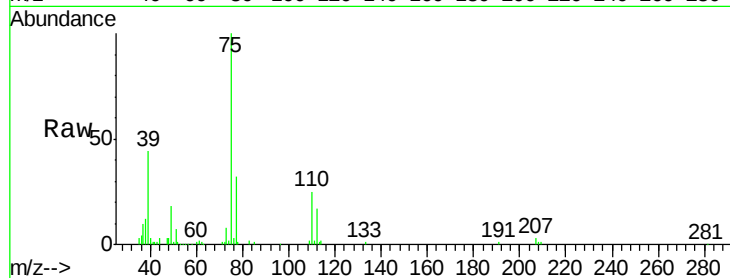
77 31.3 25.5 38.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 4.790 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

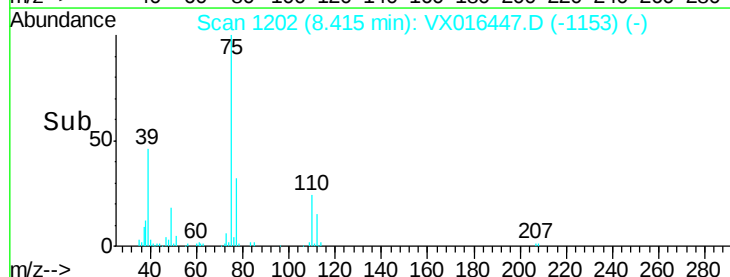
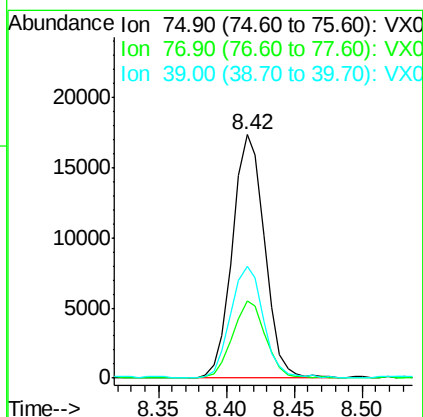
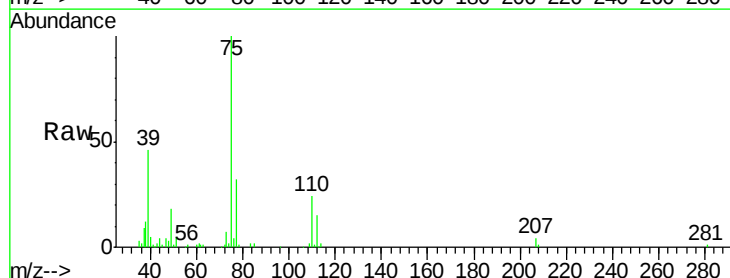
Tgt Ion: 75 Resp: 28641

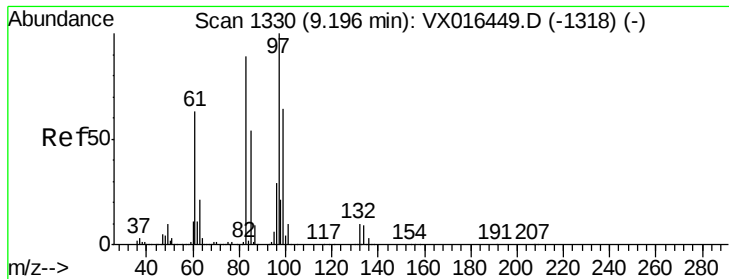
Ion Ratio Lower Upper

75 100

77 31.8 24.6 36.8

39 45.8 35.3 52.9





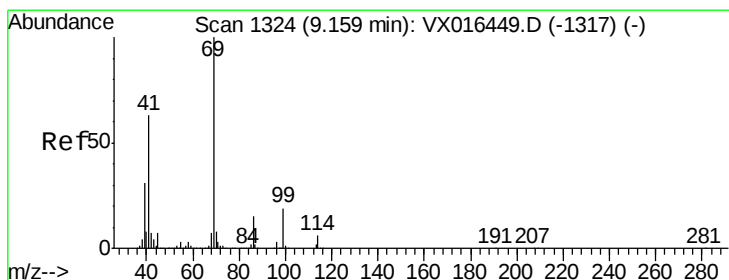
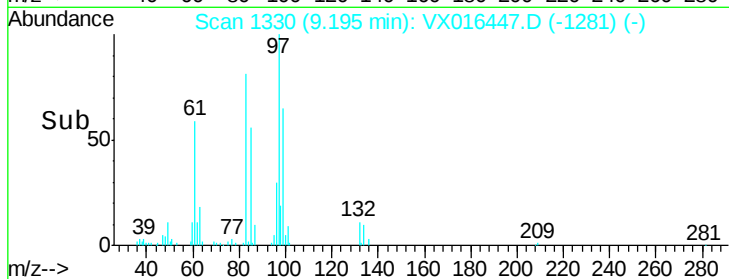
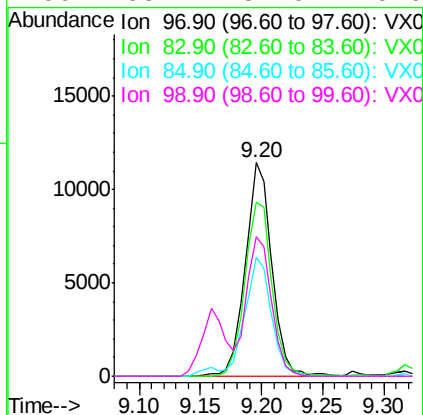
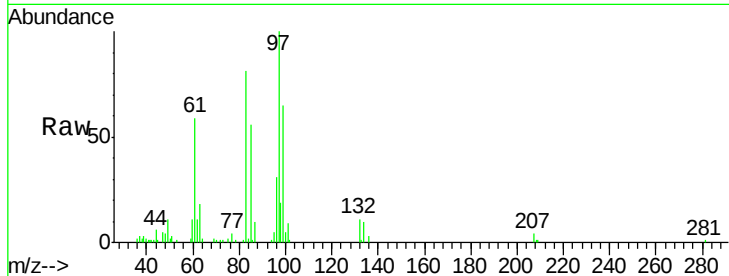
#55
 1,1,2-Trichloroethane
 Concen: 5.097 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016447.D
 Acq: 27 May 2020 14:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	17190
Ion	Ratio	Lower	Upper
97	100		
83	81.3	70.9	106.3
85	55.9	43.4	65.2
99	65.1	51.0	76.6

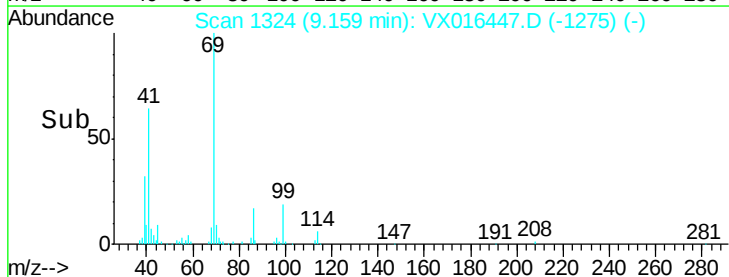
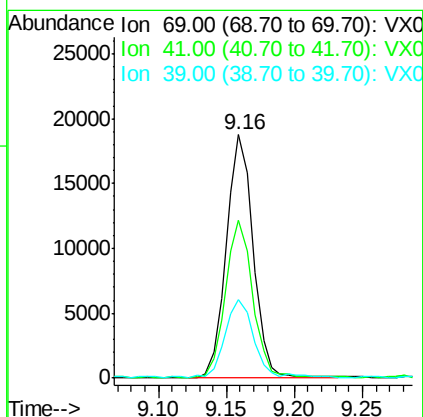
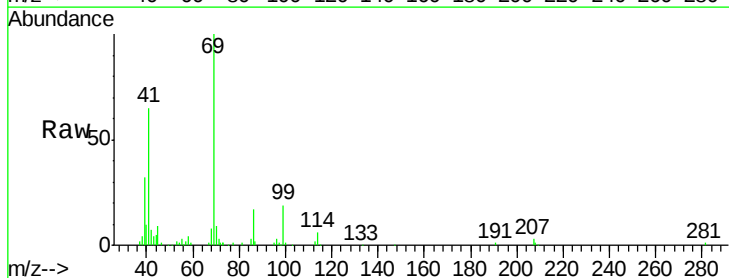
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#56
 Ethyl methacrylate
 Concen: 4.680 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016447.D
 Acq: 27 May 2020 14:42

Tgt Ion:	69	Resp:	25833
Ion	Ratio	Lower	Upper
69	100		
41	64.9	50.7	76.1
39	32.4	25.8	38.6





#57

1,3-Dichloropropane

Concen: 5.013 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 29527

Ion Ratio Lower Upper

76 100

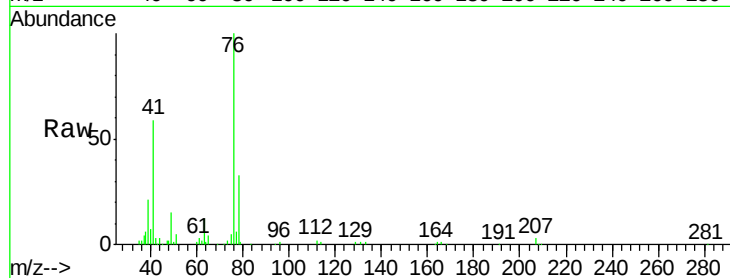
78 32.5 26.2 39.4

Manual Integrations

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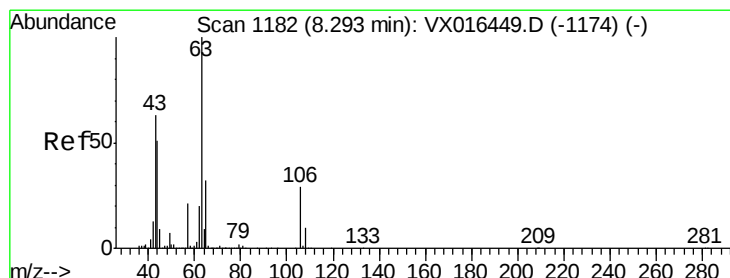
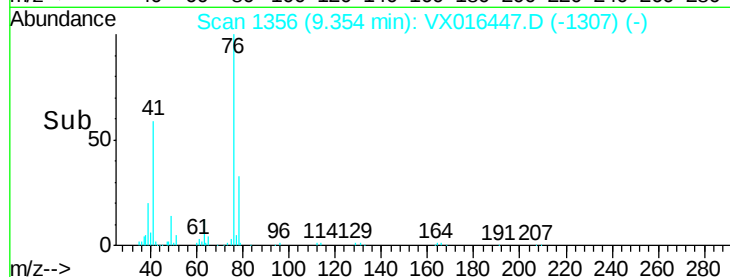
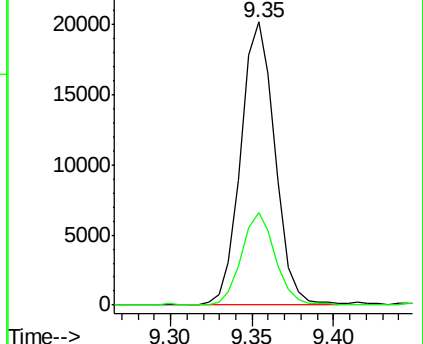
MMDadoda

5/28/2020 2:10:20 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 22.948 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX016447.D

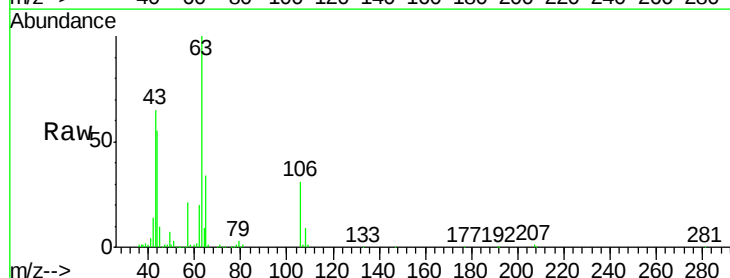
Acq: 27 May 2020 14:42

Tgt Ion: 63 Resp: 67032

Ion Ratio Lower Upper

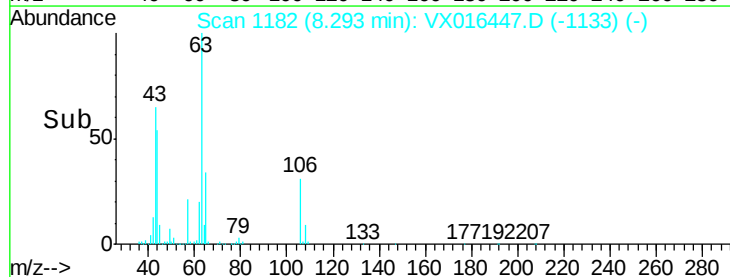
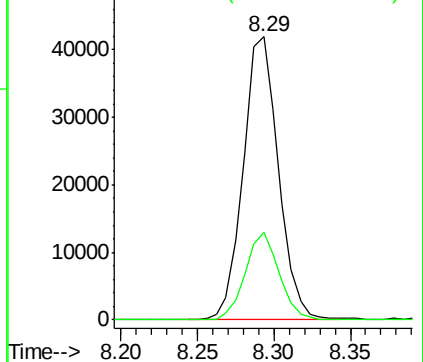
63 100

106 29.7 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





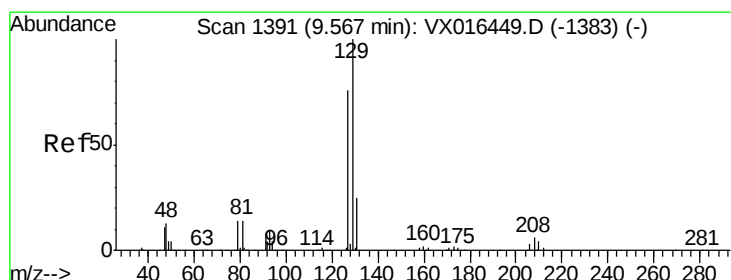
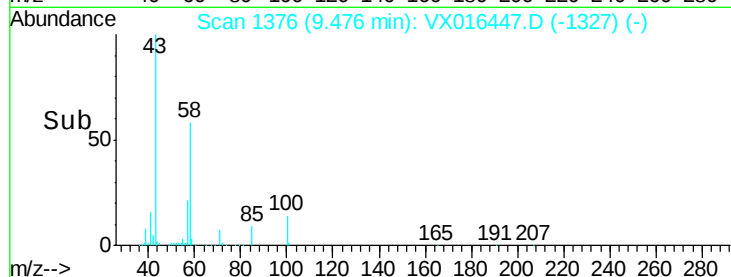
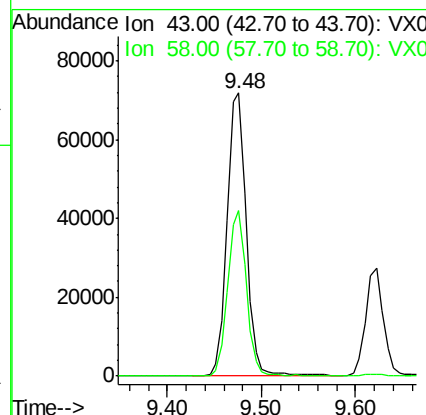
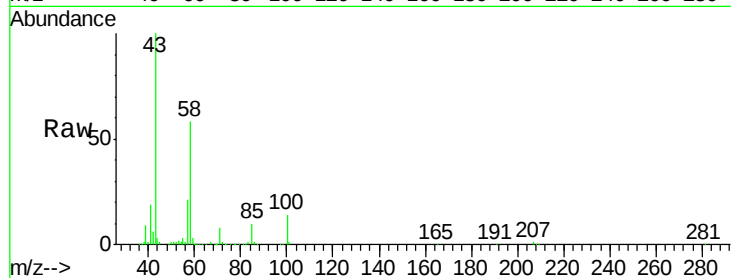
#59
2-Hexanone
Concen: 24.179 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.5	28.8	86.4

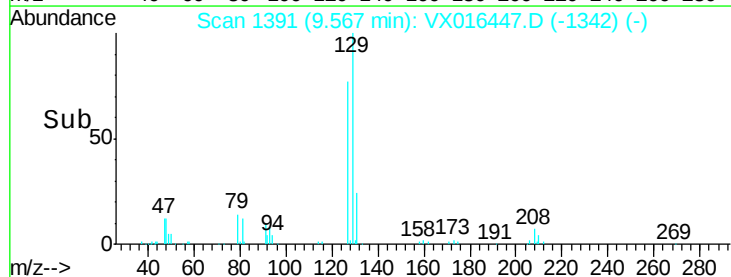
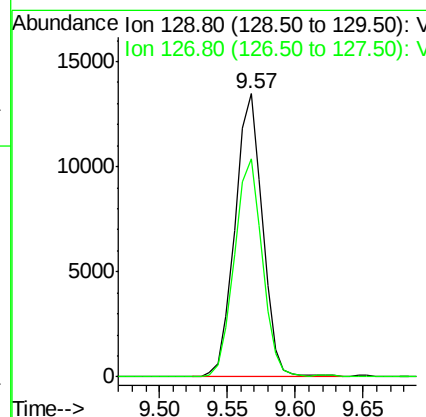
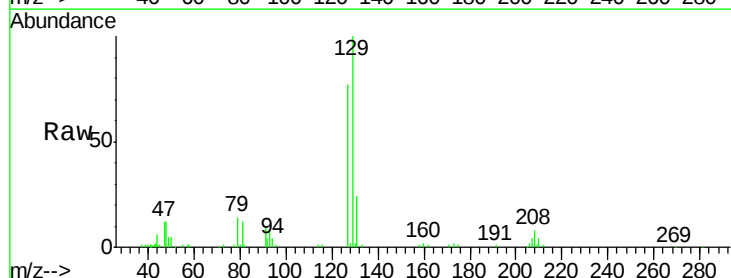
Manual Integrations
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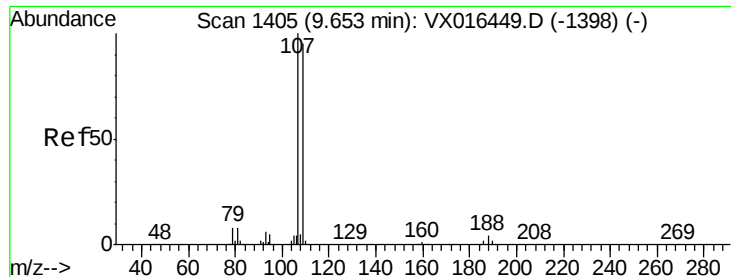
MMDadoda
5/28/2020 2:10:20 PM



#60
Dibromochloromethane
Concen: 5.094 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.6	116.0





#61

1,2-Dibromoethane

Concen: 5.077 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 18492

Ion Ratio Lower Upper

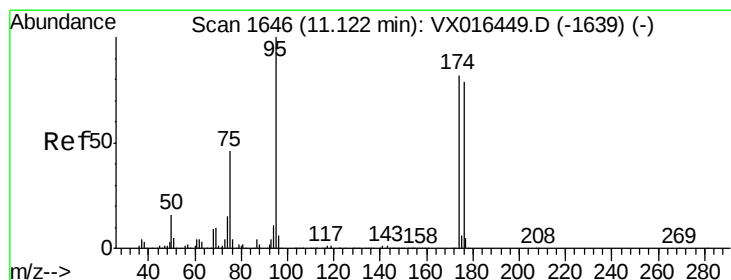
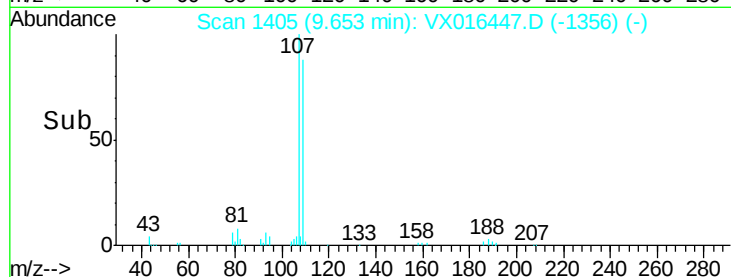
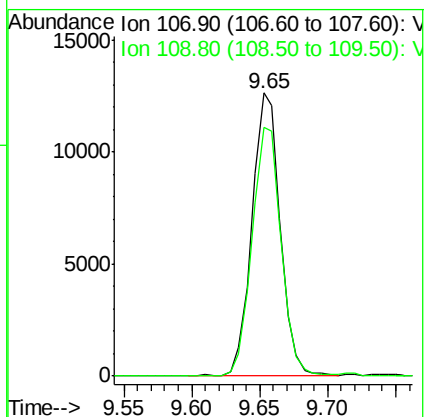
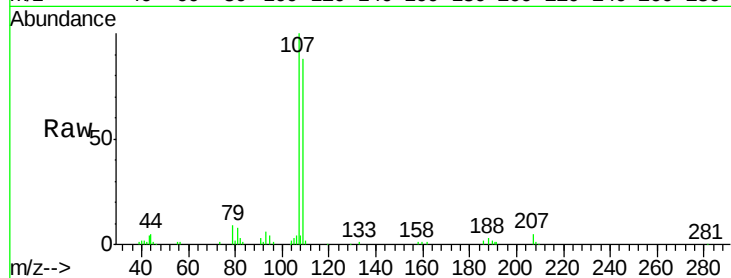
107 100

109 90.6 75.5 113.3

Manual Integrations
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MMDadoda

5/28/2020 2:10:20 PM



#62

4-Bromofluorobenzene

Concen: 4.964 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

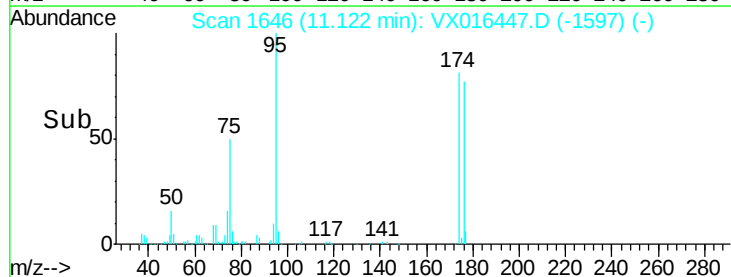
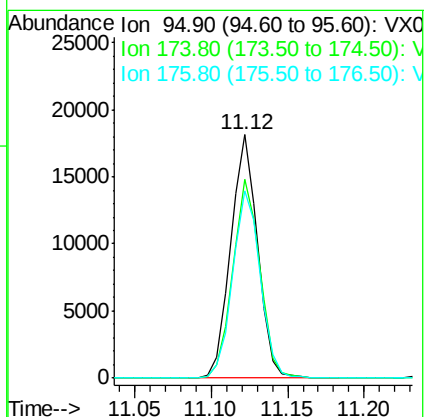
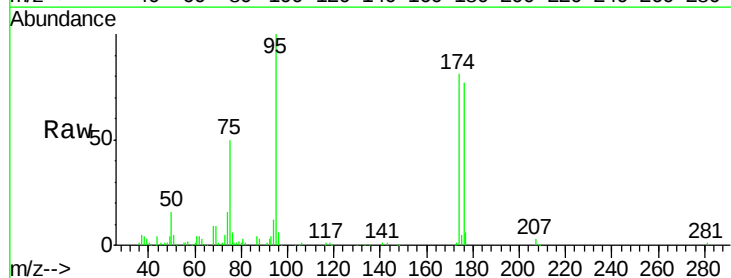
Tgt Ion: 95 Resp: 22043

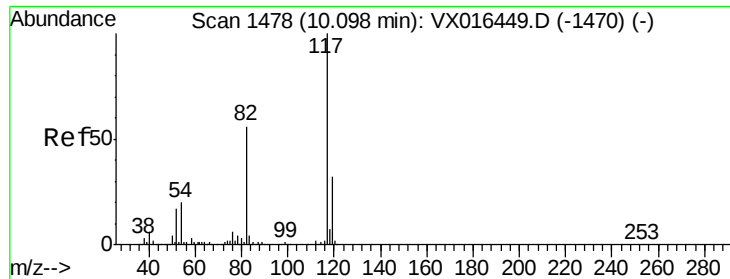
Ion Ratio Lower Upper

95 100

174 82.5 0.0 163.0

176 79.2 0.0 156.8





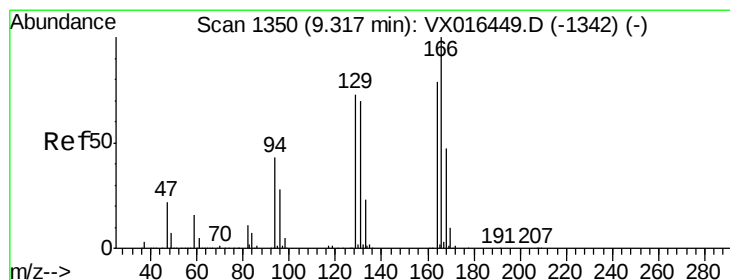
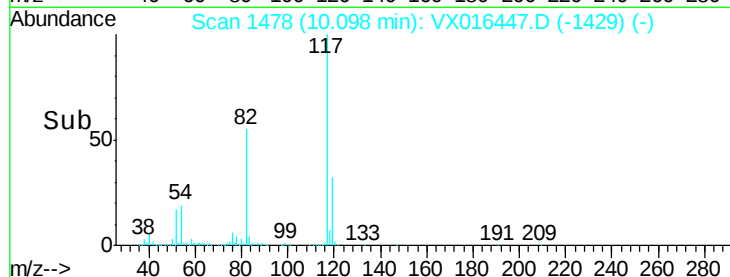
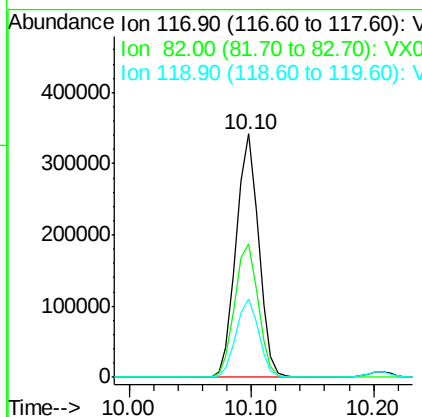
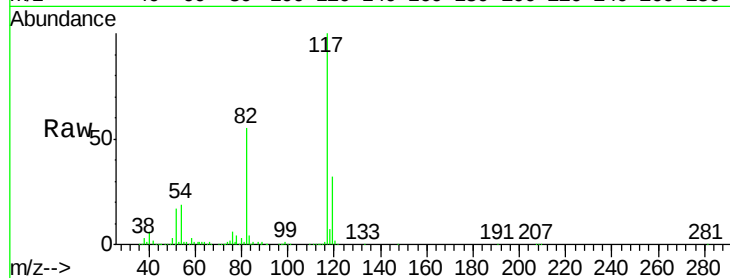
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	436212		
82	54.8	45.0	67.6	
119	32.2	25.8	38.8	

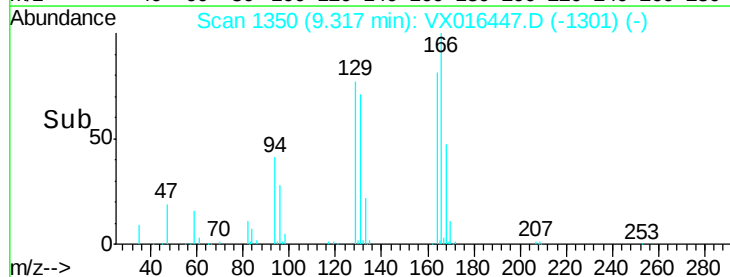
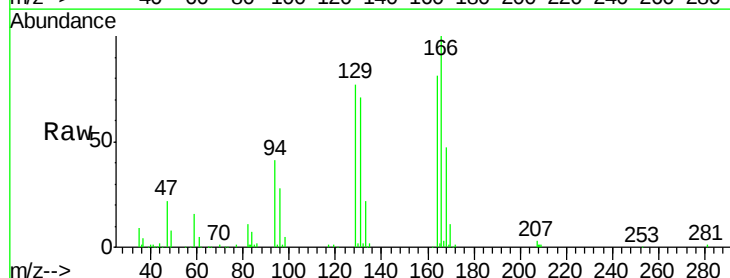
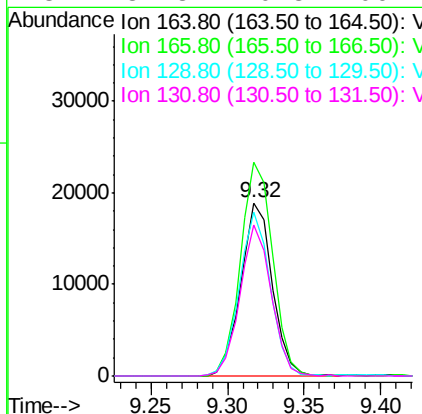
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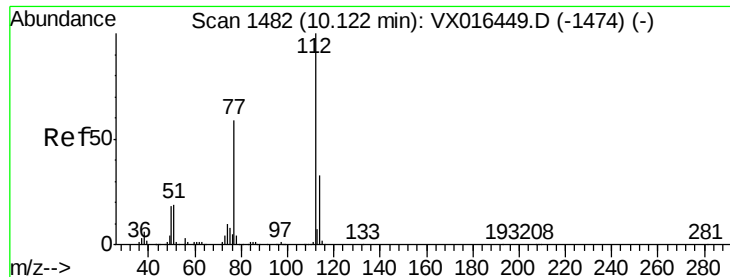
MMDadoda
5/28/2020 2:10:20 PM



#64
Tetrachloroethene
Concen: 5.118 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	27132		
166	123.1	100.9	151.3	
129	94.6	73.2	109.8	
131	87.3	70.8	106.2	





#65

Chlorobenzene

Concen: 5.010 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 45861

Ion Ratio Lower Upper

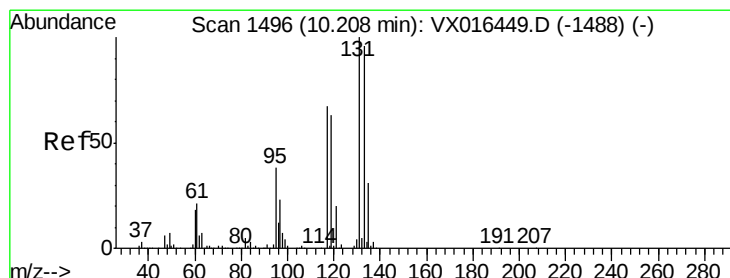
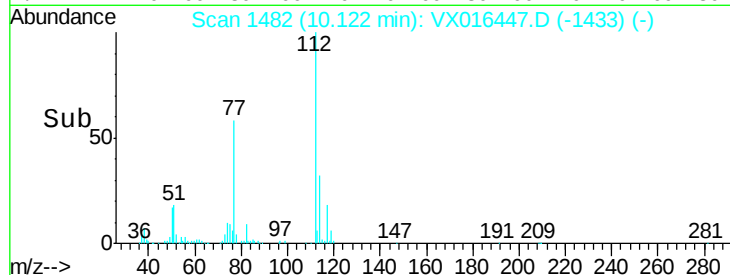
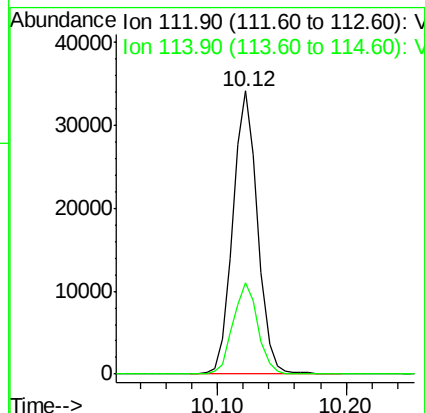
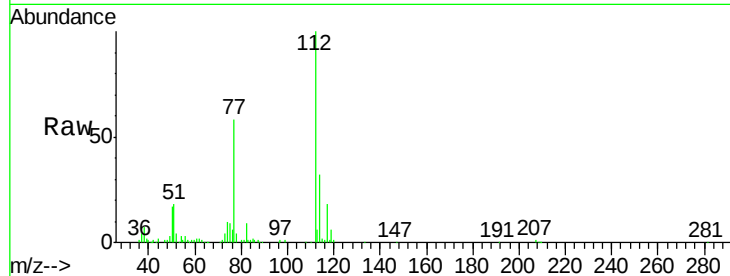
112 100

114 32.3 26.0 39.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 5.117 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

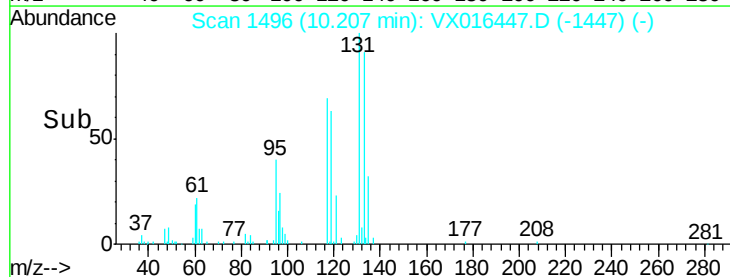
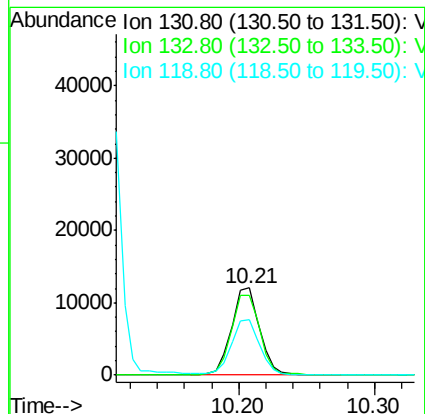
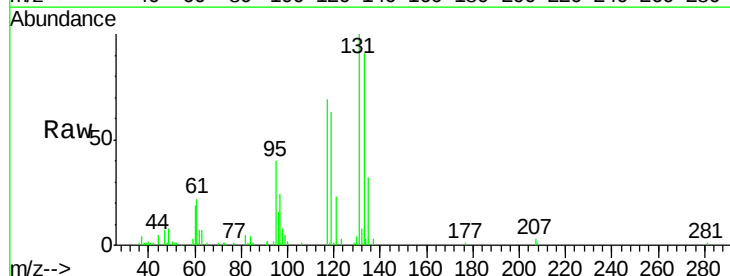
Tgt Ion:131 Resp: 17343

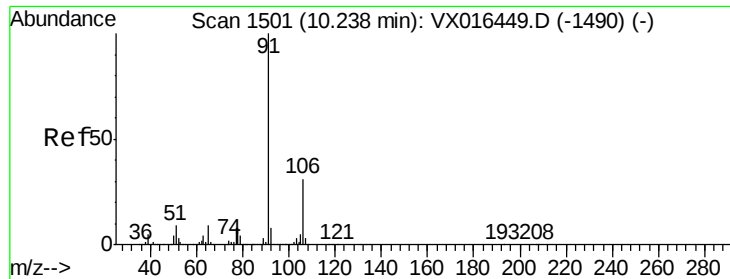
Ion Ratio Lower Upper

131 100

133 93.6 48.4 145.3

119 65.7 32.0 96.2





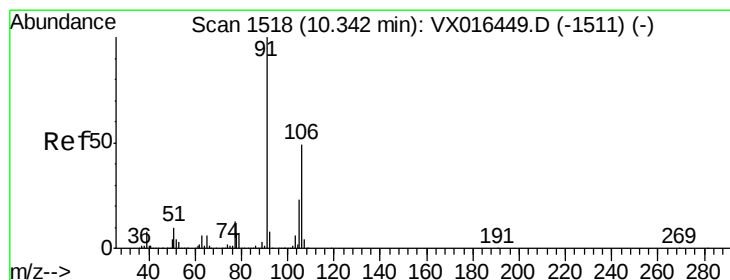
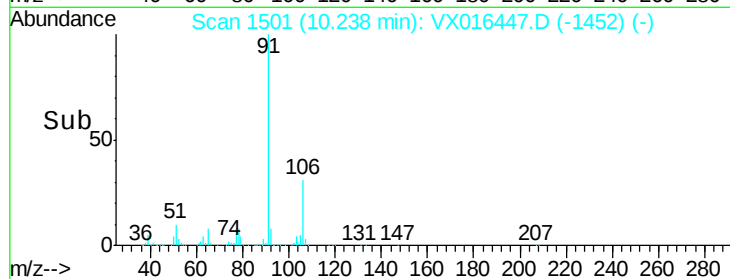
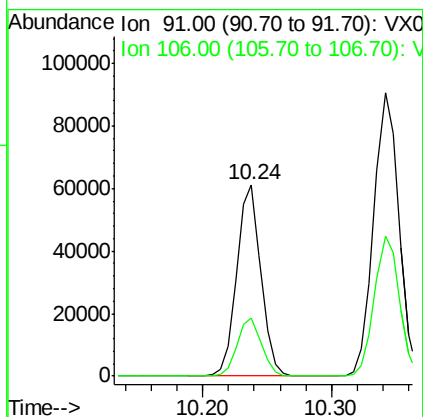
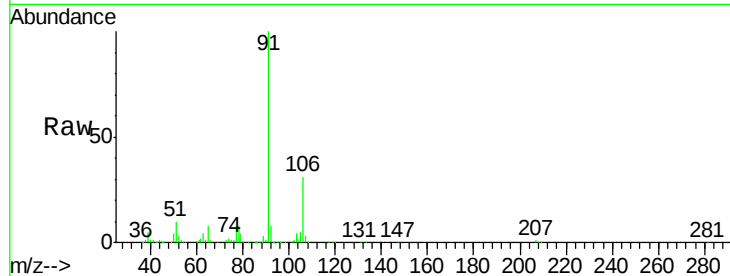
#67
Ethyl Benzene
Concen: 4.896 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 79923
Ion Ratio Lower Upper
91 100
106 30.5 25.0 37.4

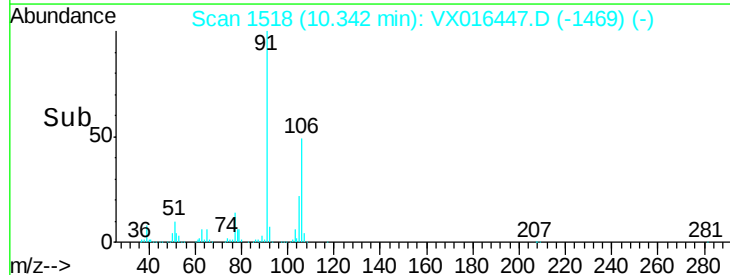
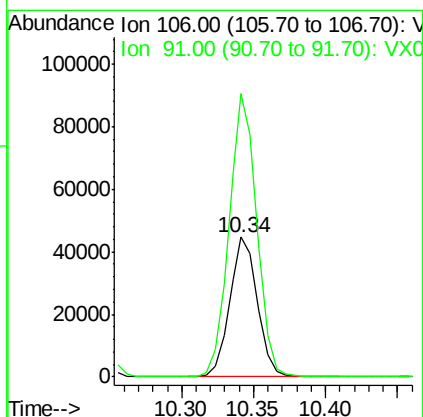
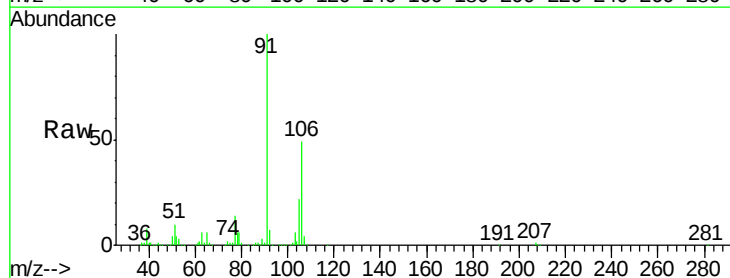
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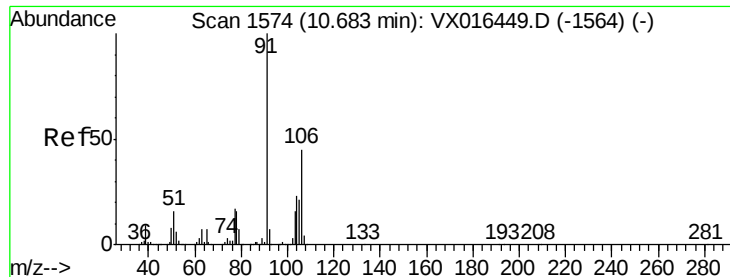
MMDadoda
5/28/2020 2:10:20 PM



#68
m/p-Xylenes
Concen: 9.804 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Tgt Ion: 106 Resp: 59830
Ion Ratio Lower Upper
106 100
91 203.7 163.8 245.8





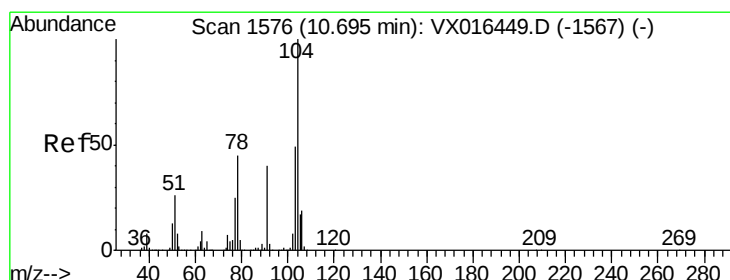
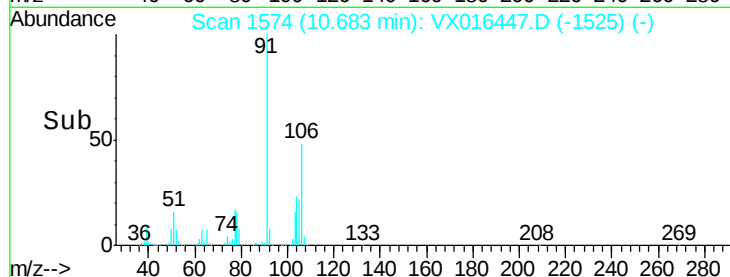
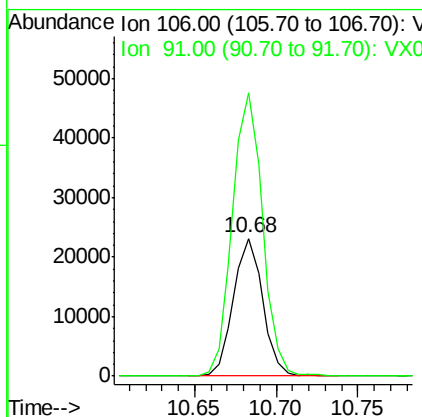
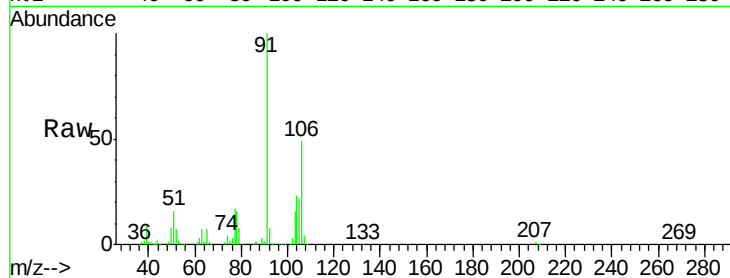
#69
o-Xylene
Concen: 4.945 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.3	109.6	328.8

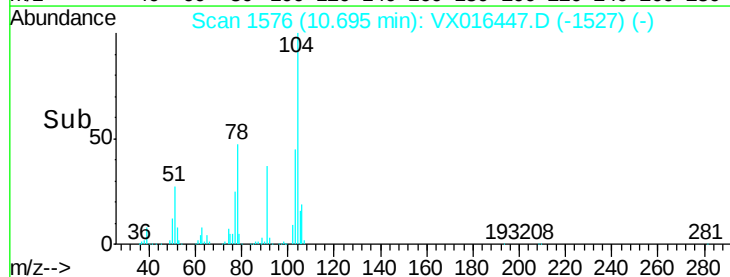
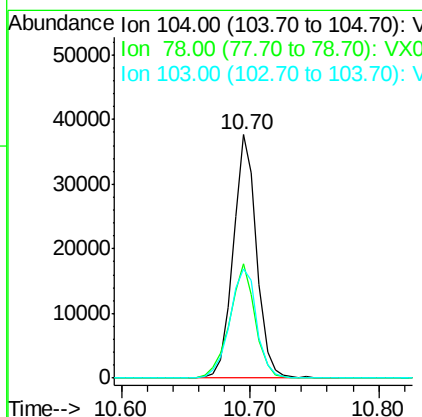
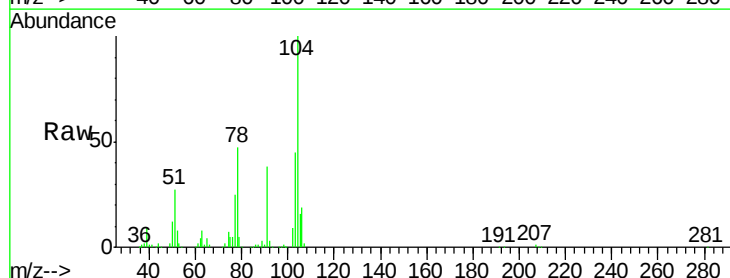
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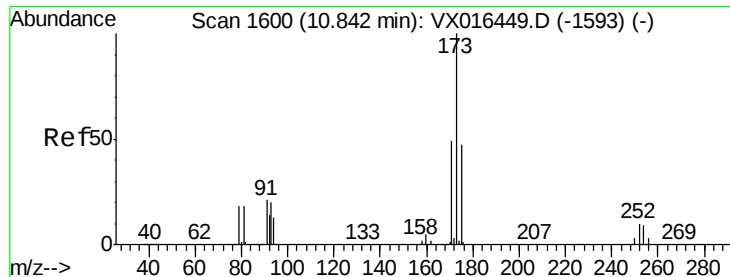
MMDadoda
5/28/2020 2:10:20 PM



#70
Styrene
Concen: 4.775 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.9	40.2	60.2
103	52.4	43.1	64.7





#71

Bromoform

Concen: 5.019 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 13969

Ion Ratio Lower Upper

173 100

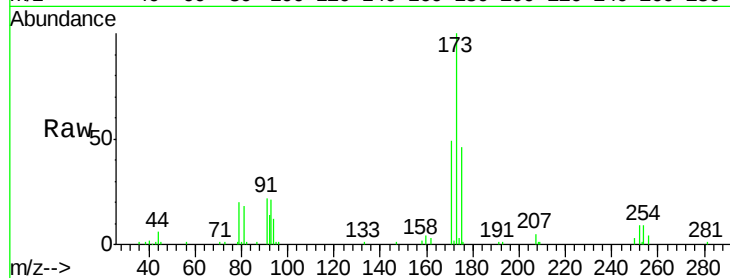
175 48.9 23.9 71.7

254 0.0 0.1 0.1#

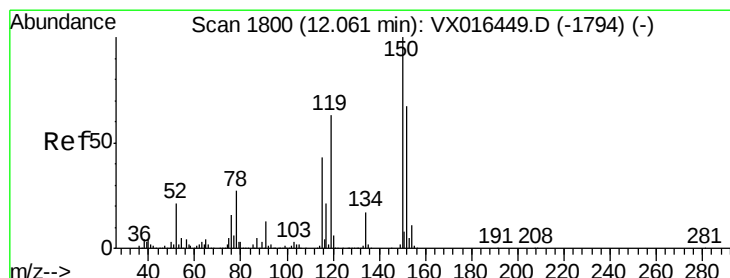
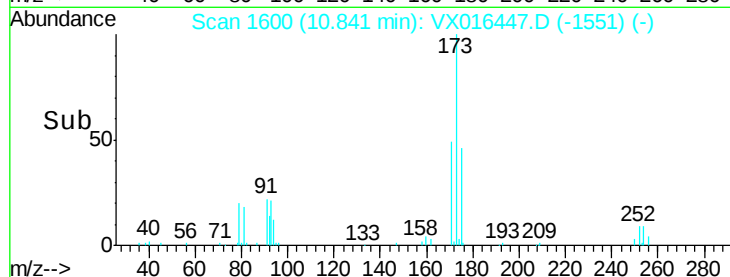
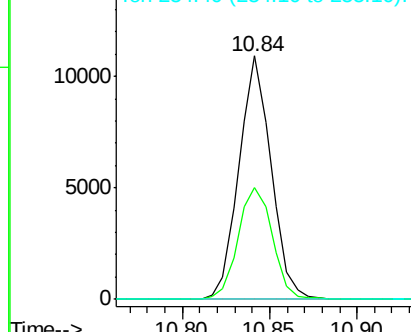
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

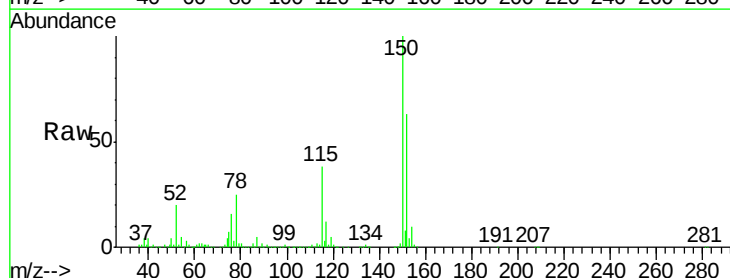
Tgt Ion:152 Resp: 211444

Ion Ratio Lower Upper

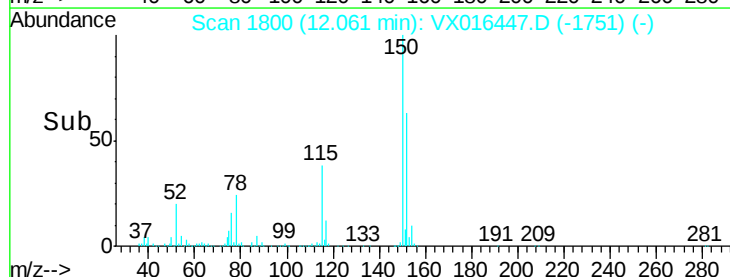
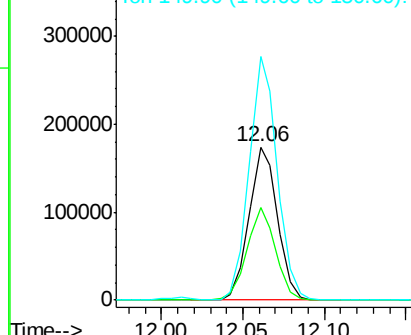
152 100

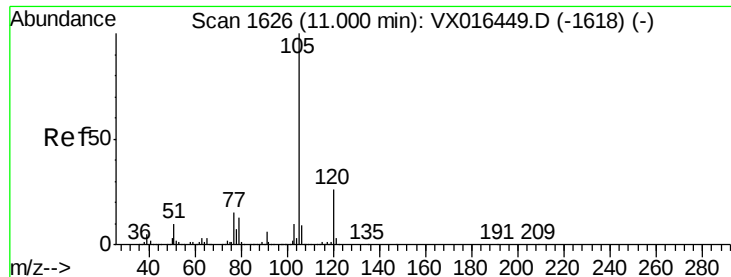
115 60.7 39.9 119.6

150 157.4 0.0 341.0



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: 4.926 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 75529

Ion Ratio Lower Upper

105 100

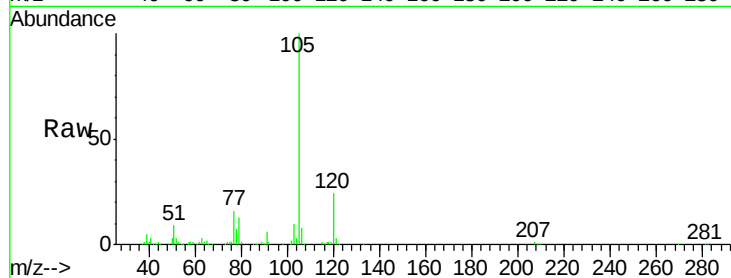
120 25.0 13.1 39.3

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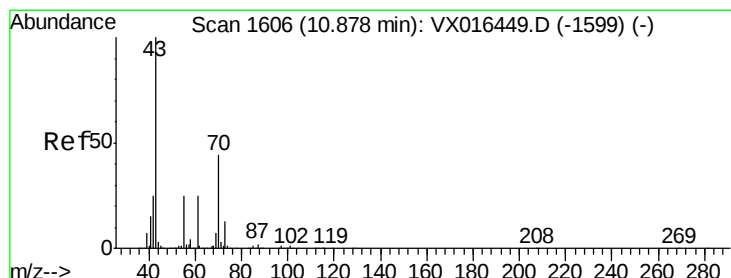
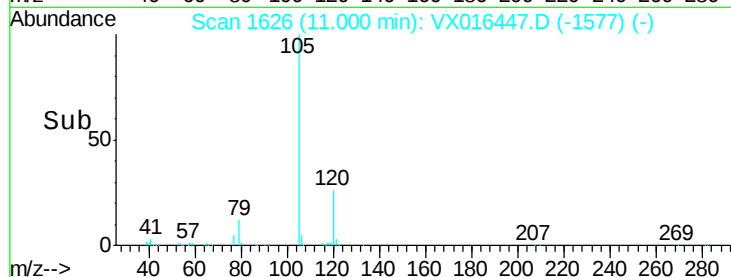
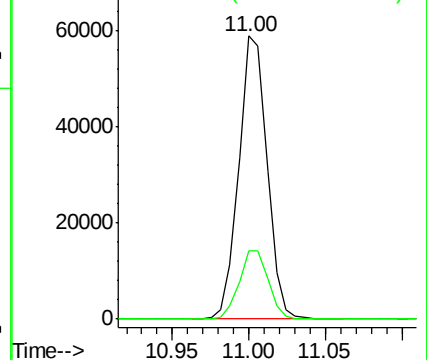
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.533 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

Tgt Ion: 43 Resp: 32418

Ion Ratio Lower Upper

43 100

70 47.3 36.1 54.1

55 25.8 20.2 30.4

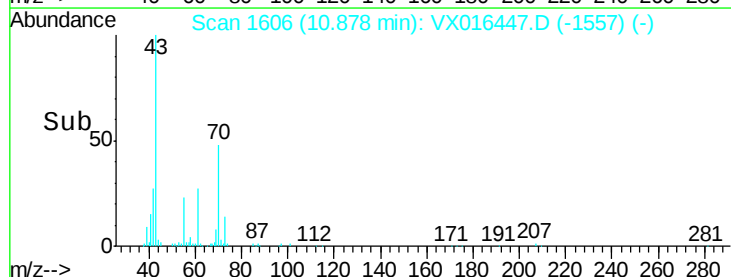
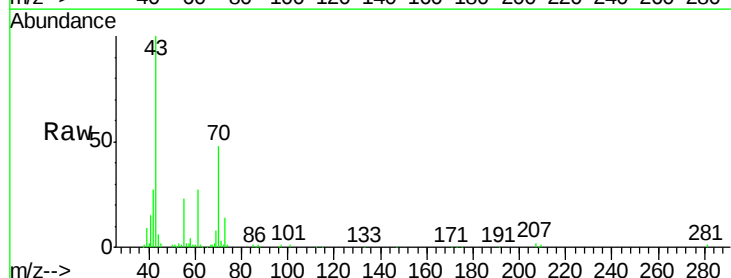
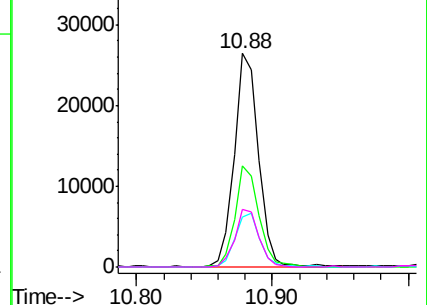
61 26.9 20.3 30.5

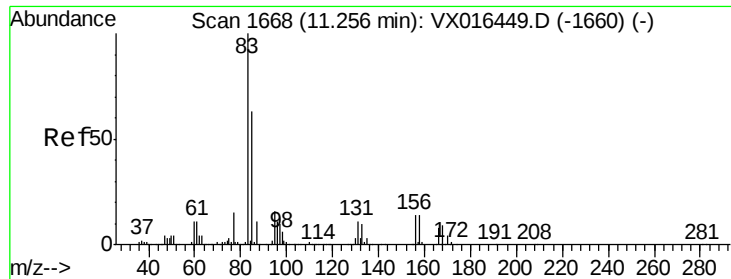
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 5.901 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

Instrument :

MSVOA_X

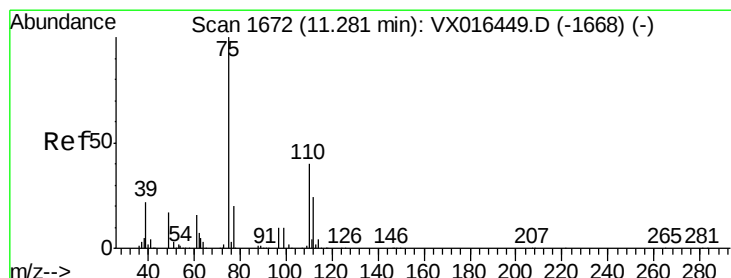
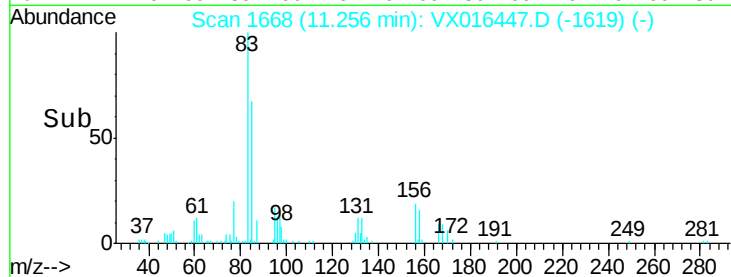
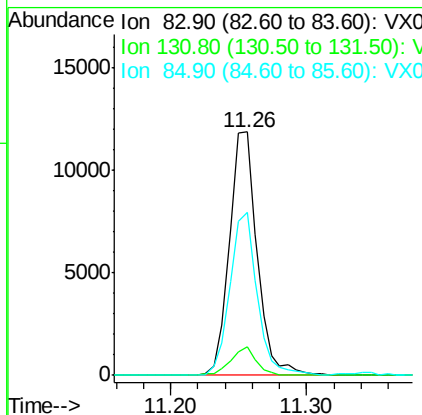
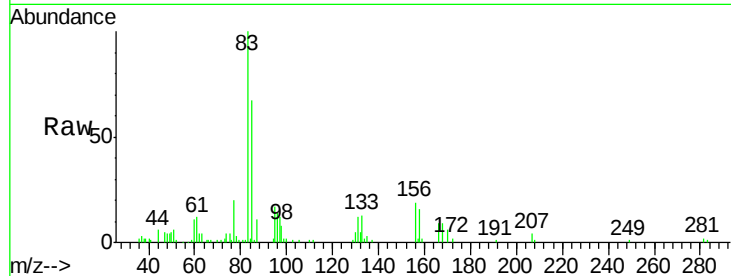
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	16870
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.1	15.3
85	65.7	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.263 ug/l m

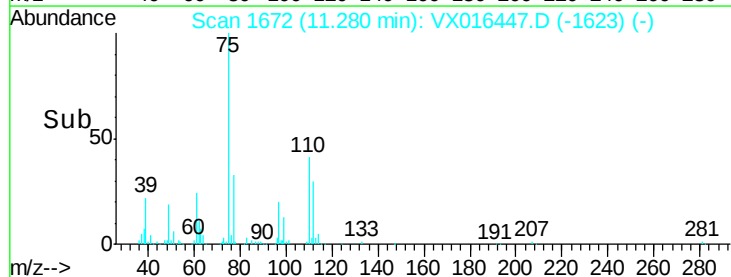
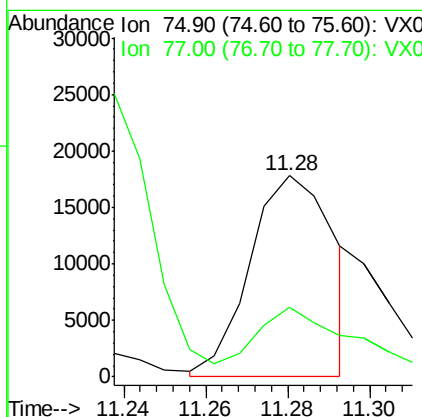
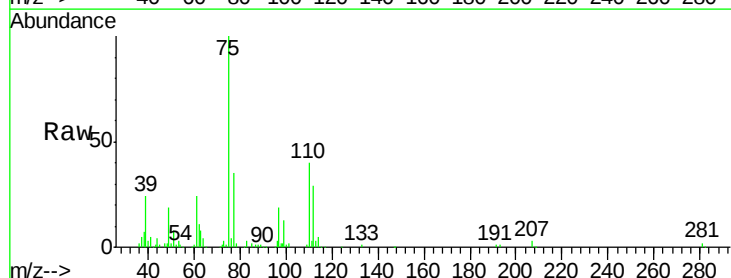
RT: 11.28 min Scan# 1672

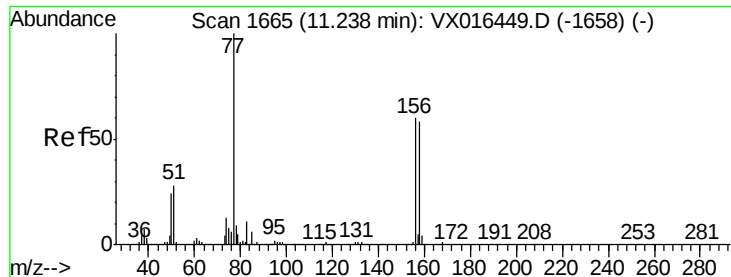
Delta R.T. -0.00 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

Tgt Ion:	75	Resp:	25218
Ion Ratio	Lower	Upper	
75	100		
77	41.7	21.3	63.7





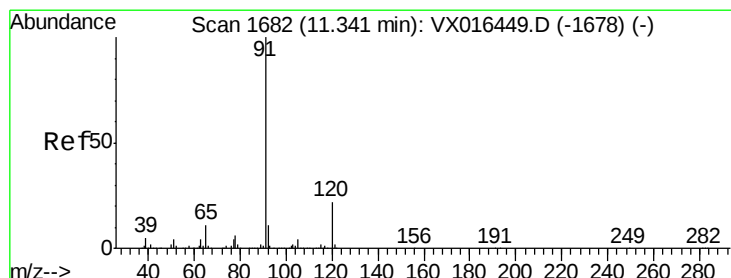
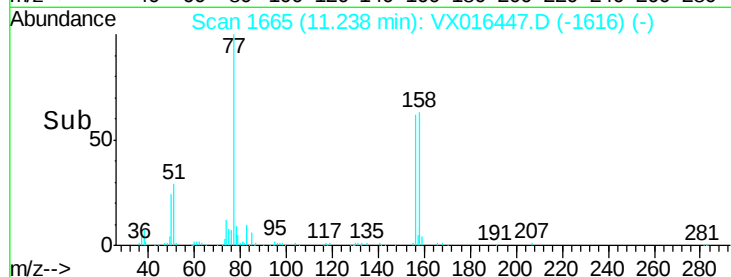
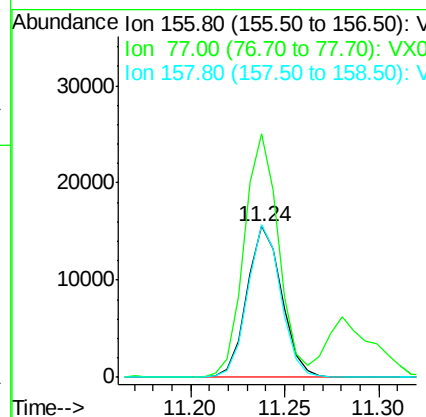
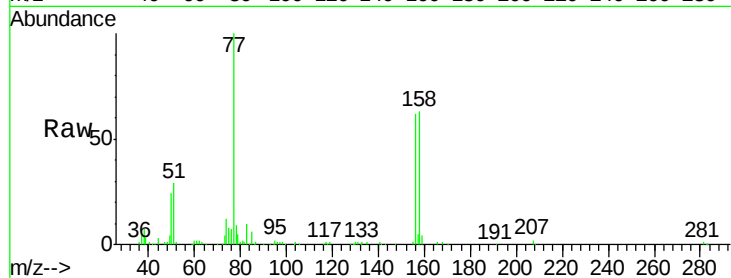
#77
Bromobenzene
Concen: 4.988 ug/l
RT: 11.24 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	160.8	79.6	238.8
158	97.0	48.1	144.4

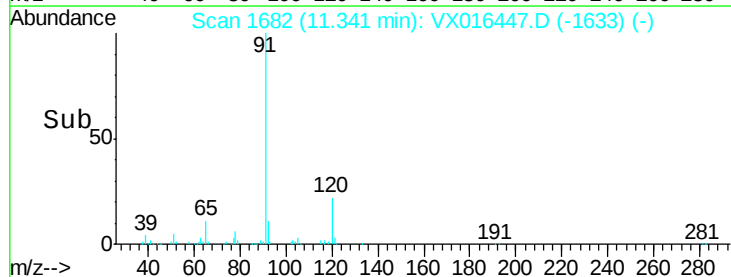
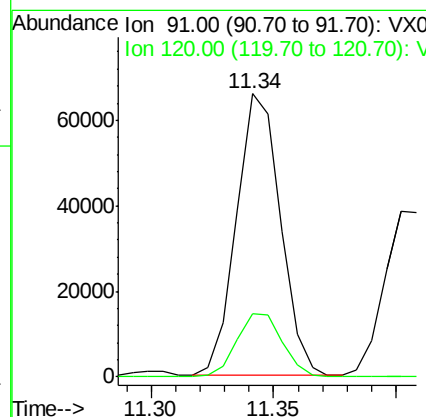
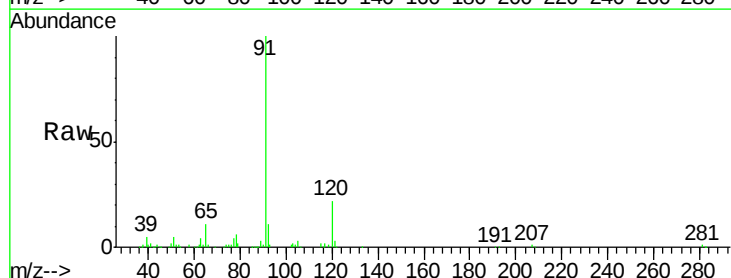
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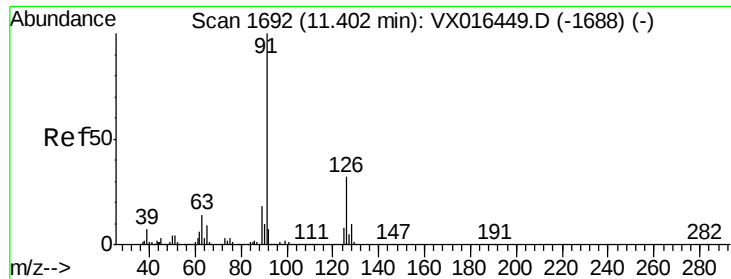
MMDadoda
5/28/2020 2:10:20 PM



#78
n-propylbenzene
Concen: 4.612 ug/l
RT: 11.34 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.6	34.7





#79

2-Chlorotoluene

Concen: 4.849 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 51188

Ion Ratio Lower Upper

91 100

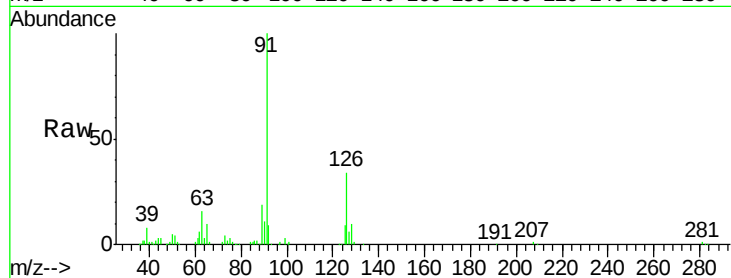
126 33.2 16.8 50.3

Manual Integrations

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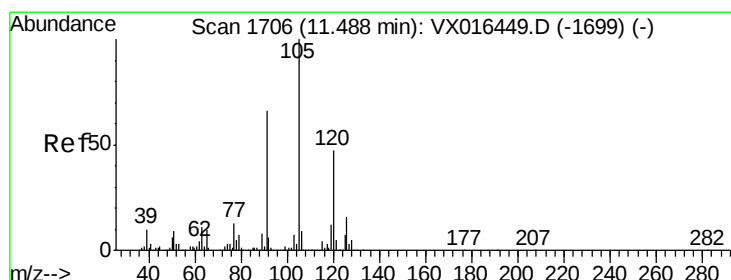
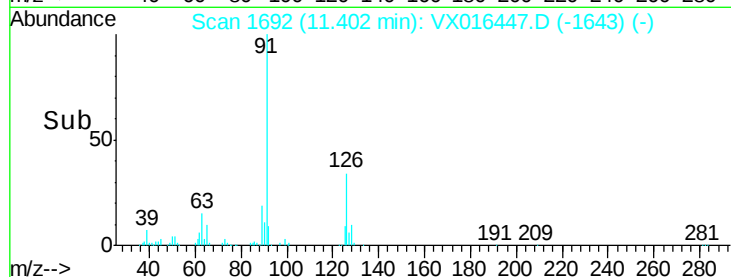
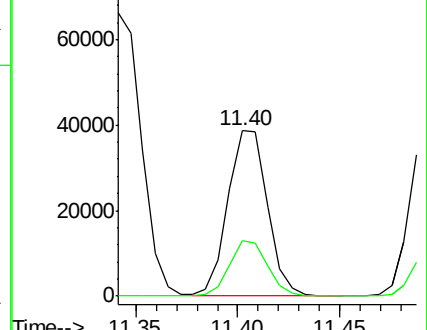
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 4.776 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX016447.D

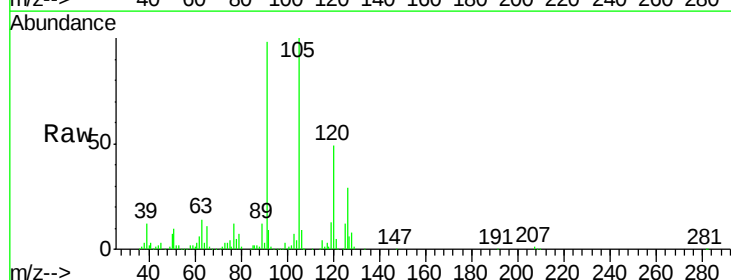
Acq: 27 May 2020 14:42

Tgt Ion: 105 Resp: 61914

Ion Ratio Lower Upper

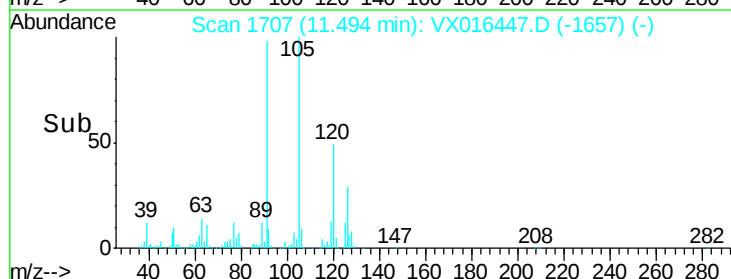
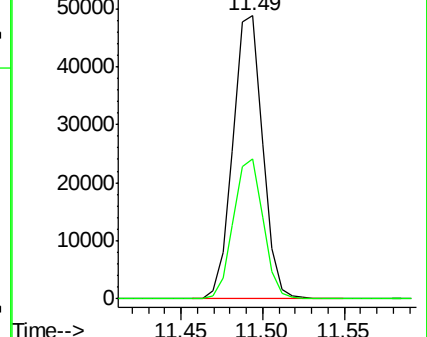
105 100

120 49.5 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





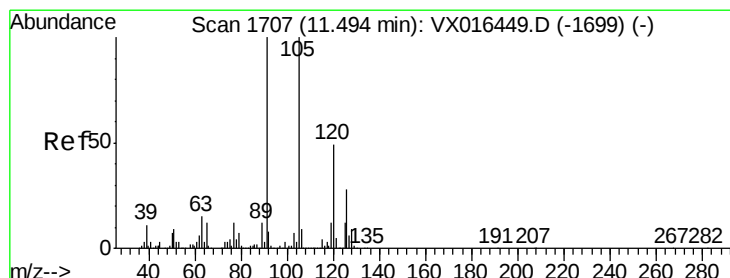
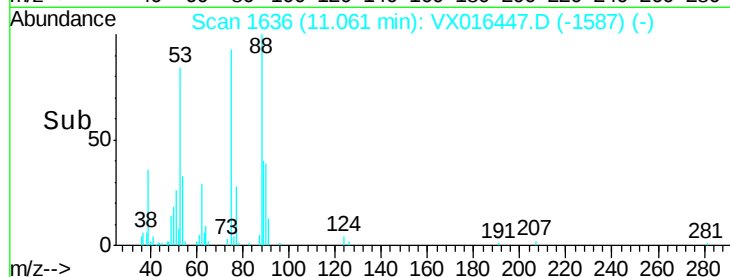
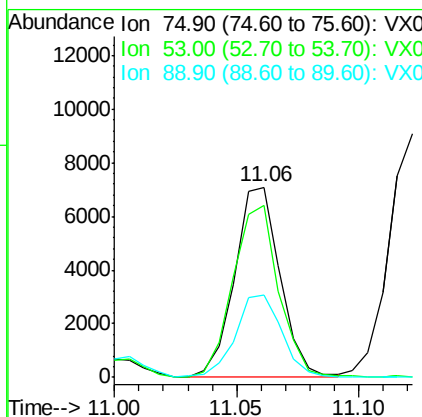
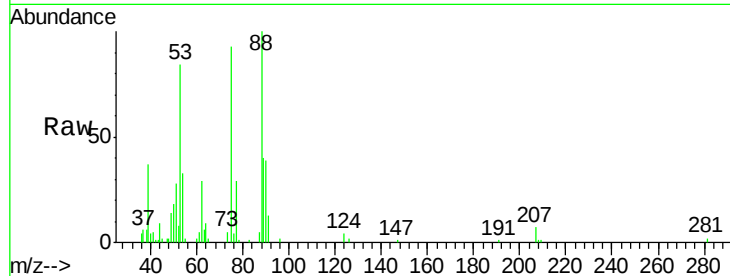
#81
trans-1,4-Dichloro-2-butene
Concen: 4.638 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.7	71.3	106.9
89	44.2	36.6	55.0

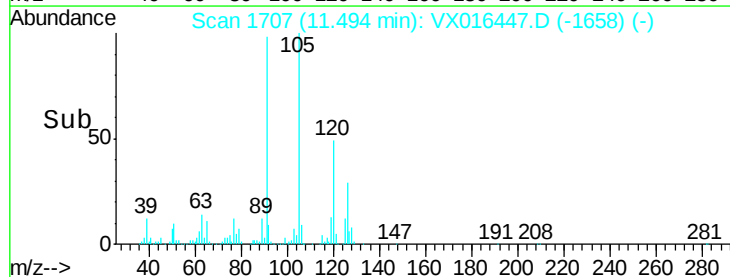
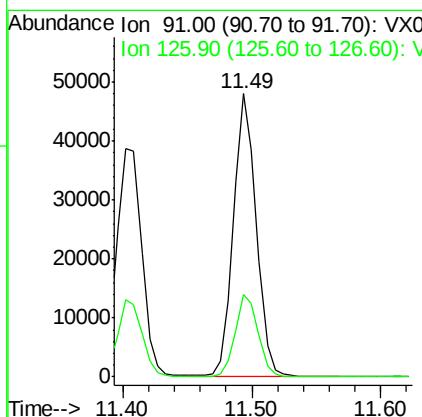
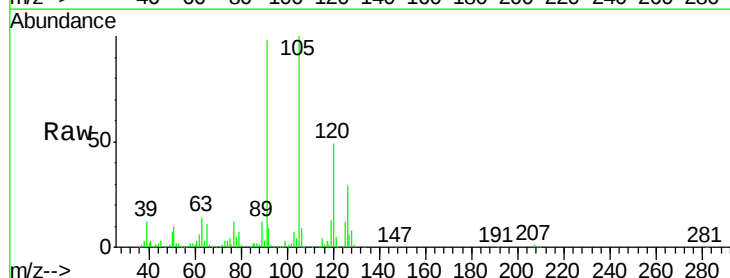
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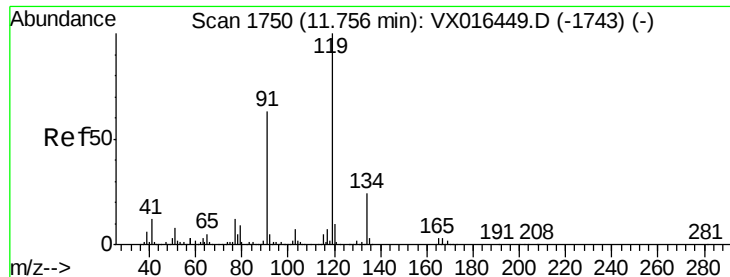
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#82
4-Chlorotoluene
Concen: 4.791 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.9	14.7	44.1





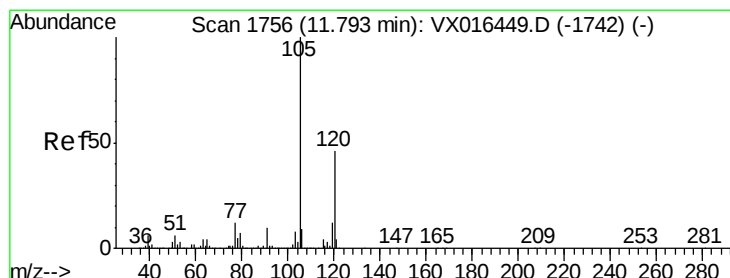
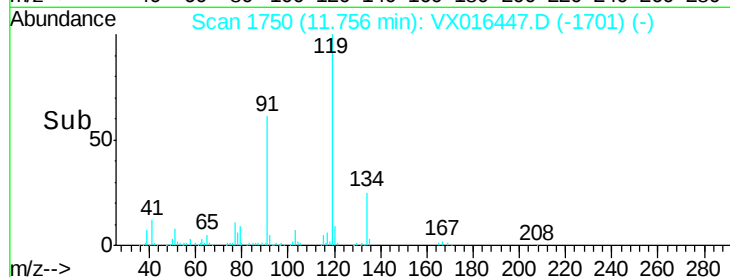
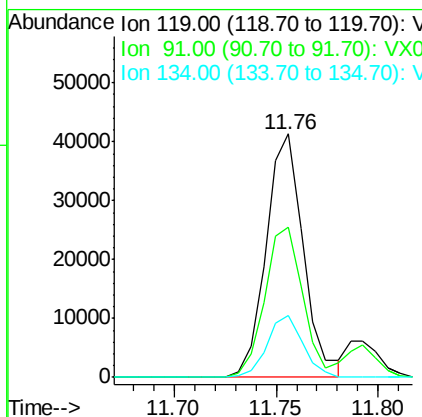
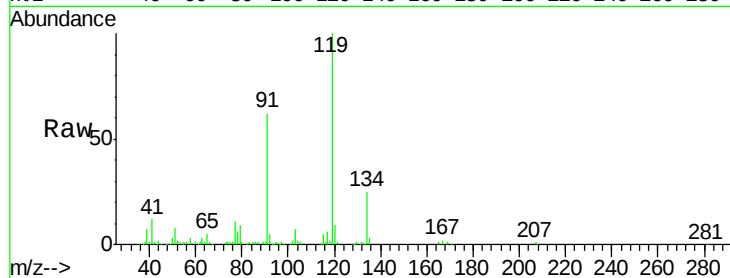
#83
tert-Butylbenzene
Concen: 4.713 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.6	31.3	93.8
134	24.6	12.0	36.0

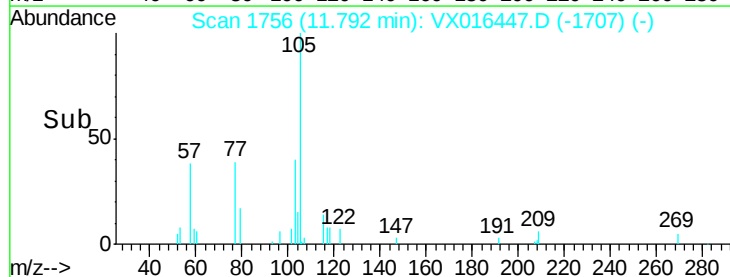
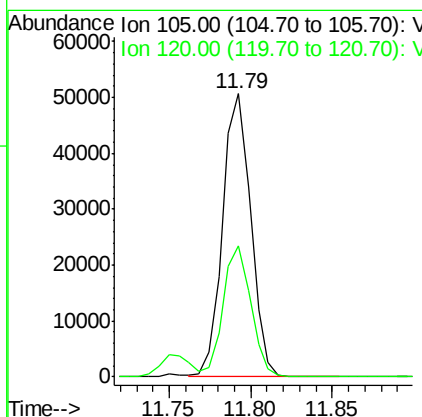
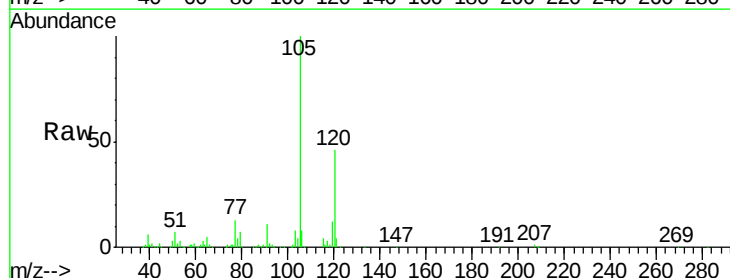
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#84
1,2,4-Trimethylbenzene
Concen: 4.662 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.6	67.7





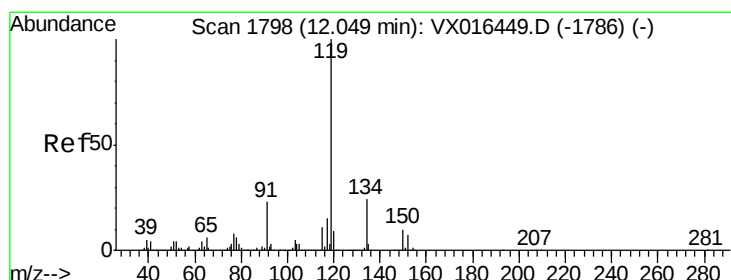
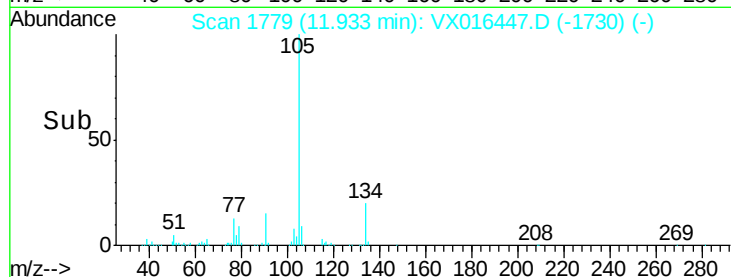
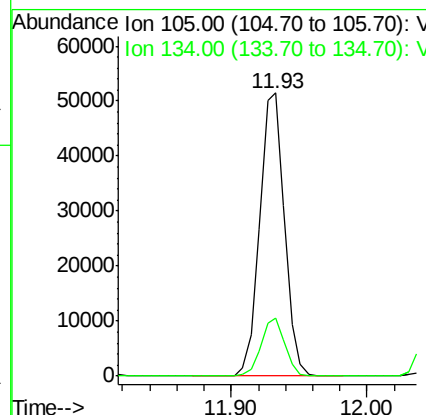
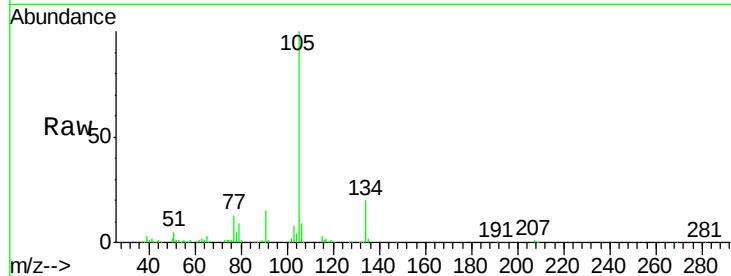
#85
 sec-Butylbenzene
 Concen: 4.446 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX016447.D
 Acq: 27 May 2020 14:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	10.1	30.3

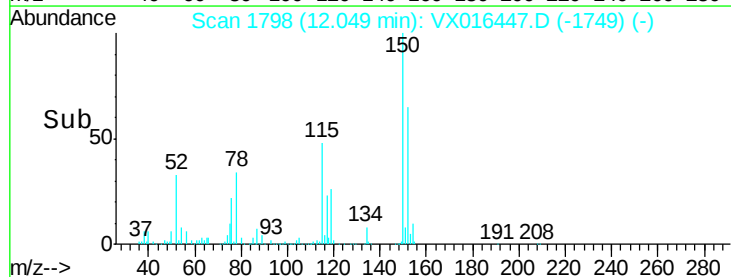
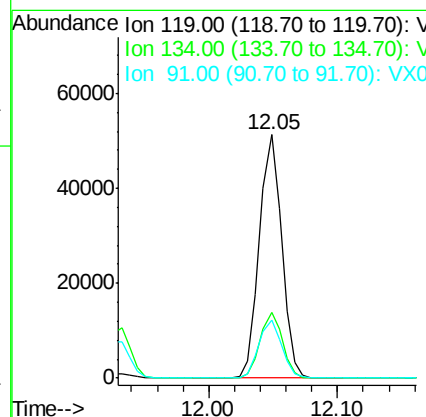
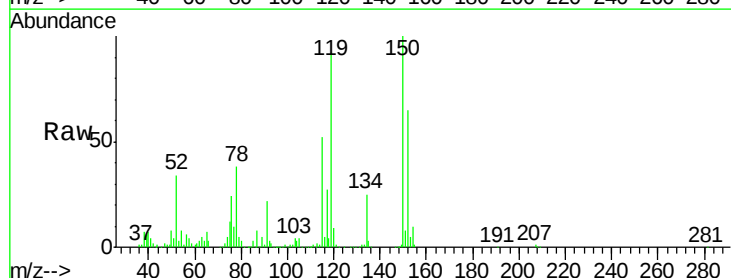
Manual Integrations
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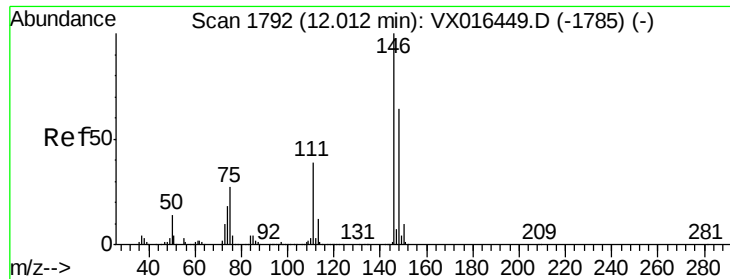
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#86
 p-Isopropyltoluene
 Concen: 4.419 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX016447.D
 Acq: 27 May 2020 14:42

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	12.7	38.0
91	24.5	11.7	35.0





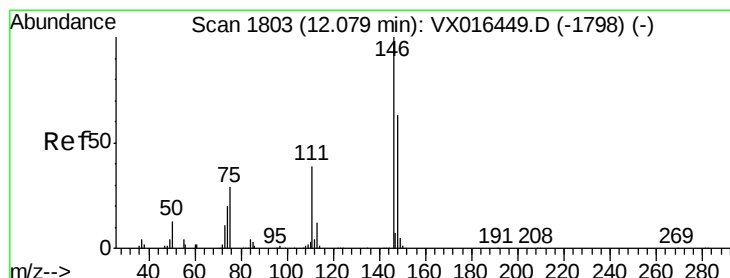
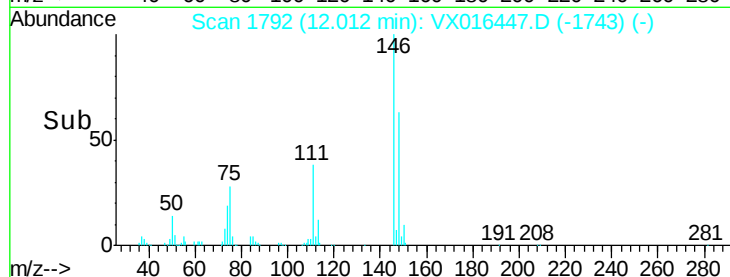
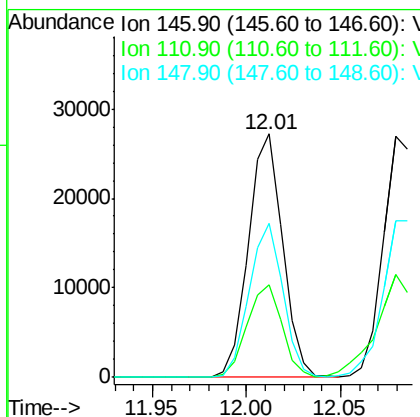
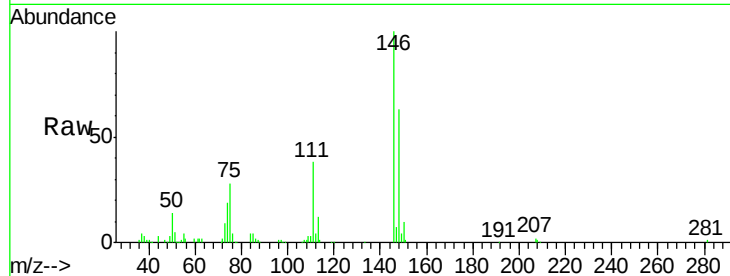
#87
 1,3-Dichlorobenzene
 Concen: 4.814 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016447.D
 Acq: 27 May 2020 14:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.0	60.0
148	62.4	31.9	95.5

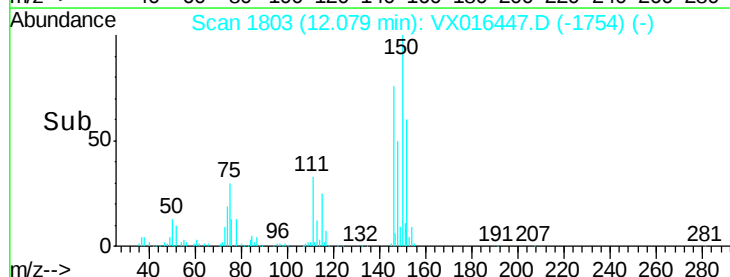
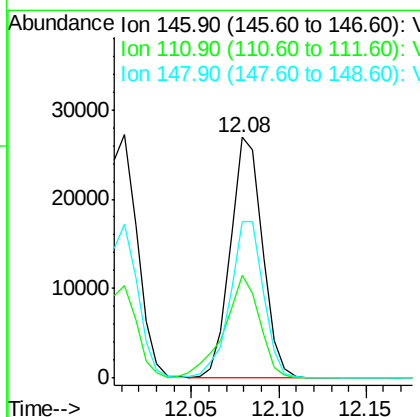
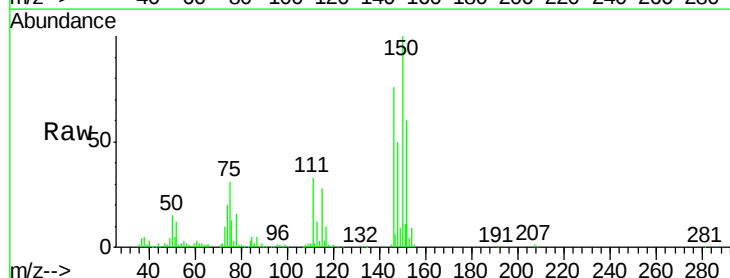
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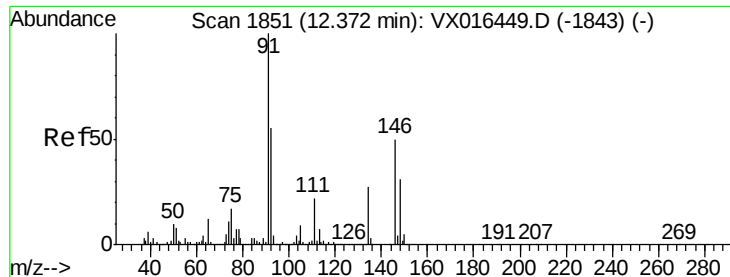
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#88
 1,4-Dichlorobenzene
 Concen: 4.766 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX016447.D
 Acq: 27 May 2020 14:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.4	19.4	58.2
148	67.8	31.4	94.3





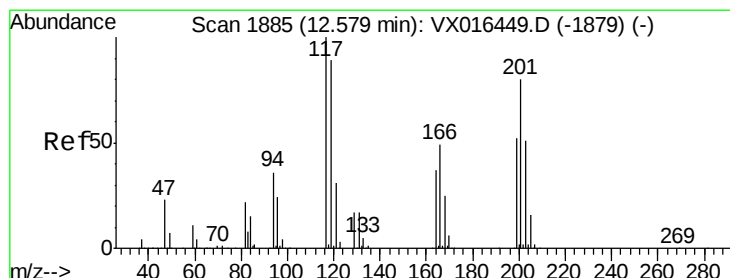
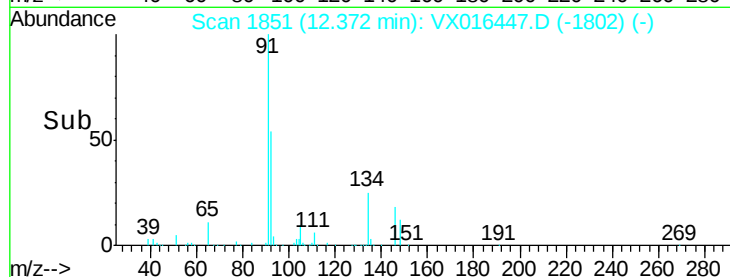
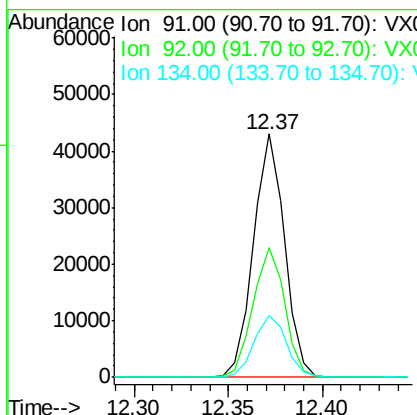
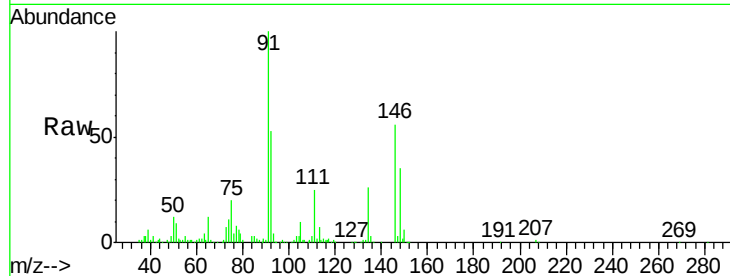
#89
n-Butylbenzene
Concen: 3.933 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	91	Resp:	49282
Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.2	81.5
134	26.7	13.1	39.3

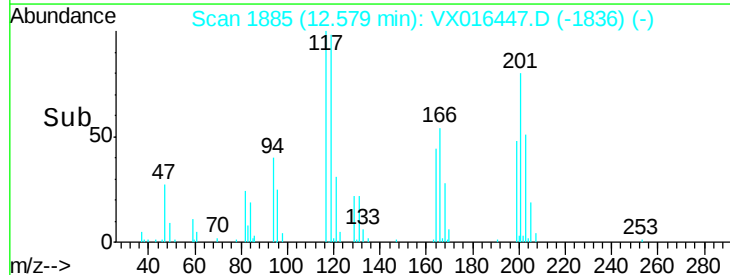
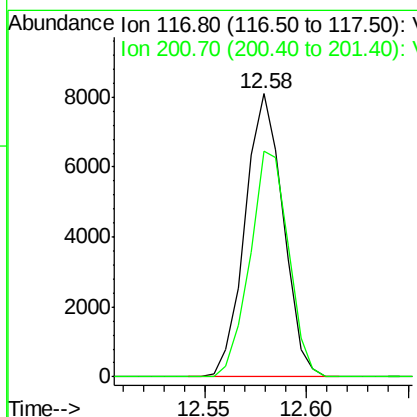
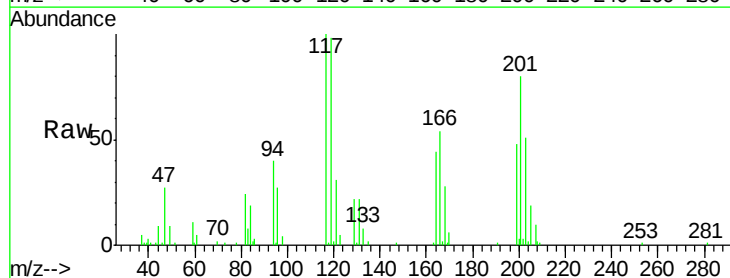
Manual Integrations
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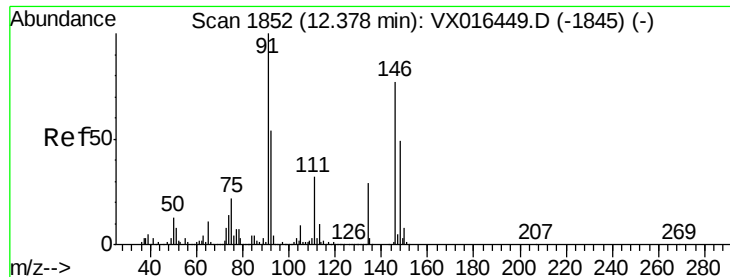
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#90
Hexachloroethane
Concen: 4.432 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016447.D
Acq: 27 May 2020 14:42

Tgt Ion:	117	Resp:	10499
Ion	Ratio	Lower	Upper
117	100		
201	80.8	43.1	129.3





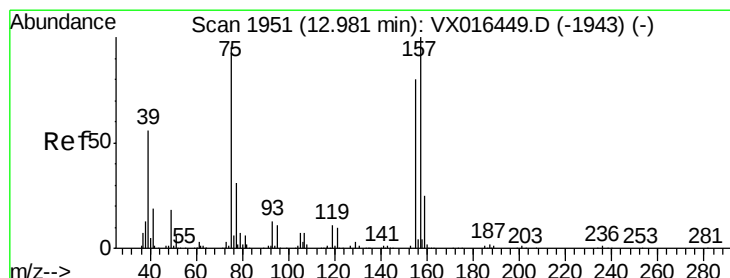
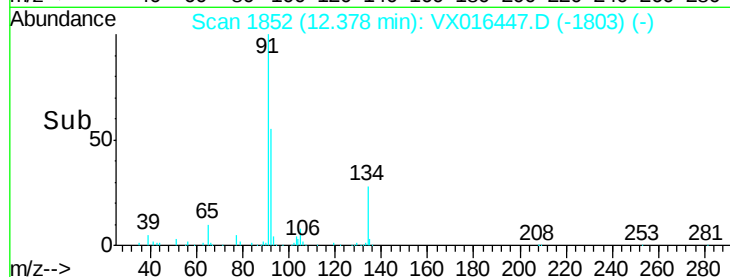
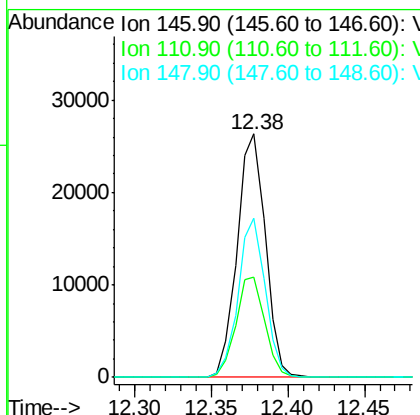
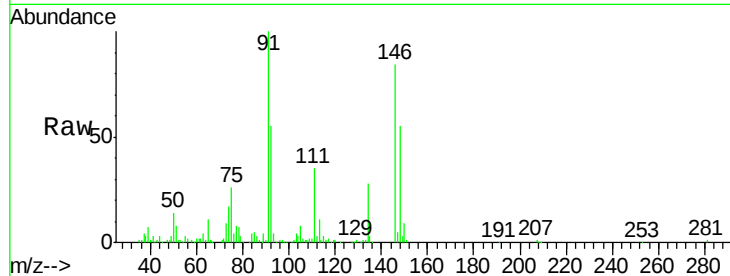
#91
 1,2-Dichlorobenzene
 Concen: 4.929 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX016447.D
 Acq: 27 May 2020 14:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.4	64.3
148	62.3	31.9	95.7

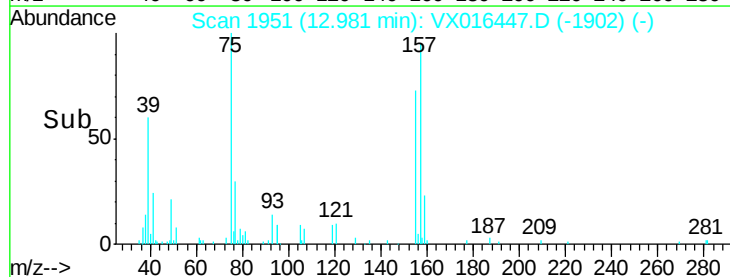
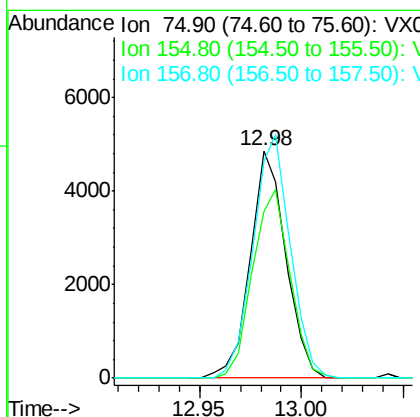
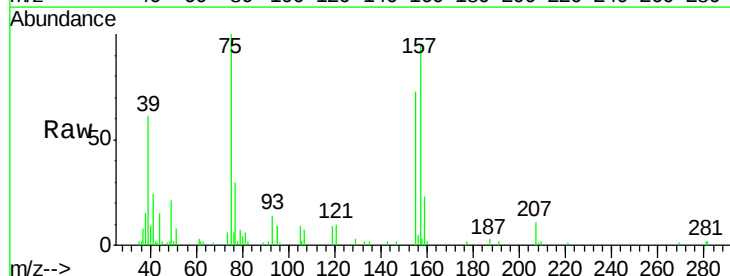
Manual Integrations
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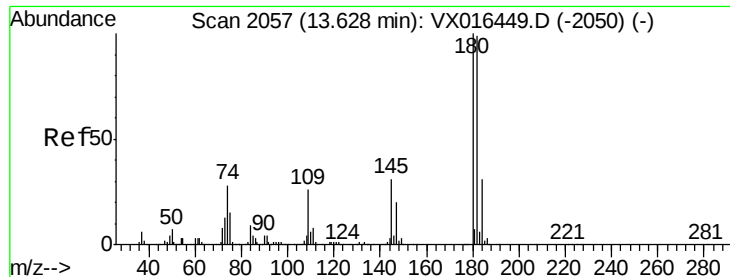
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.688 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX016447.D
 Acq: 27 May 2020 14:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.5	44.1	132.4
157	112.1	57.8	173.3





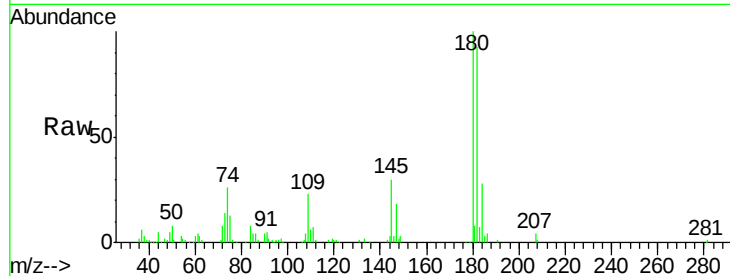
#93
 1,2,4-Trichlorobenzene
 Concen: 4.161 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016447.D
 Acq: 27 May 2020 14:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

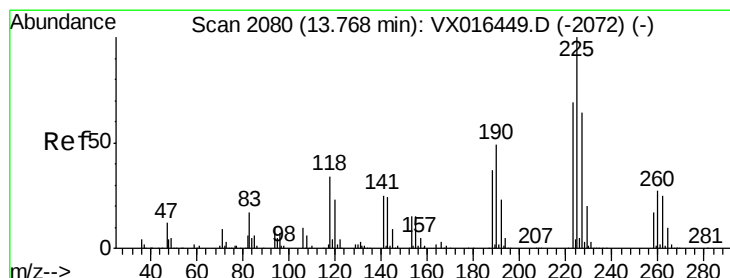
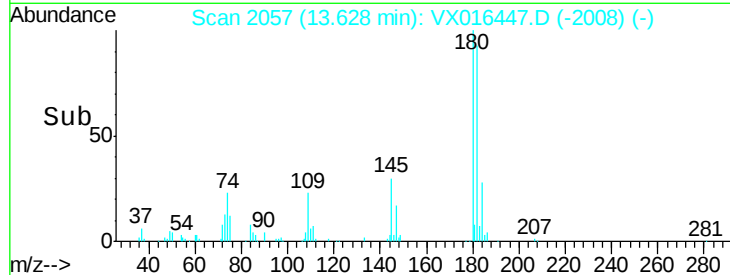
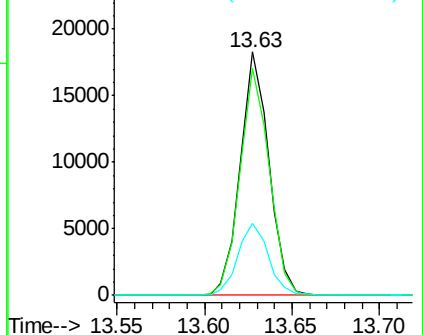
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.3	144.8
145	31.3	15.4	46.2

Manual Integrations
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MMDadoda
 5/28/2020 2:10:20 PM

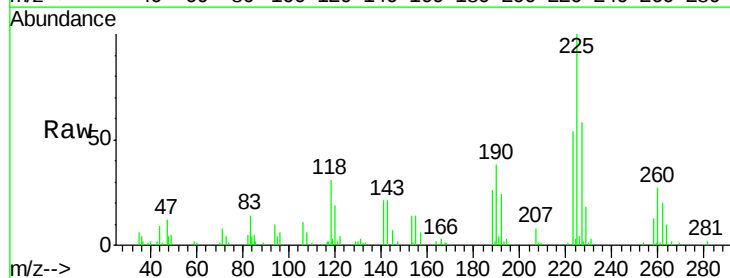


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

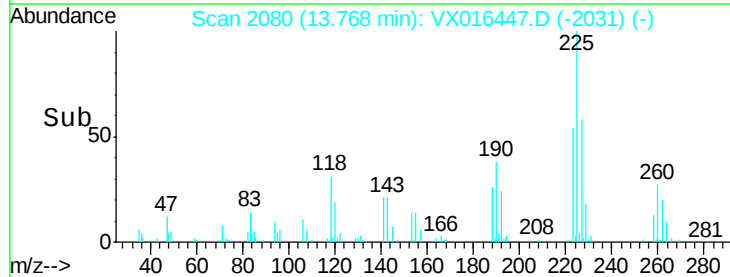
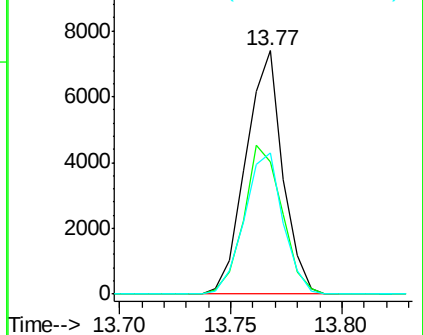


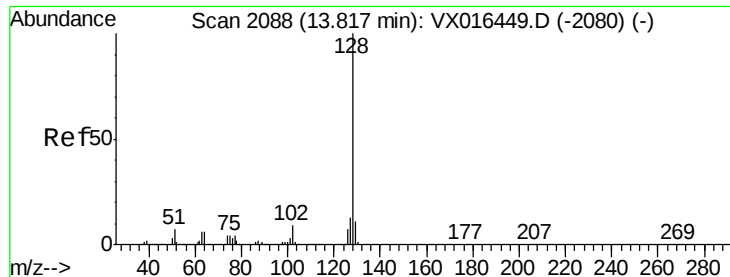
#94
 Hexachlorobutadiene
 Concen: 3.776 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX016447.D
 Acq: 27 May 2020 14:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	32.3	96.8
227	60.8	31.6	94.7



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





#95

Naphthalene

Concen: 4.357 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

Instrument :

MSVOA_X

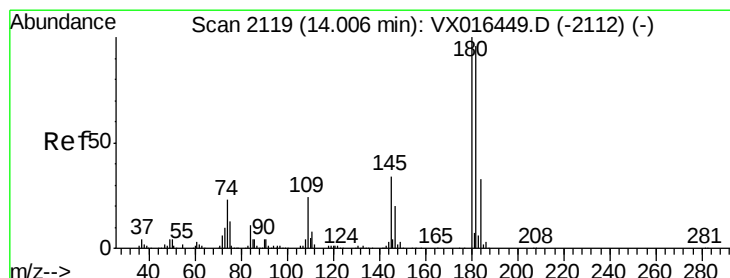
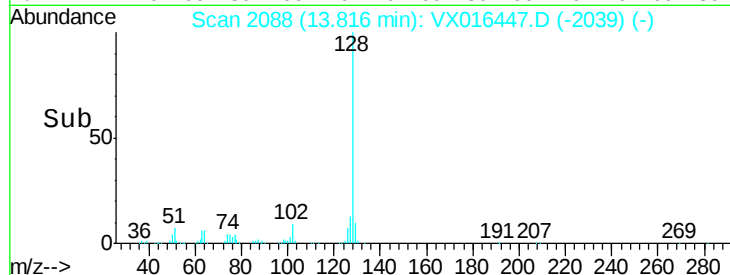
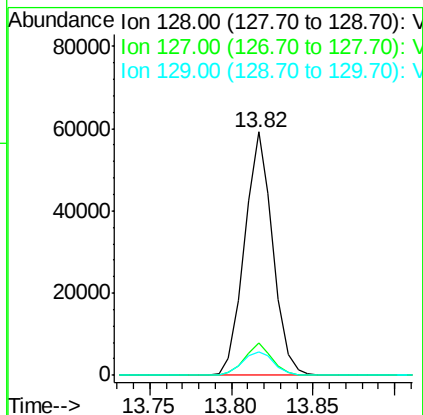
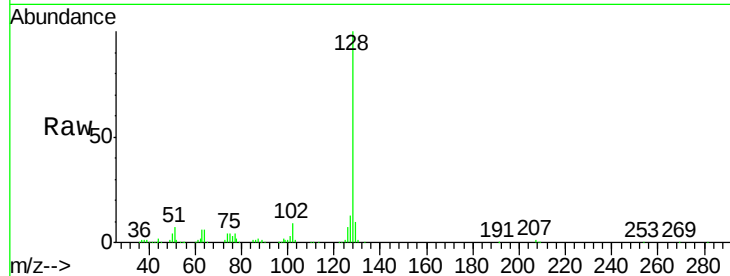
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	71107
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	15.8
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/28/2020 2:10:20 PM



#96

1,2,3-Trichlorobenzene

Concen: 4.173 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. -0.01 min

Lab File: VX016447.D

Acq: 27 May 2020 14:42

Tgt Ion:	180	Resp:	20325
Ion Ratio	Lower	Upper	
180	100		
182	97.4	48.6	145.8
145	31.7	16.6	49.8

