

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052720\
 Data File : VX016446.D
 Acq On : 27 May 2020 14:20
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 5/28/2020 2:10:03 PM

Quant Time: May 27 16:04:34 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	5.62	168	319771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	487431	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	437025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	202964	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	2846	0.845	ug/l	92
3) Chloromethane	1.31	50	3923	1.001	ug/l	94
4) Vinyl Chloride	1.39	62	3996	0.954	ug/l	94
6) Chloroethane	1.72	64	2382	0.944	ug/l	99
7) Trichlorofluoromethane	1.92	101	4781	0.870	ug/l	89
8) Diethyl Ether	2.17	74	2456	1.065	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.36	101	2838	0.902	ug/l	96
12) 1,1-Dichloroethene	2.36	96	3224	0.978	ug/l	91
14) Allyl chloride	2.71	41	5640	0.930	ug/l	95
15) Acrylonitrile	3.12	53	9320	4.220	ug/l	99
16) Acetone	2.42	43	8359	4.469	ug/l	92
17) Carbon Disulfide	2.55	76	9225	0.823	ug/l	99
18) Methyl Acetate	2.75	43	4073	0.878	ug/l	92
19) Methyl tert-butyl Ether	3.17	73	10533	0.919	ug/l	92
20) Methylene Chloride	2.83	84	3757	0.973	ug/l	90
21) trans-1,2-Dichloroethene	3.14	96	3305	0.894	ug/l	84
22) Diisopropyl ether	3.82	45	9889	0.859	ug/l #	76
23) Vinyl Acetate	3.78	43	40088	3.964	ug/l	98
24) 1,1-Dichloroethane	3.67	63	5714	0.888	ug/l	94
25) 2-Butanone	4.64	43	13121	4.321	ug/l	96
26) 2,2-Dichloropropane	4.54	77	4919	0.855	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	4082	1.008	ug/l	89
28) Bromochloromethane	4.98	49	2966	1.015	ug/l #	97
29) Tetrahydrofuran	5.09	42	8041	4.002	ug/l	96
30) Chloroform	5.18	83	5817	0.908	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	5079	0.871	ug/l #	49
36) 1,1-Dichloropropene	5.77	75	4627	0.962	ug/l	99
37) Ethyl Acetate	4.79	43	5722	1.025	ug/l #	86
38) Carbon Tetrachloride	5.76	117	4673	0.953	ug/l	91
39) Methylcyclohexane	7.44	83	5011	0.882	ug/l	95
40) Benzene	6.10	78	13114	0.930	ug/l #	90
41) Methacrylonitrile	5.00	41	3083	1.025	ug/l	93
42) 1,2-Dichloroethane	6.16	62	4704	0.928	ug/l	95
43) Isopropyl Acetate	6.42	43	8267	0.931	ug/l #	93

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC001

Manual Integrations
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Quant Time: May 27 16:04:34 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)
44) Trichloroethene	7.19	130	4595	0.934	ug/l	96
45) 1,2-Dichloropropane	7.49	63	3315	0.931	ug/l #	82
46) Dibromomethane	7.64	93	2193	0.906	ug/l	96
47) Bromodichloromethane	7.87	83	4468	0.906	ug/l #	80
48) Methyl methacrylate	7.75	41	3920	0.928	ug/l	99
49) 1,4-Dioxane	7.72	88	1796	17.788	ug/l #	81
51) 4-Methyl-2-Pentanone	8.62	43	23116	4.239	ug/l	100
52) Toluene	8.76	92	8038	0.915	ug/l	97
53) t-1,3-Dichloropropene	9.02	75	4882	0.833	ug/l	97
54) cis-1,3-Dichloropropene	8.42	75	5340	0.872	ug/l	91
55) 1,1,2-Trichloroethane	9.20	97	3187	0.923	ug/l #	90
56) Ethyl methacrylate	9.16	69	4778	0.845	ug/l	98
57) 1,3-Dichloropropane	9.35	76	5334	0.884	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.29	63	14557	4.867	ug/l	100
59) 2-Hexanone	9.48	43	17353	4.046	ug/l	93
60) Dibromochloromethane	9.57	129	3320	0.869	ug/l	98
61) 1,2-Dibromoethane	9.65	107	3339	0.895	ug/l	97
64) Tetrachloroethene	9.32	164	5248	0.988	ug/l	96
65) Chlorobenzene	10.12	112	8657	0.944	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.20	131	3255	0.959	ug/l #	66
67) Ethyl Benzene	10.24	91	14912	0.912	ug/l	95
68) m/p-Xylenes	10.34	106	10455	1.710	ug/l	99
69) o-Xylene	10.68	106	5173	0.881	ug/l	100
70) Styrene	10.70	104	8297	0.829	ug/l	97
71) Bromoform	10.84	173	2452	0.879	ug/l #	95
73) Isopropylbenzene	11.00	105	13316	0.905	ug/l	99
74) N-amyl acetate	10.88	43	5884	0.857	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.25	83	3024	1.102	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	4272m	0.929	ug/l	
77) Bromobenzene	11.24	156	3811	0.999	ug/l	89
78) n-propylbenzene	11.34	91	14372	0.841	ug/l	99
79) 2-Chlorotoluene	11.40	91	8984	0.887	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	10472	0.842	ug/l	98
82) 4-Chlorotoluene	11.49	91	10543	0.882	ug/l	96
83) tert-Butylbenzene	11.76	119	8628	0.804	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	10767	0.856	ug/l	100
85) sec-Butylbenzene	11.93	105	10983	0.769	ug/l	97
86) p-Isopropyltoluene	12.05	119	10586	0.797	ug/l	92
87) 1,3-Dichlorobenzene	12.01	146	6143	0.900	ug/l	96
88) 1,4-Dichlorobenzene	12.08	146	6641	0.958	ug/l	87
89) n-Butylbenzene	12.37	91	8429	0.701	ug/l	95
90) Hexachloroethane	12.58	117	1660	0.730	ug/l	76
91) 1,2-Dichlorobenzene	12.38	146	5801	0.883	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	1039	0.857	ug/l	97
93) 1,2,4-Trichlorobenzene	13.63	180	3787	0.786	ug/l	96
94) Hexachlorobutadiene	13.76	225	1533	0.706	ug/l	95
95) Naphthalene	13.82	128	12563	0.802	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	3844	0.822	ug/l	97

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

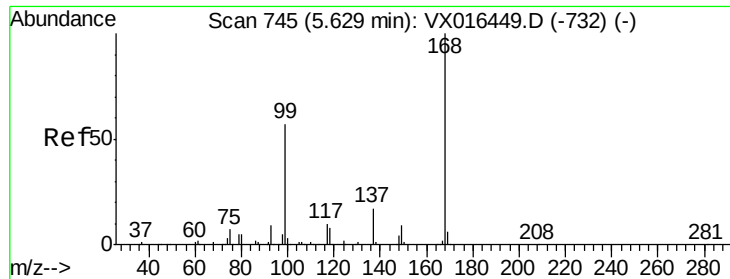
Manual Integrations
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Quant Time: May 27 16:04:34 2020
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

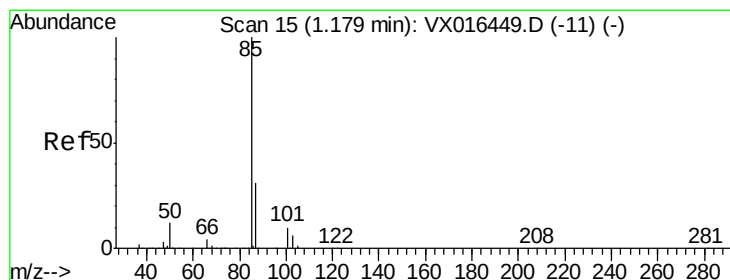
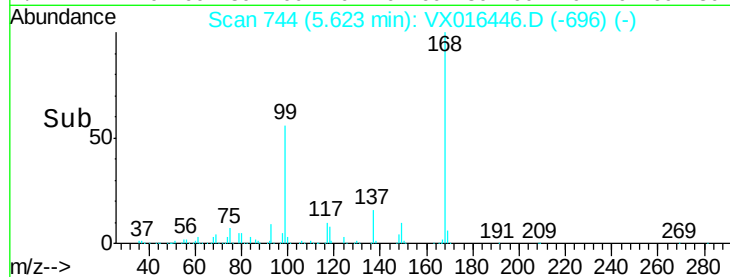
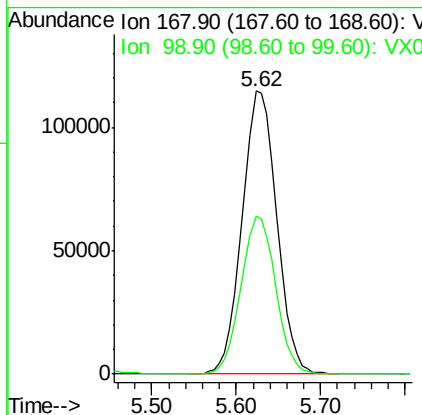
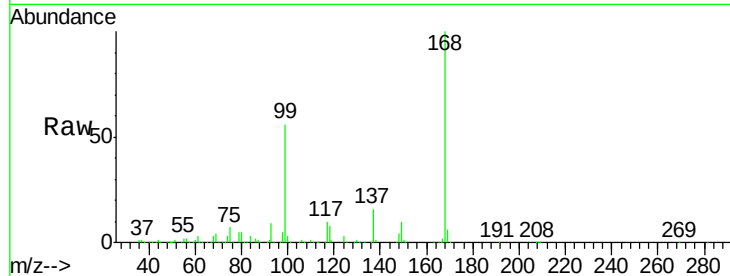
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: VX016446.D
 Acq: 27 May 2020 14:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
168	100	319771		
99	55.6	45.2	67.8	

Manual Integrations
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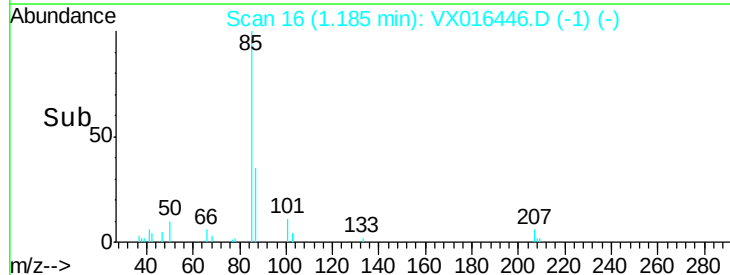
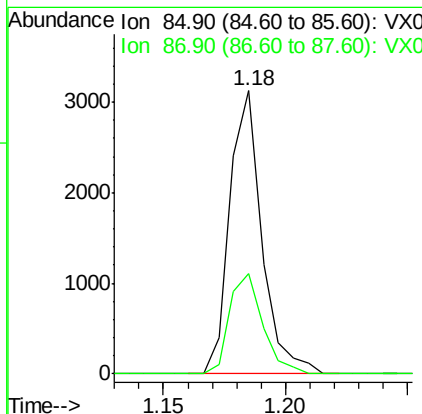
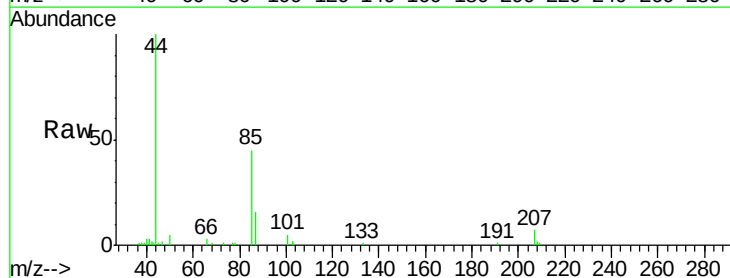
MMDadoda
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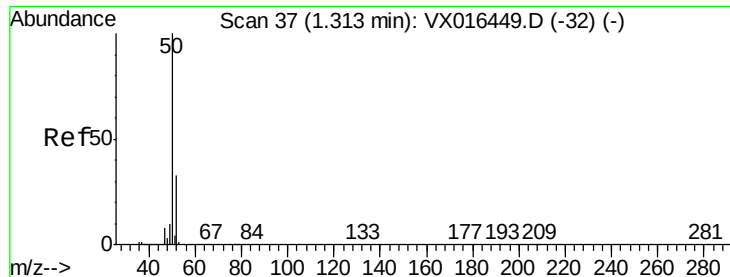


#2

Dichlorodifluoromethane
 Concen: 0.845 ug/l
 RT: 1.18 min Scan# 16
 Delta R.T. 0.01 min
 Lab File: VX016446.D
 Acq: 27 May 2020 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	2846		
87	35.3	15.4	46.2	





#3

Chloromethane

Concen: 1.001 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 3923

Ion Ratio Lower Upper

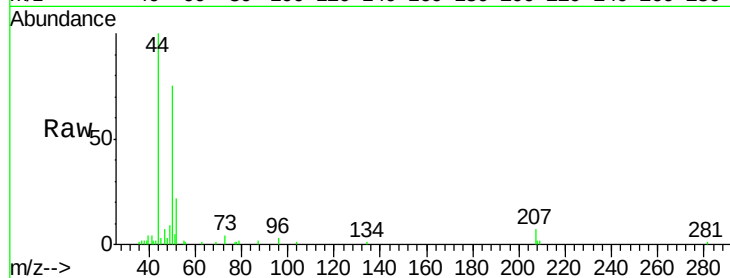
50 100

52 29.2 26.2 39.2

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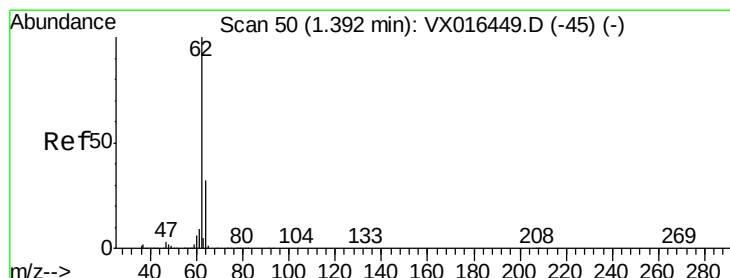
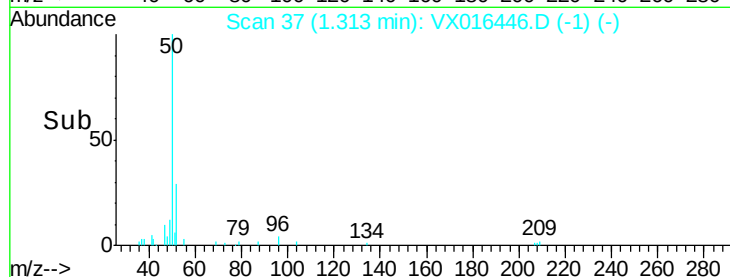
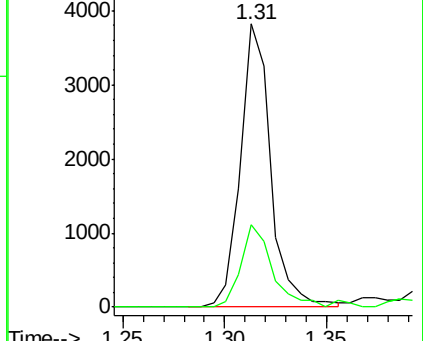
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 0.954 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX016446.D

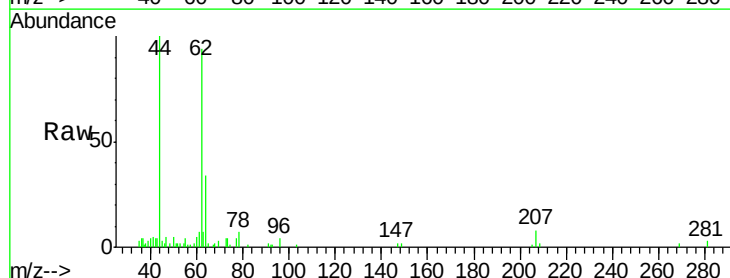
Acq: 27 May 2020 14:20

Tgt Ion: 62 Resp: 3996

Ion Ratio Lower Upper

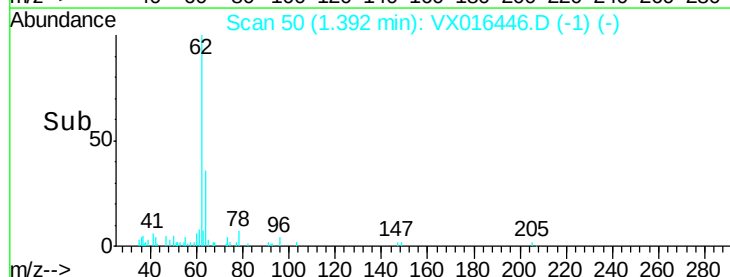
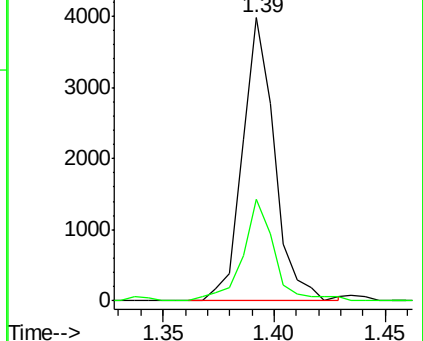
62 100

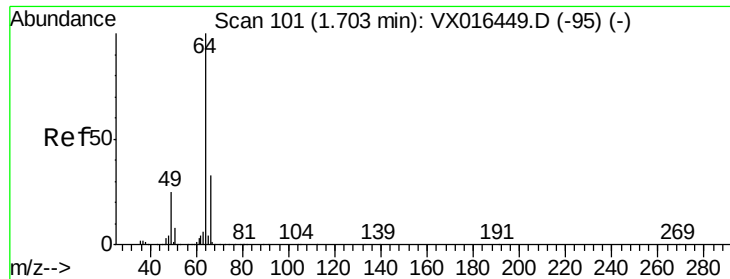
64 35.8 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#6

Chloroethane

Concen: 0.944 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 2382

Ion Ratio Lower Upper

64 100

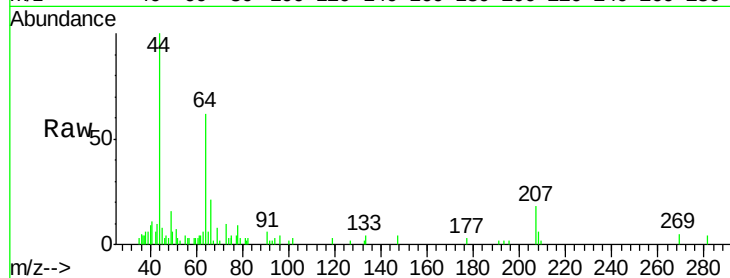
66 34.1 26.7 40.1

Manual Integrations

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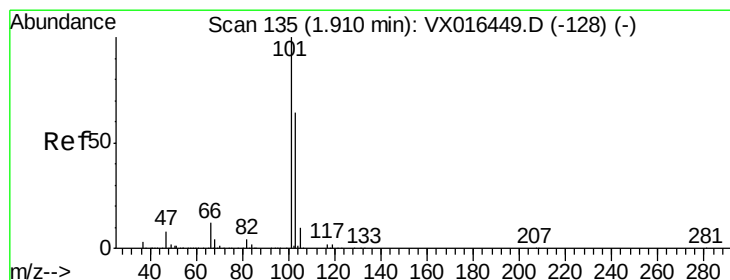
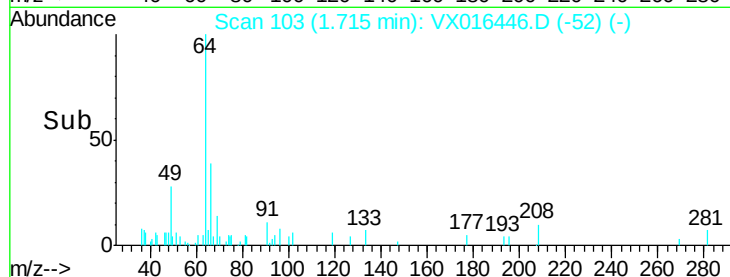
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

1.65 1.70 1.75

Time-->



#7

Trichlorofluoromethane

Concen: 0.870 ug/l

RT: 1.92 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX016446.D

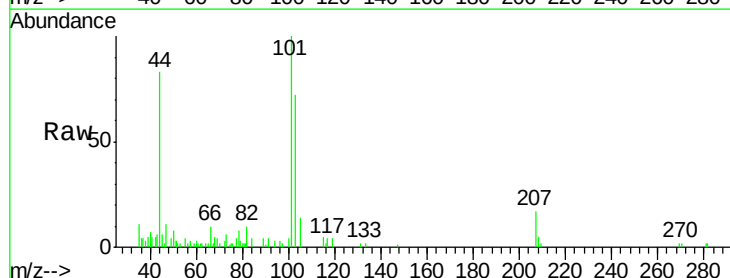
Acq: 27 May 2020 14:20

Tgt Ion: 101 Resp: 4781

Ion Ratio Lower Upper

101 100

103 72.5 50.9 76.3



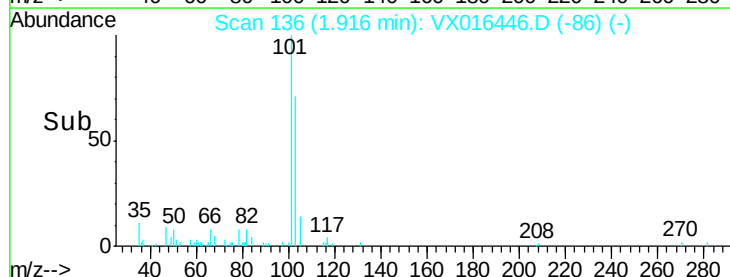
Abundance Ion 100.90 (100.60 to 101.60): V

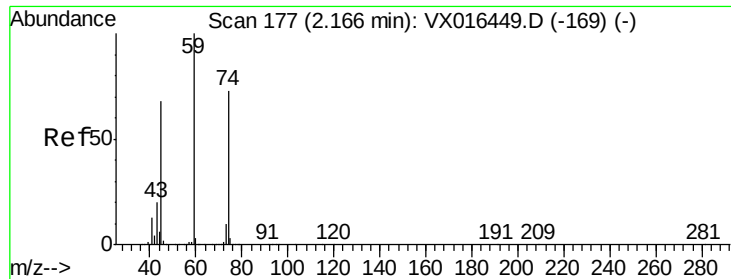
Ion 102.80 (102.50 to 103.50): V

1.92

1.85 1.90 1.95

Time-->





#8

Diethyl Ether

Concen: 1.065 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 74 Resp: 2456

Ion Ratio Lower Upper

74 100

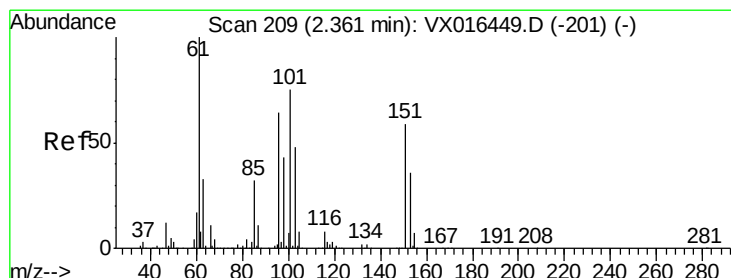
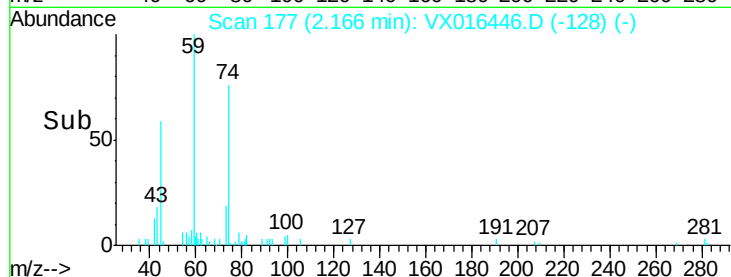
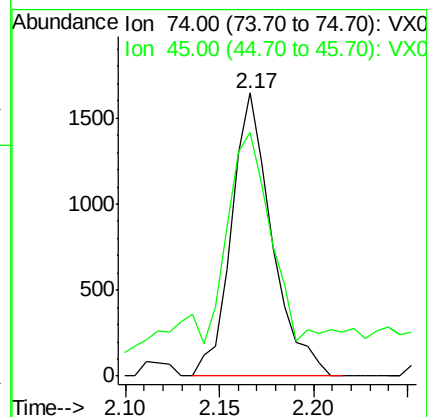
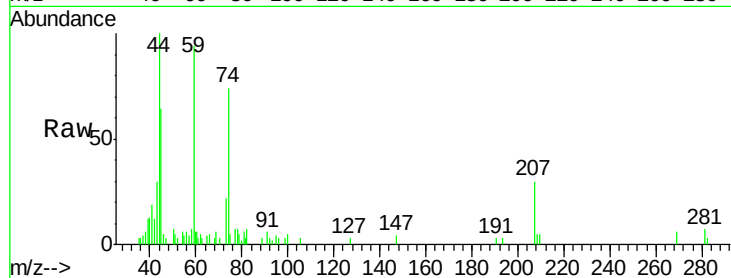
45 97.5 47.5 142.5

Manual Integrations

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#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.902 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

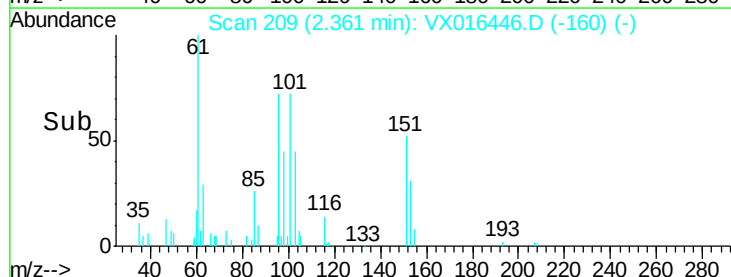
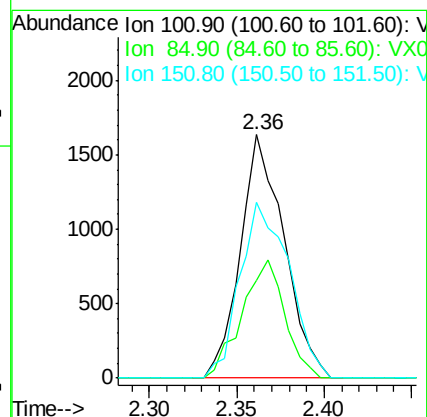
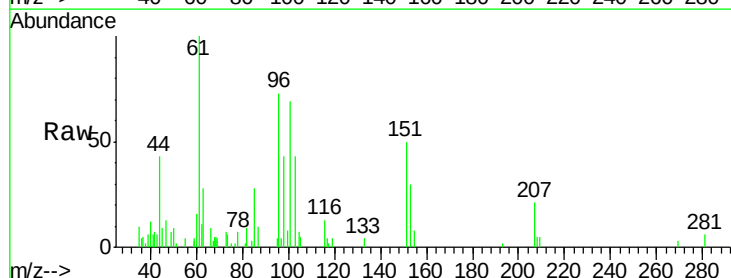
Tgt Ion: 101 Resp: 2838

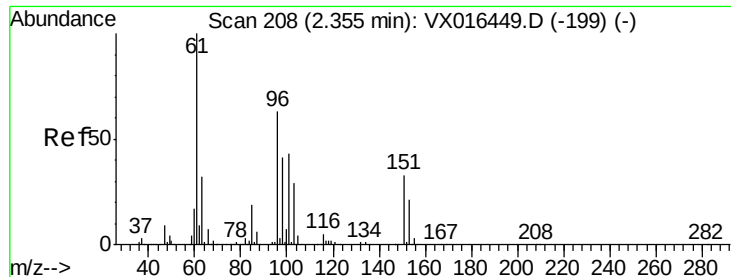
Ion Ratio Lower Upper

101 100

85 47.7 34.4 51.6

151 81.5 63.8 95.6





#12

1,1-Dichloroethene

Concen: 0.978 ug/l

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

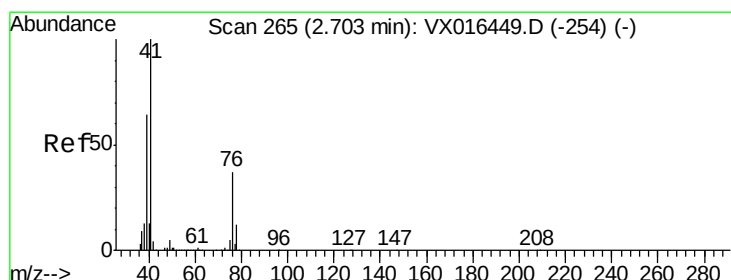
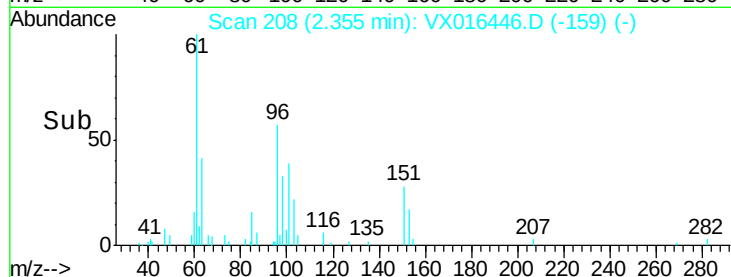
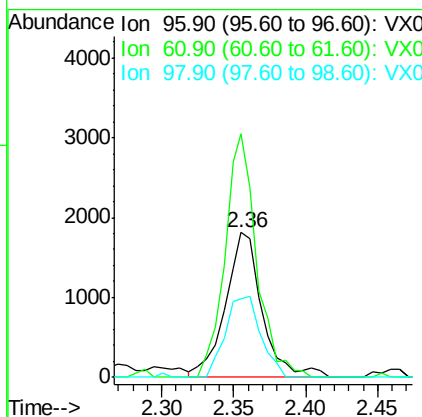
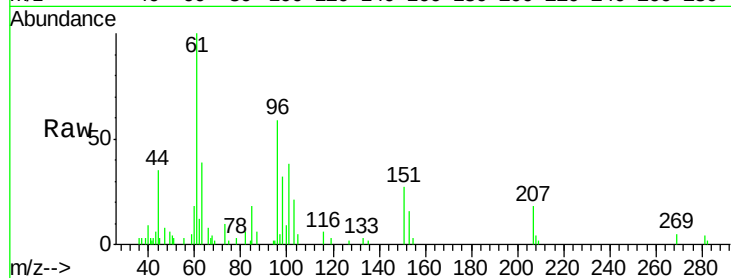
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	3224
Ion	Ratio	Lower	Upper
96	100		
61	168.4	126.6	189.8
98	54.5	51.3	76.9

Manual Integrations
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#14

Allyl chloride

Concen: 0.930 ug/l

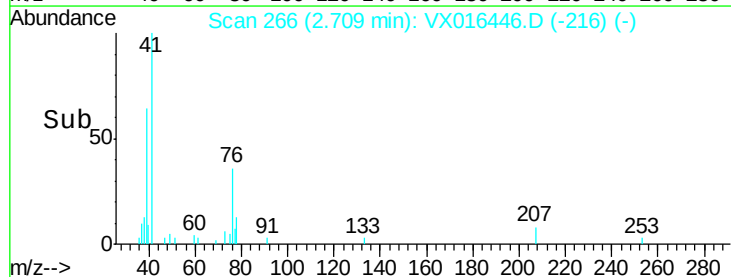
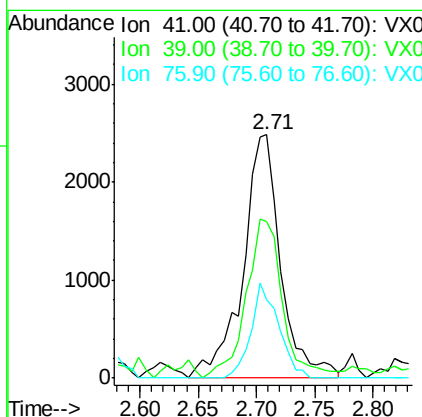
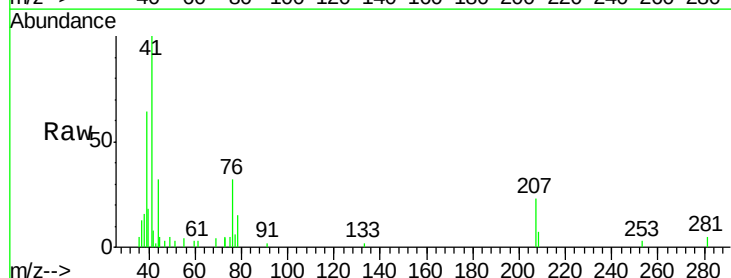
RT: 2.71 min Scan# 266

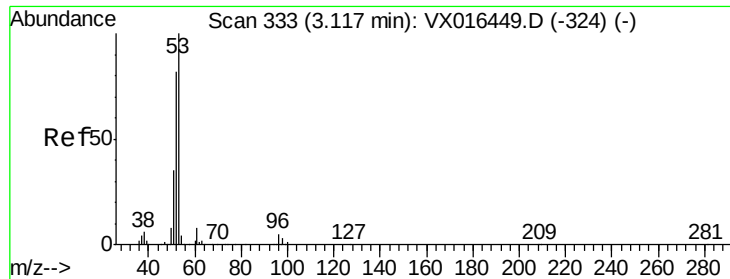
Delta R.T. 0.01 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Tgt Ion:	41	Resp:	5640
Ion	Ratio	Lower	Upper
41	100		
39	62.2	47.7	71.5
76	28.3	26.6	40.0





#15

Acrylonitrile

Concen: 4.220 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

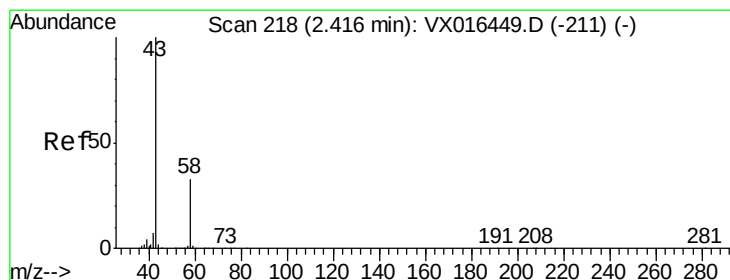
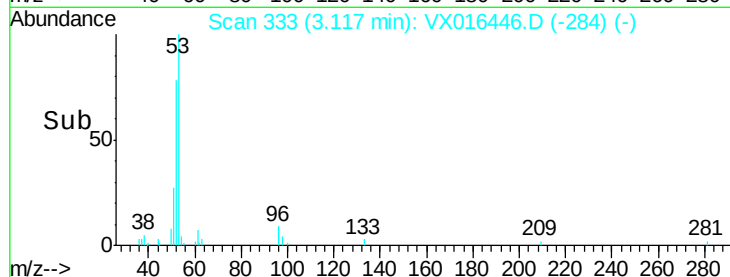
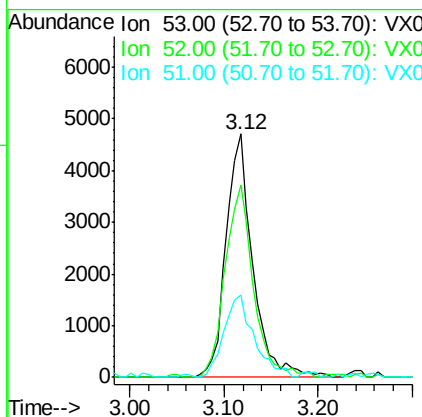
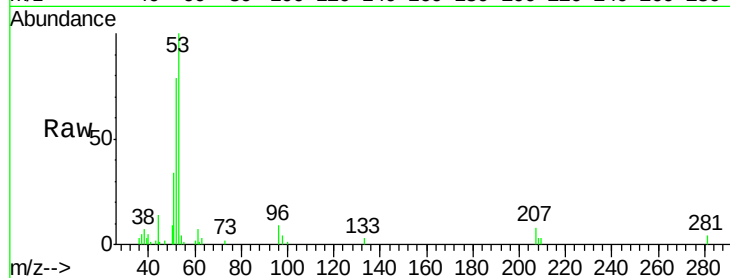
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	9320
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.7	100.1
51	38.1	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 4.469 ug/l

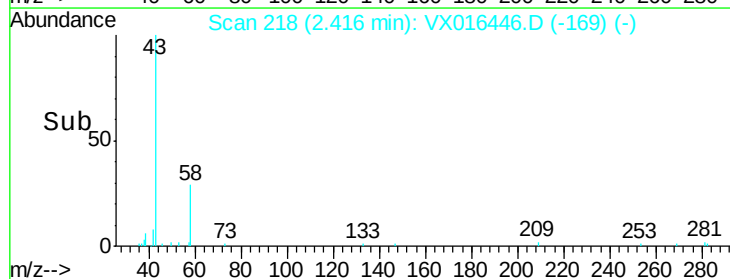
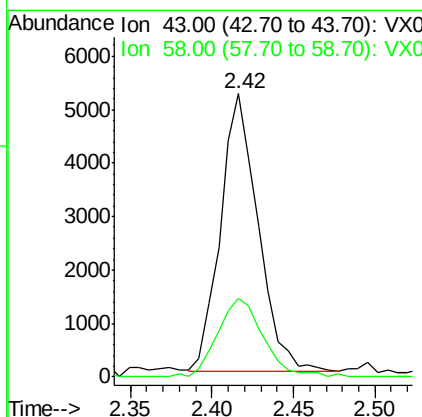
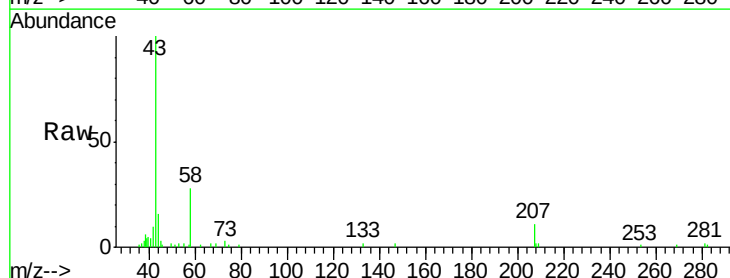
RT: 2.42 min Scan# 218

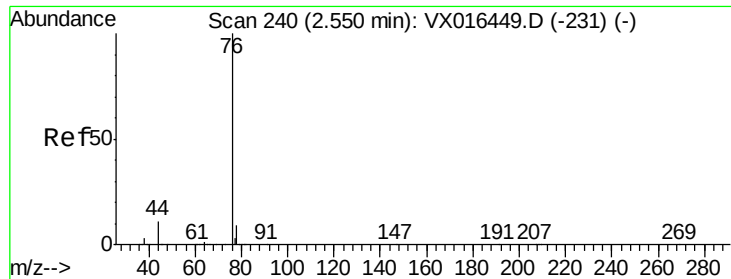
Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Tgt Ion:	43	Resp:	8359
Ion	Ratio	Lower	Upper
43	100		
58	28.2	26.1	39.1





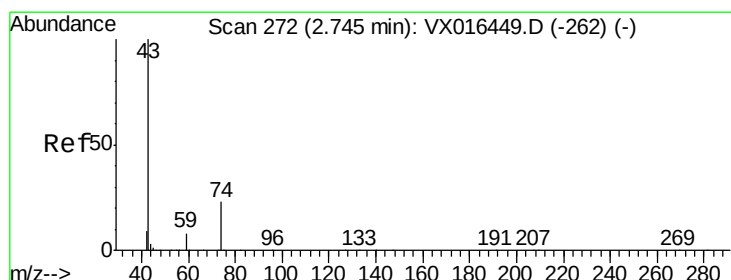
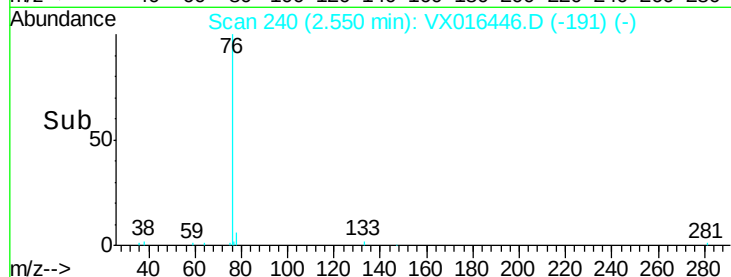
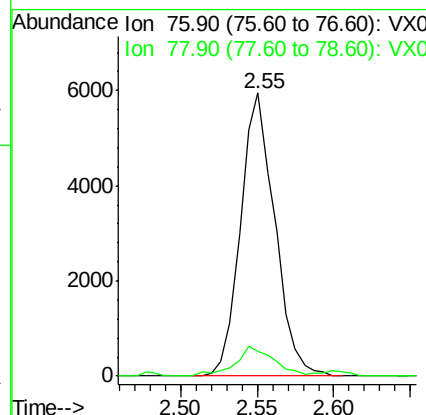
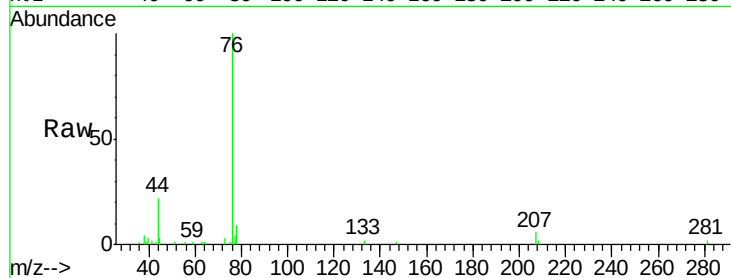
#17
Carbon Disulfide
Concen: 0.823 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.0

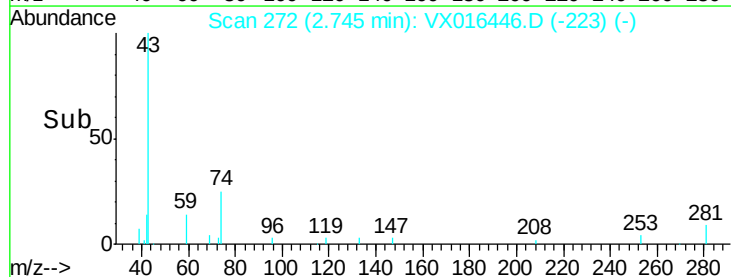
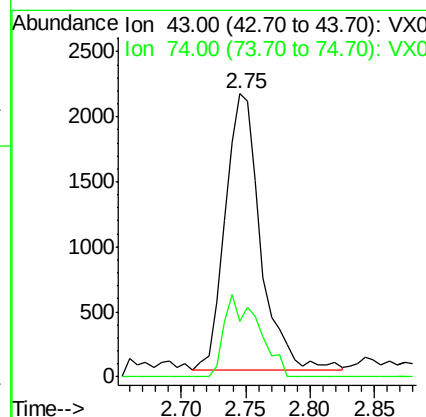
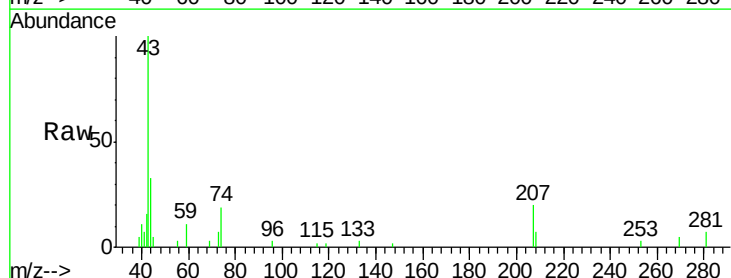
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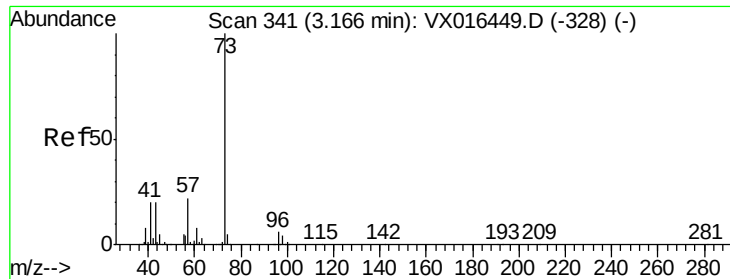
MMDadoda
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#18
Methyl Acetate
Concen: 0.878 ug/l
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.7	19.7	29.5





#19

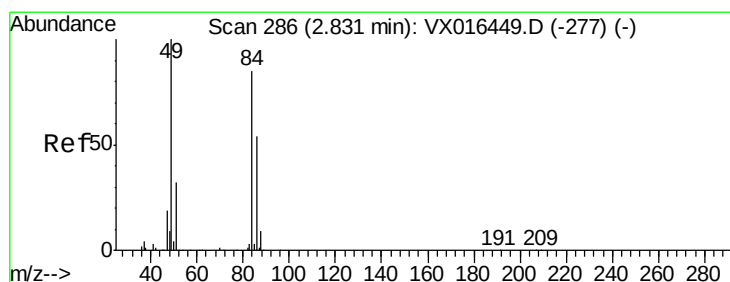
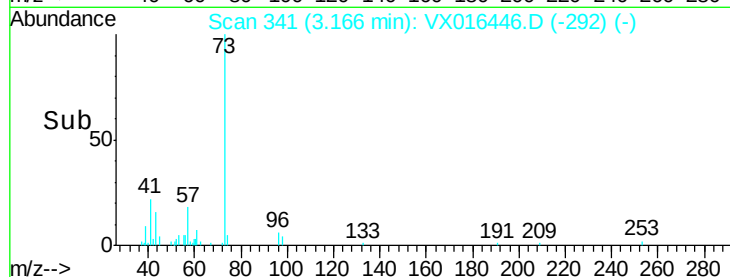
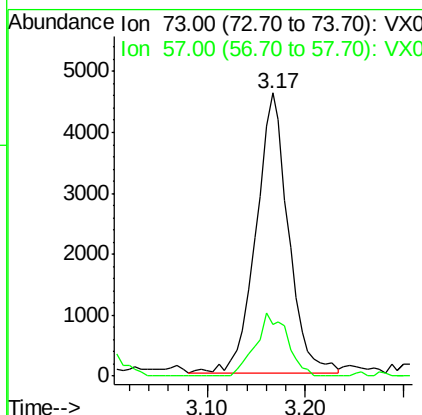
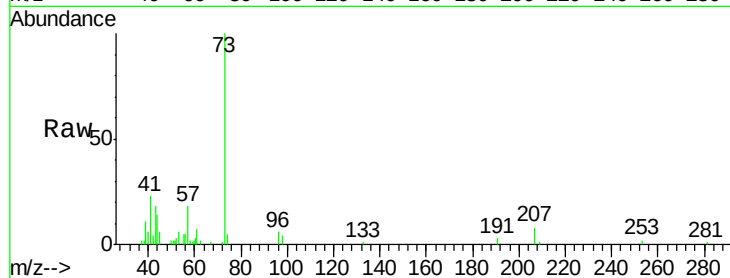
Methyl tert-butyl Ether
 Concen: 0.919 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VX016446.D
 Acq: 27 May 2020 14:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	73	Resp	10533
Ion Ratio	Lower	Upper	
73	100		
57	18.3	17.8	26.6

Manual Integrations
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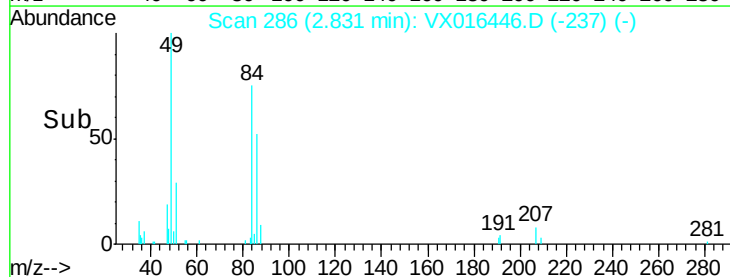
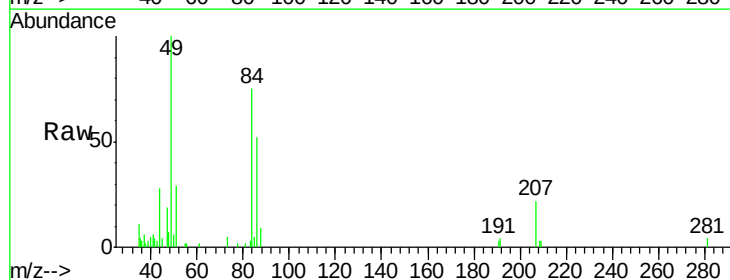
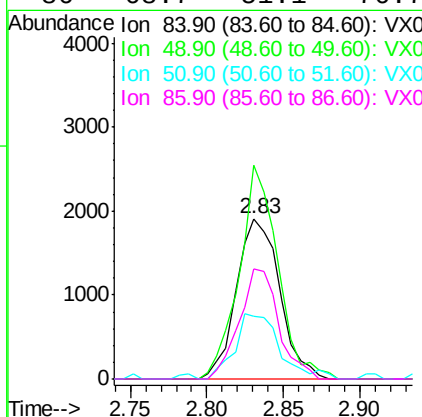
MMDadoda
 5/28/2020 2:10:03 PM

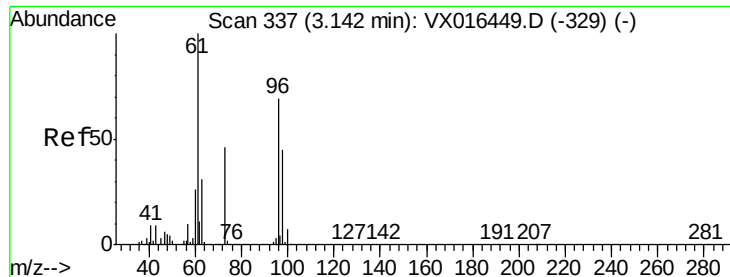


#20

Methylene Chloride
 Concen: 0.973 ug/l
 RT: 2.83 min Scan# 286
 Delta R.T. 0.00 min
 Lab File: VX016446.D
 Acq: 27 May 2020 14:20

Tgt Ion	84	Resp	3757
Ion Ratio	Lower	Upper	
84	100		
49	133.4	94.5	141.7
51	39.2	30.2	45.4
86	68.7	51.1	76.7





#21

trans-1,2-Dichloroethene

Concen: 0.894 ug/l

RT: 3.14 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

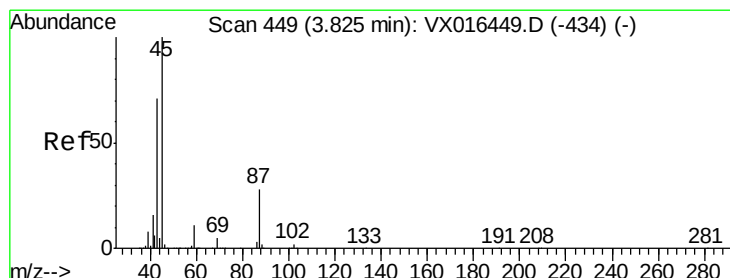
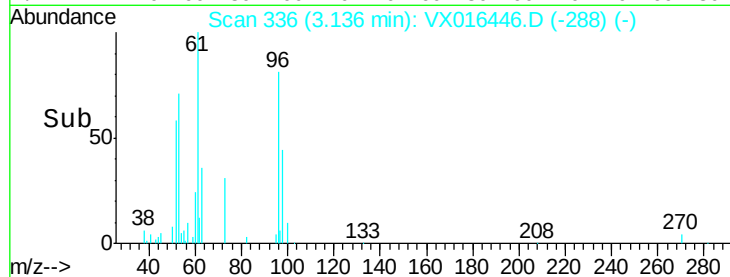
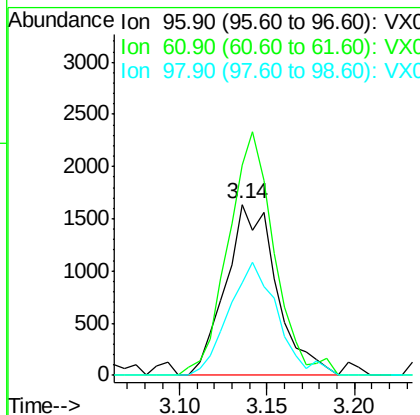
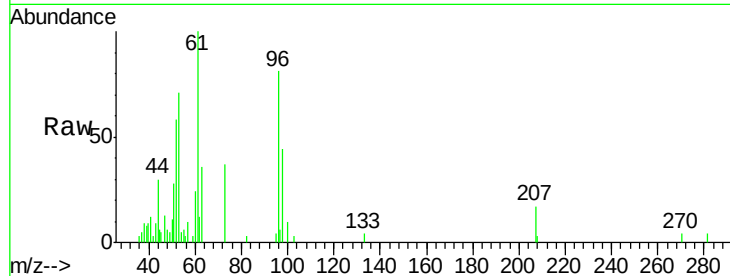
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	3305
Ion	Ratio	Lower	Upper
96	100		
61	123.4	115.3	172.9
98	54.2	51.9	77.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 0.859 ug/l

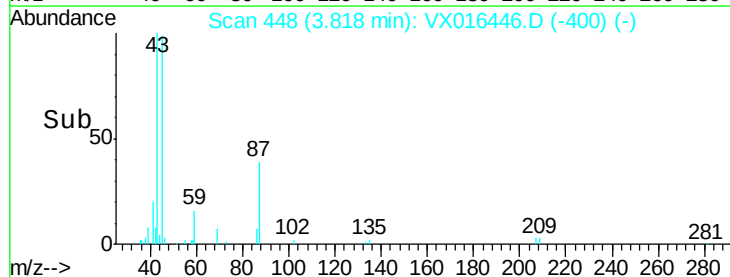
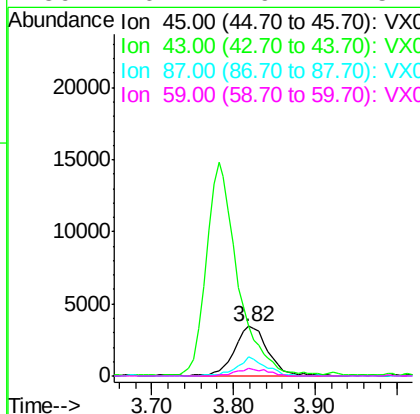
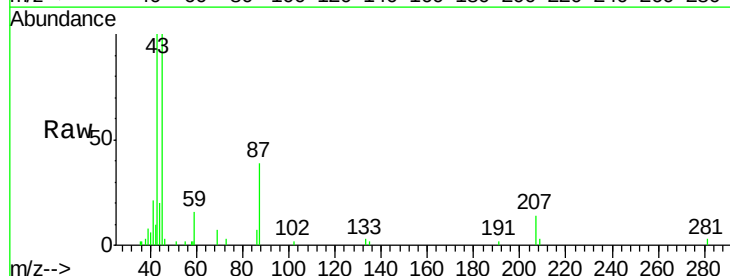
RT: 3.82 min Scan# 448

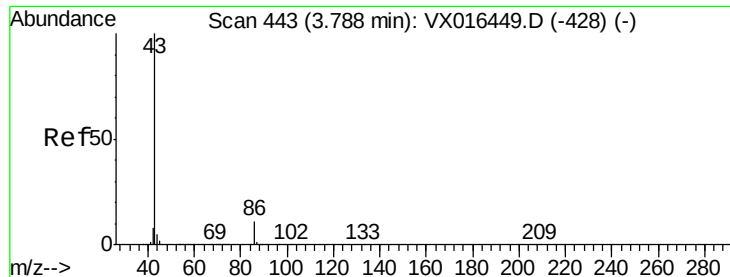
Delta R.T. -0.01 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Tgt Ion:	45	Resp:	9889
Ion	Ratio	Lower	Upper
45	100		
43	94.7	57.0	85.6#
87	38.5	22.5	33.7#
59	16.1	9.1	13.7#





#23

Vinyl Acetate

Concen: 3.964 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 40088

Ion Ratio Lower Upper

43 100

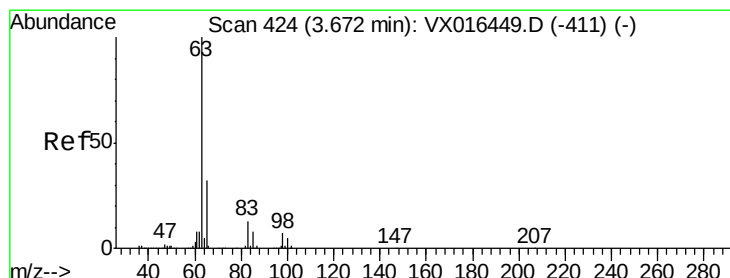
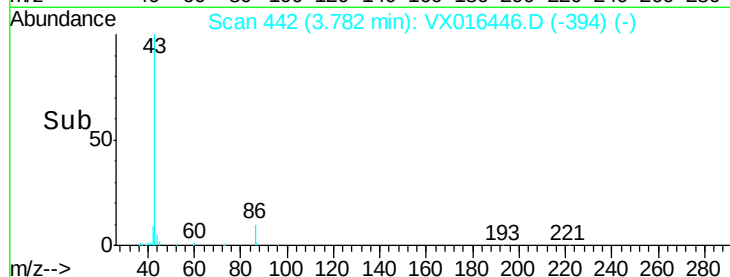
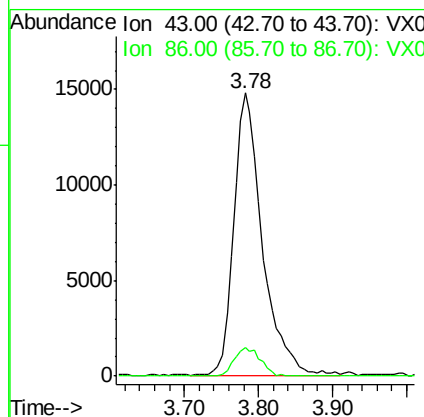
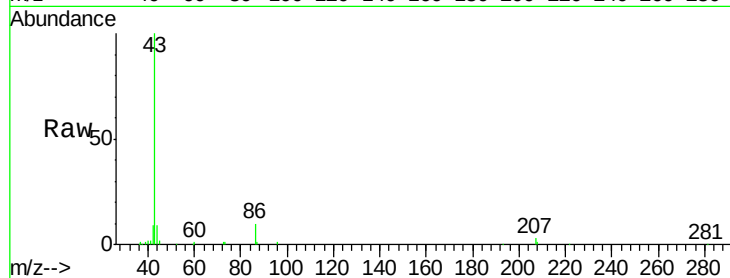
86 10.0 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 0.888 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

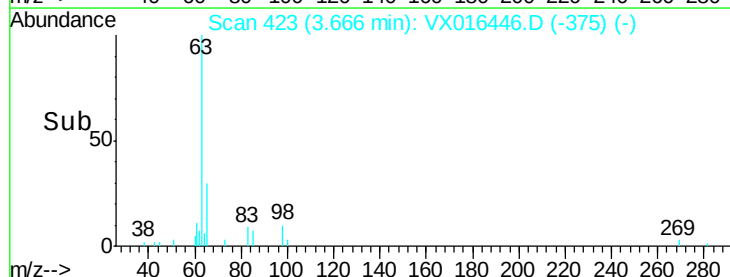
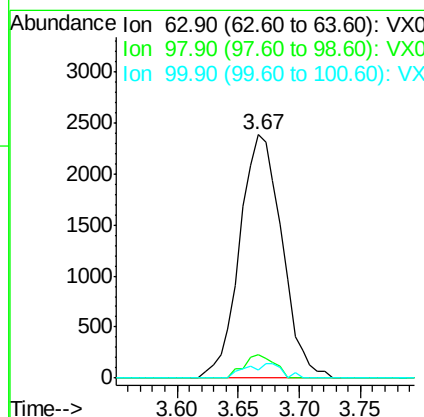
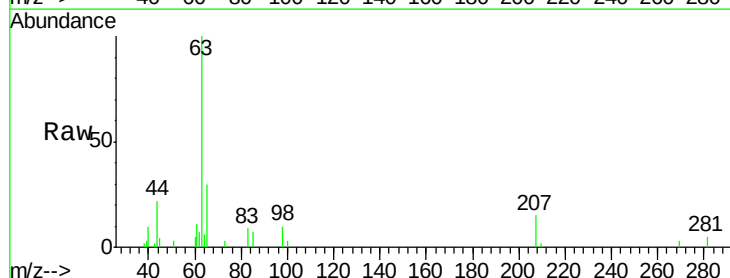
Tgt Ion: 63 Resp: 5714

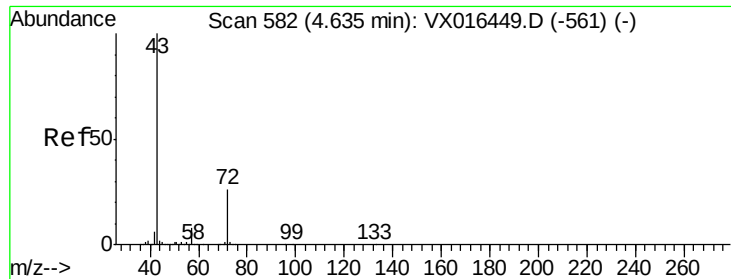
Ion Ratio Lower Upper

63 100

98 9.7 3.6 10.9

100 3.4 2.4 7.1





#25

2-Butanone

Concen: 4.321 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 13121

Ion Ratio Lower Upper

43 100

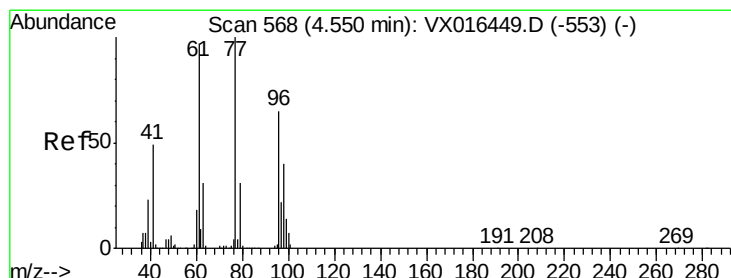
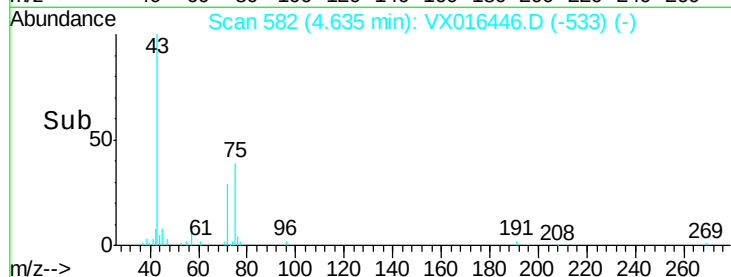
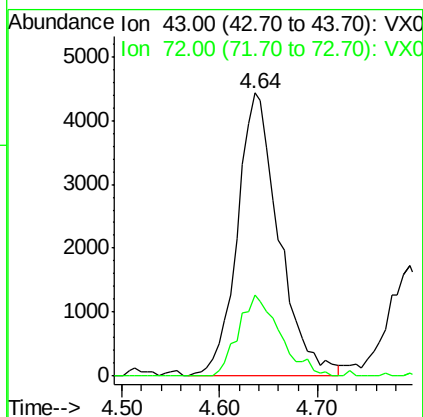
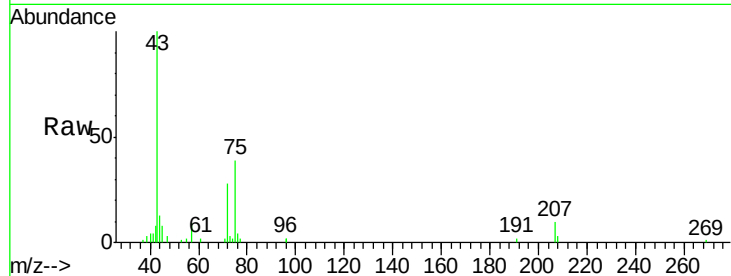
72 28.5 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 0.855 ug/l

RT: 4.54 min Scan# 566

Delta R.T. -0.01 min

Lab File: VX016446.D

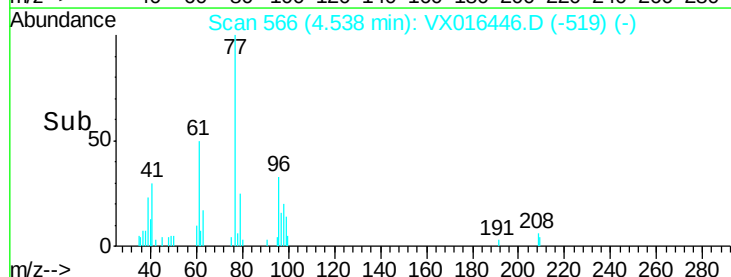
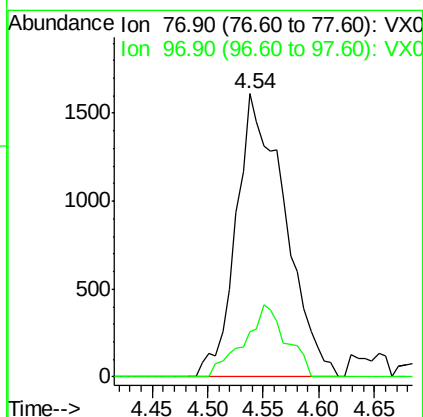
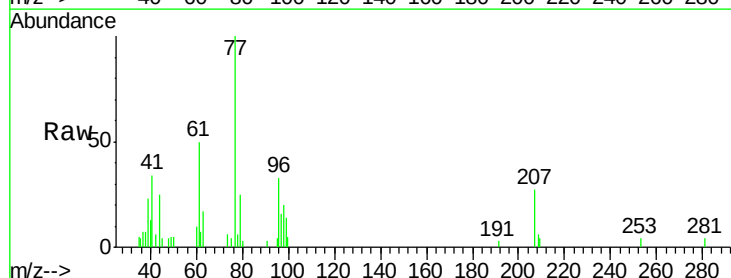
Acq: 27 May 2020 14:20

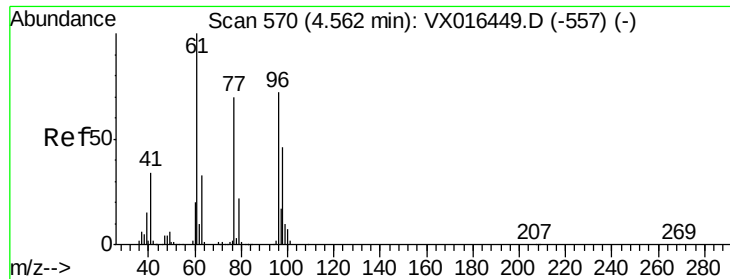
Tgt Ion: 77 Resp: 4919

Ion Ratio Lower Upper

77 100

97 22.2 11.5 34.4





#27

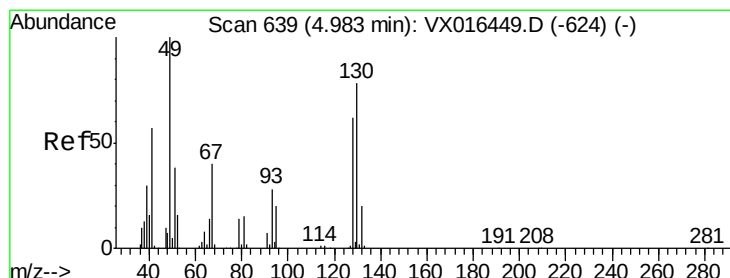
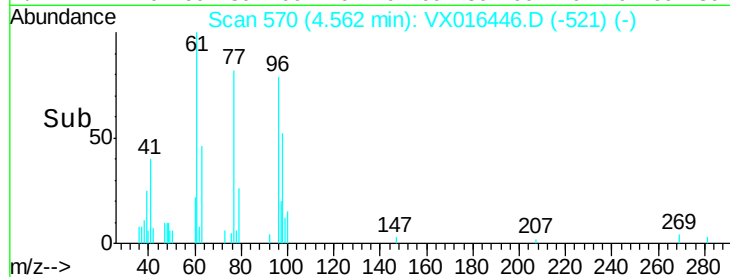
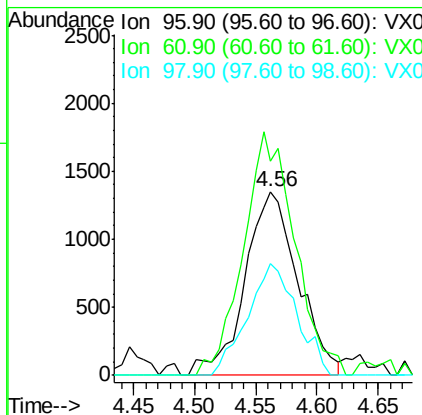
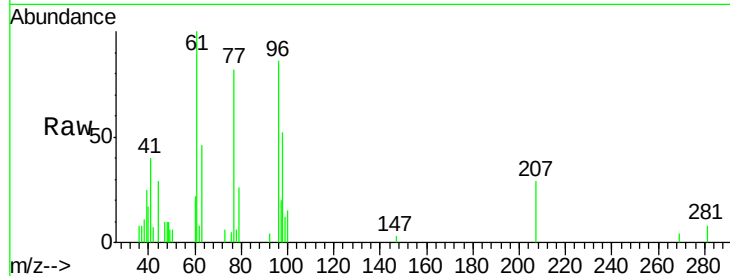
cis-1,2-Dichloroethene
Concen: 1.008 ug/l
RT: 4.56 min Scan# 570
Delta R.T. 0.00 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.4	0.0	284.6
98	56.3	0.0	127.2

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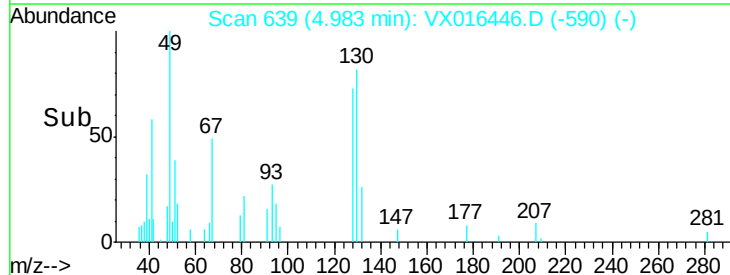
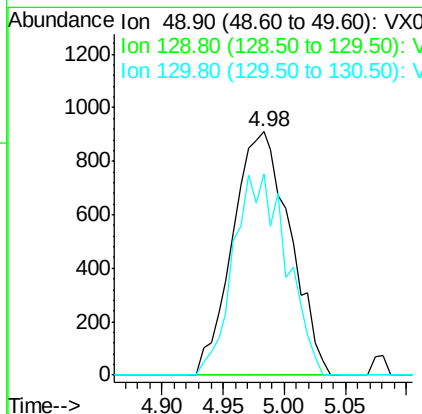
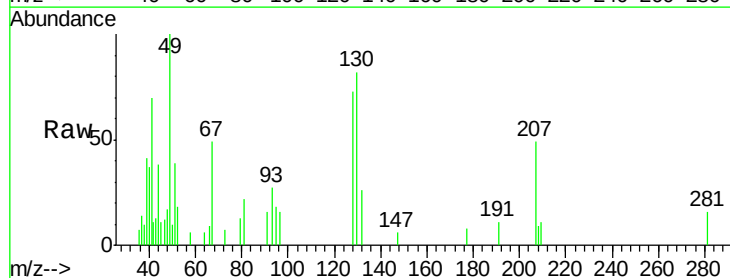
MMDadoda
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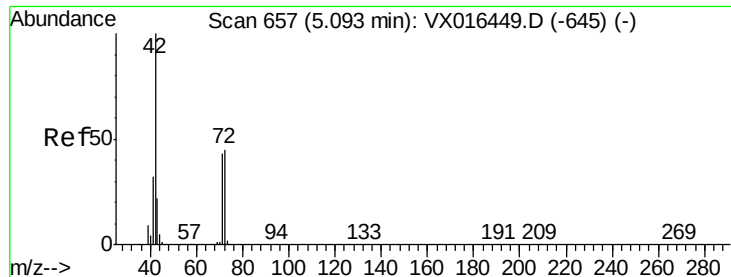


#28

Bromochloromethane
Concen: 1.015 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	76.6	63.0	94.4





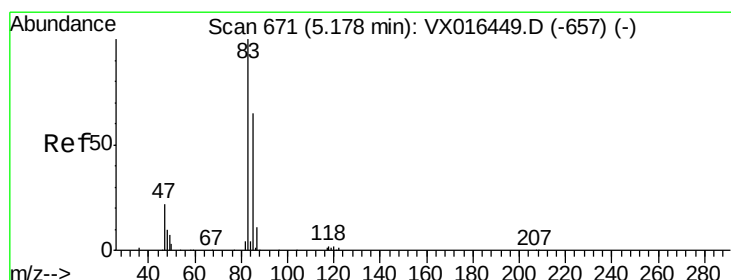
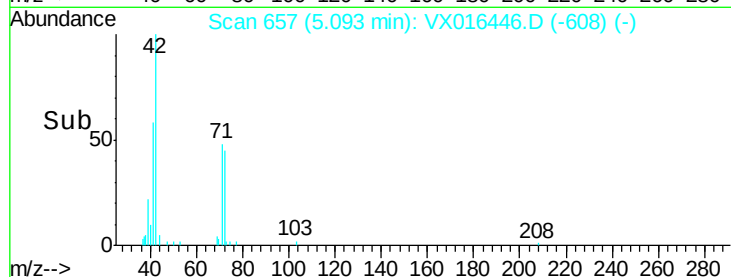
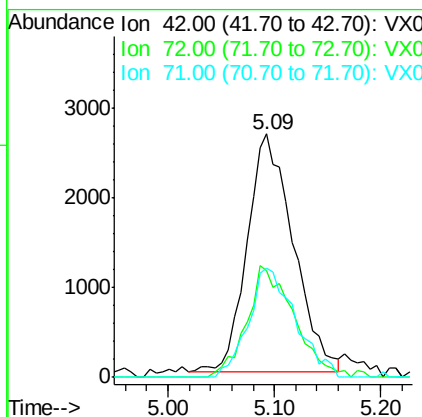
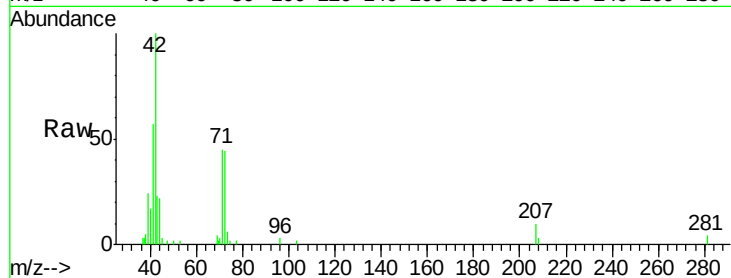
#29
Tetrahydrofuran
Concen: 4.002 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:	42	Resp:	8041
Ion	Ratio	Lower	Upper
42	100		
72	47.6	37.0	55.4
71	46.3	34.1	51.1

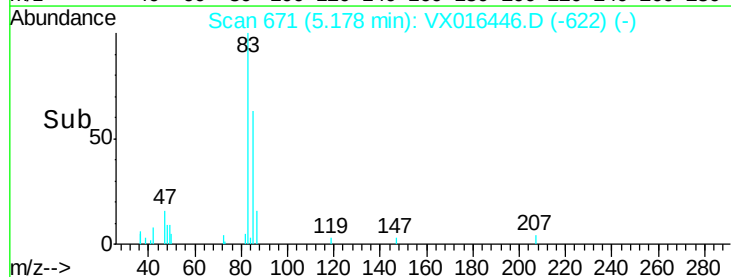
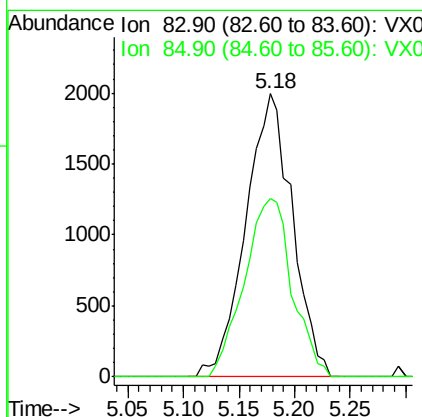
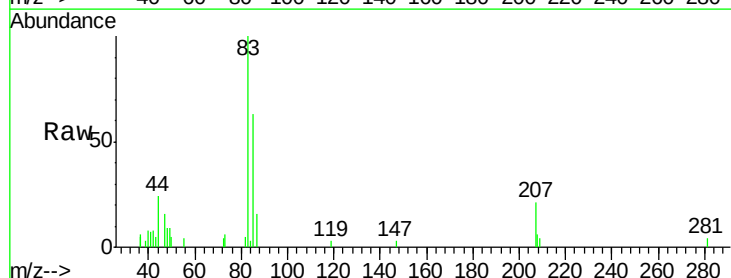
Manual Integrations
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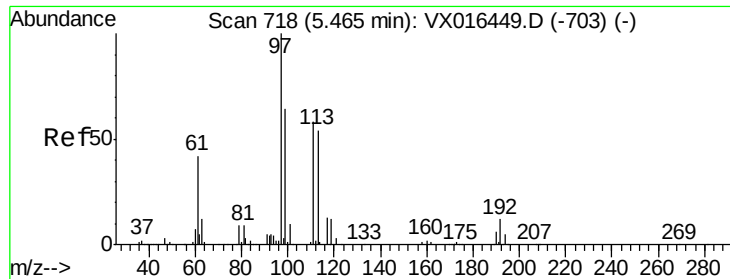
MMDadoda
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#30
Chloroform
Concen: 0.908 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

Tgt Ion:	83	Resp:	5817
Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.0	78.0





#32

1,1,1-Trichloroethane

Concen: 0.871 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

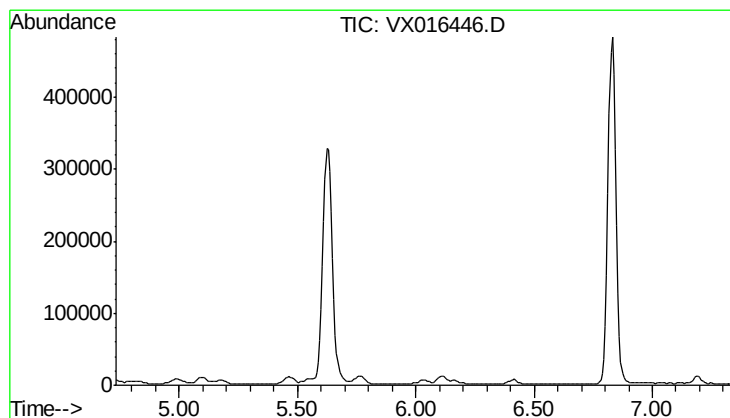
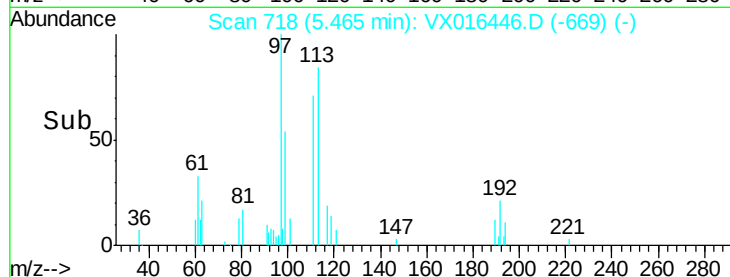
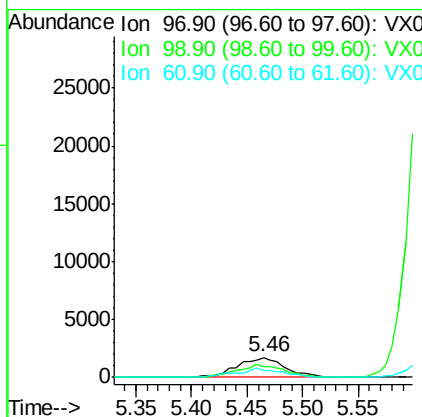
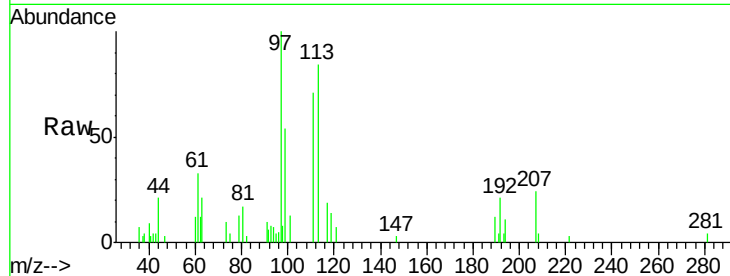
ClientSampleId :

VSTDIC001

Tot Ion:	97	Resp:	5079
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.4	77.2#
61	44.4	33.5	50.3

Manual Integrations
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5/28/2020 2:10:03 PM



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 6.03 min

Lab File: VX016446.D

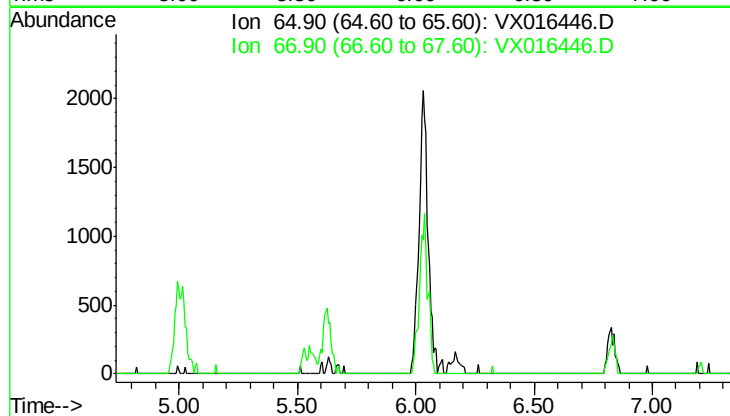
Acq: 27 May 2020 14:20

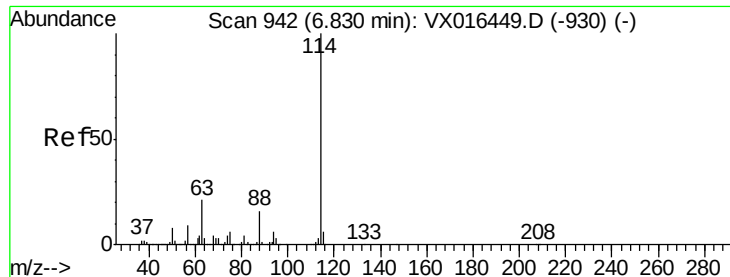
Tgt Ion: 65

Sig Exp Ratio

65 100

67 52.4





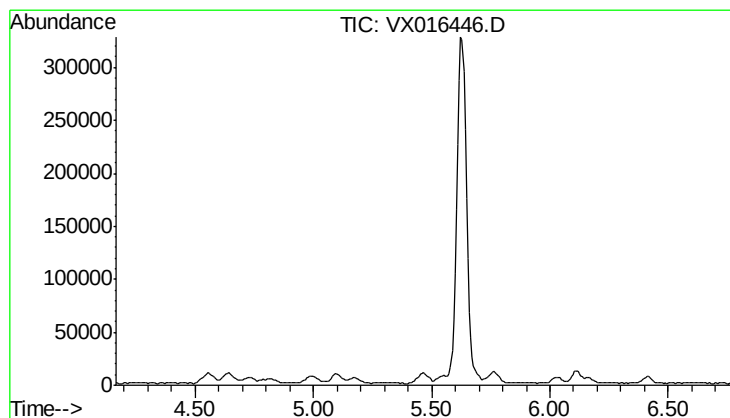
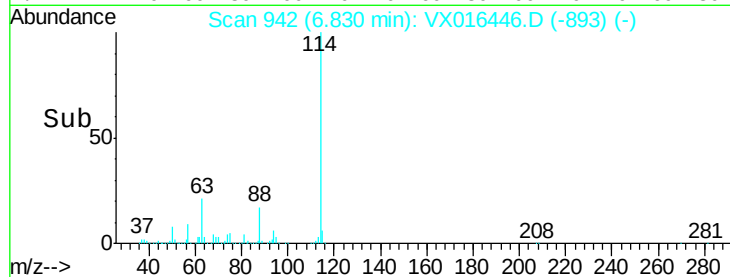
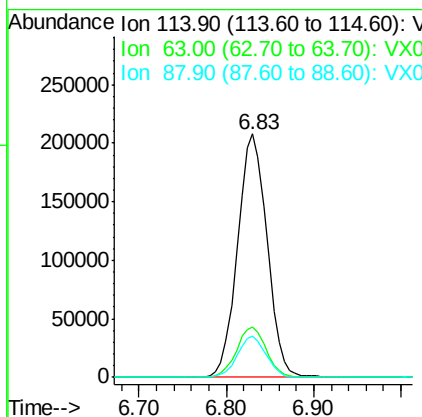
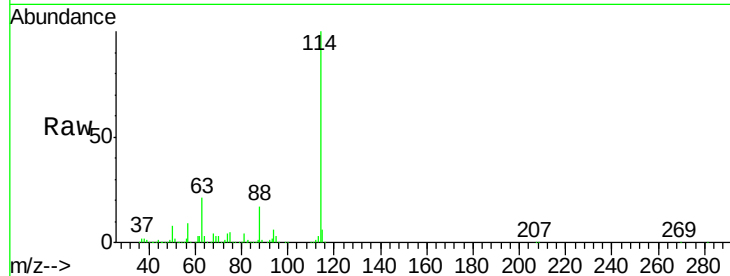
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.83 min Scan# 942
Delta R.T. 0.00 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
487431	114	100			
	63	20.7	0.0	42.6	
	88	16.7	0.0	32.8	

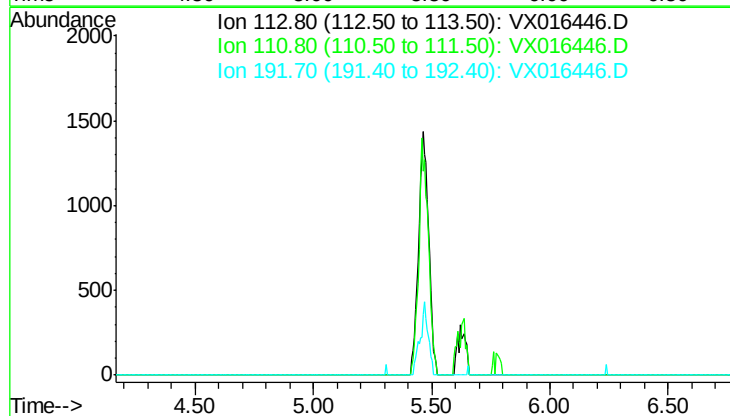
Manual Integrations
APPROVED

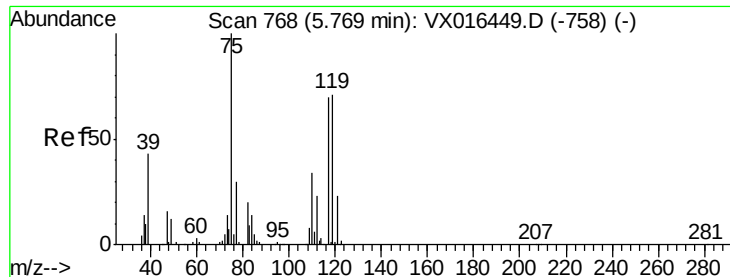
MMDadoda
5/28/2020 2:10:03 PM



#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.46 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

Tgt Ion	Sig	Exp Ratio
113	100	
111	103.8	
192	22.1	





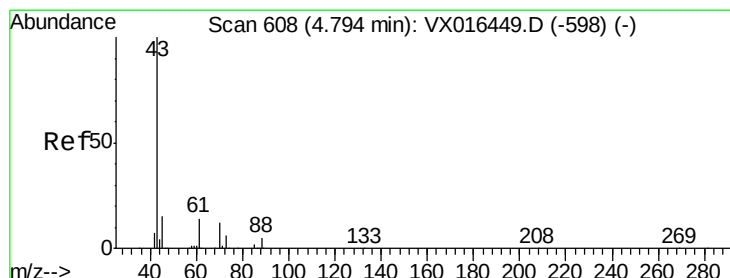
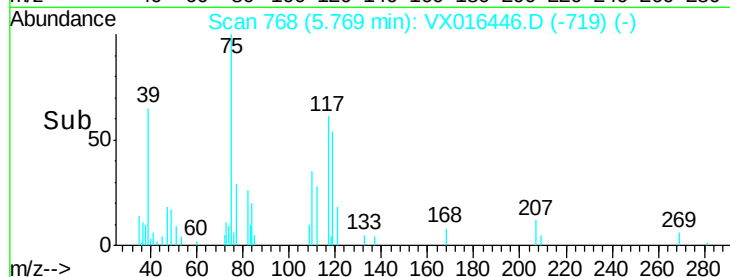
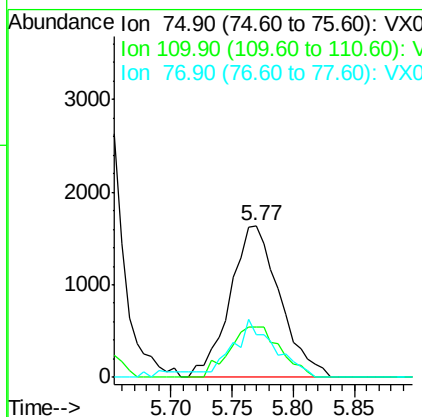
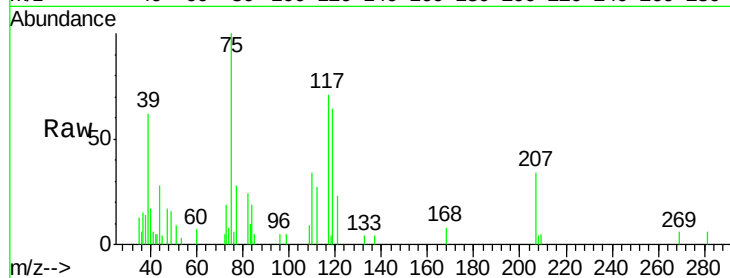
#36
 1,1-Dichloropropene
 Concen: 0.962 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VX016446.D
 Acq: 27 May 2020 14:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.4	52.3
77	31.4	24.2	36.4

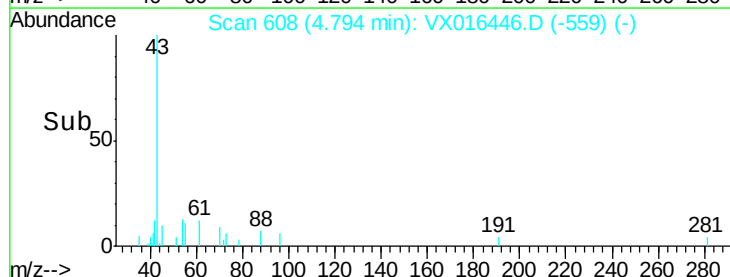
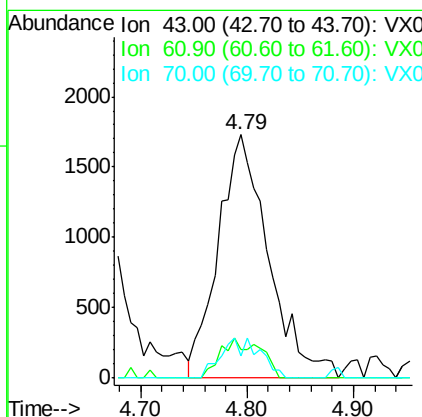
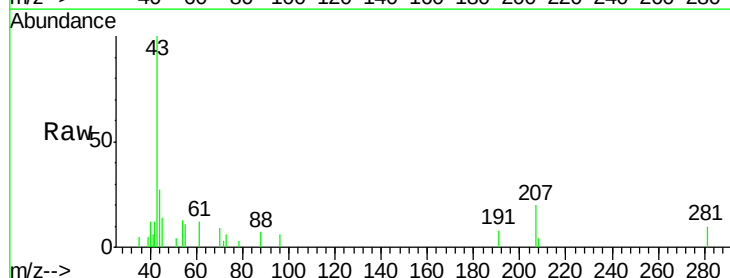
Manual Integrations
 APPROVED

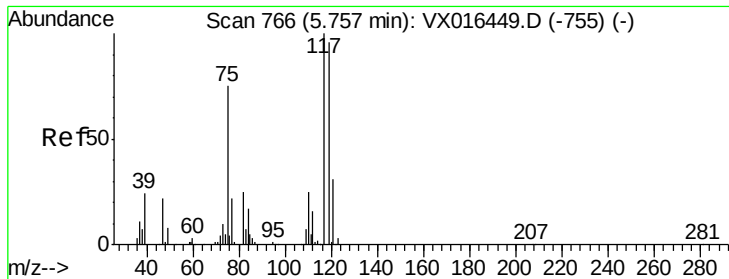
MMDadoda
 5/28/2020 2:10:03 PM



#37
 Ethyl Acetate
 Concen: 1.025 ug/l
 RT: 4.79 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VX016446.D
 Acq: 27 May 2020 14:20

Tgt Ion	Ratio	Lower	Upper
43	100		
61	8.1	11.3	16.9#
70	6.7	9.3	13.9#





#38

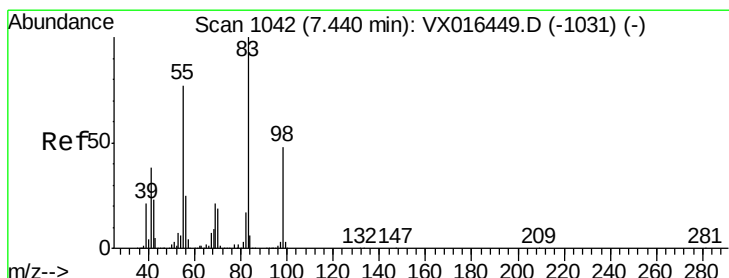
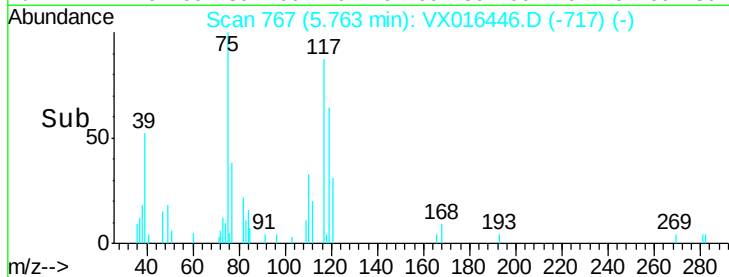
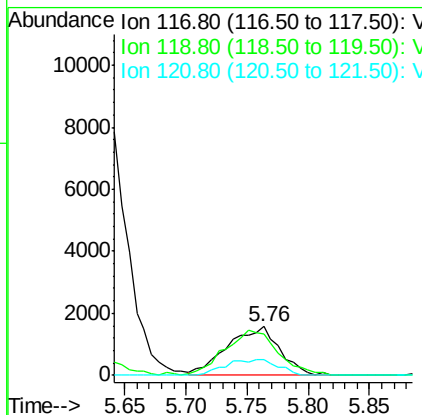
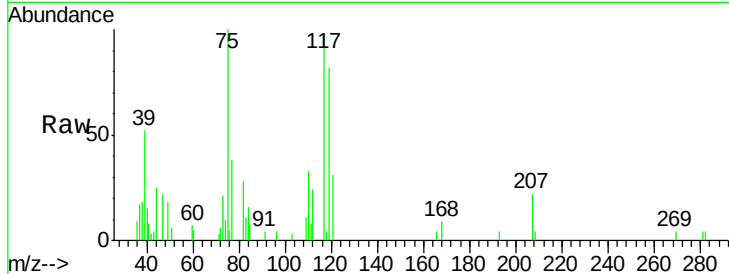
Carbon Tetrachloride
Concen: 0.953 ug/l
RT: 5.76 min Scan# 767
Delta R.T. 0.01 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	85.2	76.3	114.5
121	32.3	24.6	37.0

Manual Integrations
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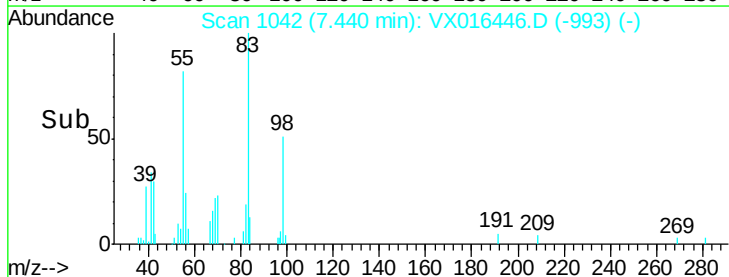
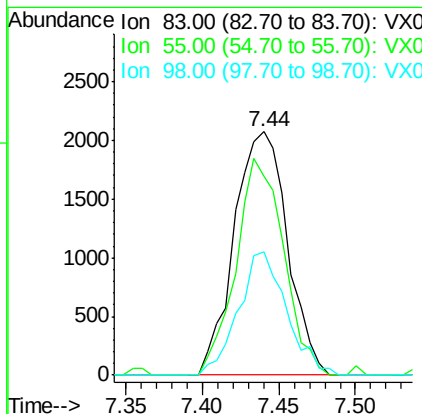
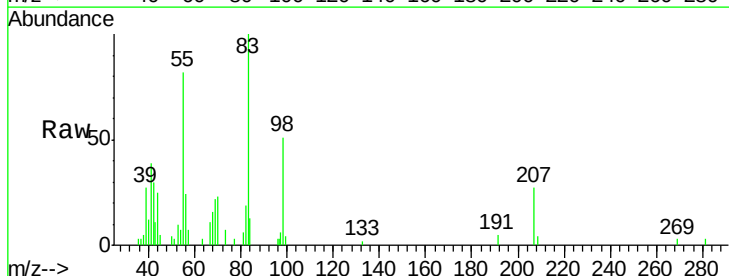
MMDadoda
5/28/2020 2:10:03 PM

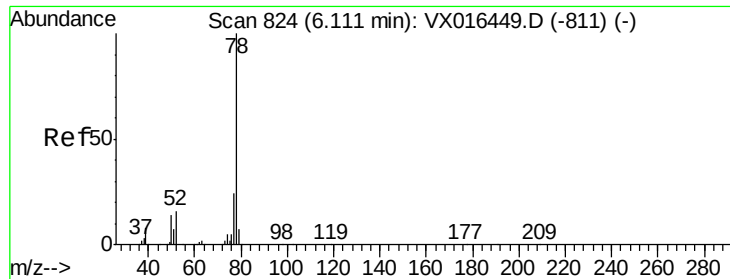


#39

Methylcyclohexane
Concen: 0.882 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.8	61.7	92.5
98	50.7	38.7	58.1





#40

Benzene

Concen: 0.930 ug/l

RT: 6.10 min Scan# 823

Delta R.T. -0.01 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 13114

Ion Ratio Lower Upper

78 100

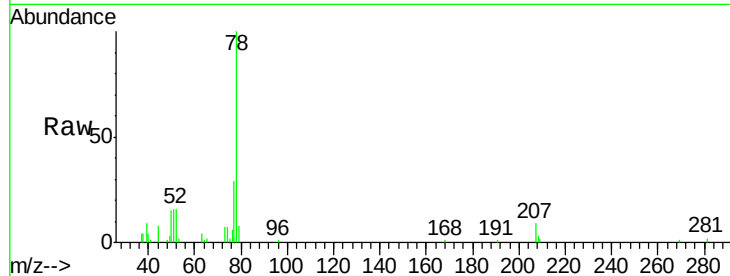
77 28.5 18.9 28.3#

Manual Integrations

APPROVED

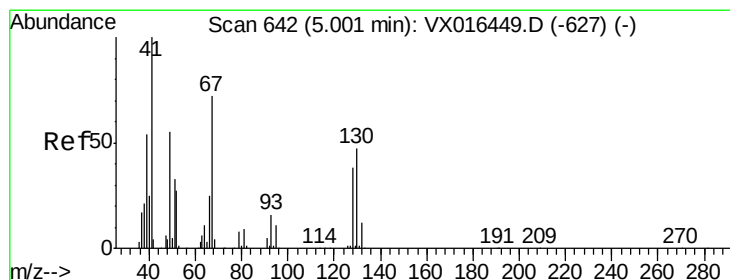
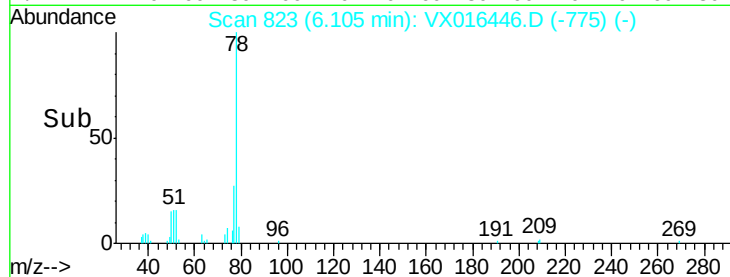
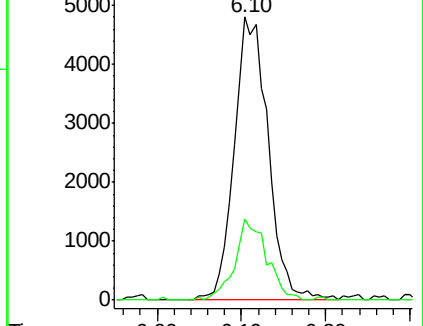
MMDadoda

5/28/2020 2:10:03 PM



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#41

Methacrylonitrile

Concen: 1.025 ug/l

RT: 5.00 min Scan# 642

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Tgt Ion: 41 Resp: 3083

Ion Ratio Lower Upper

41 100

39 58.2 43.0 64.4

67 65.4 58.9 88.3

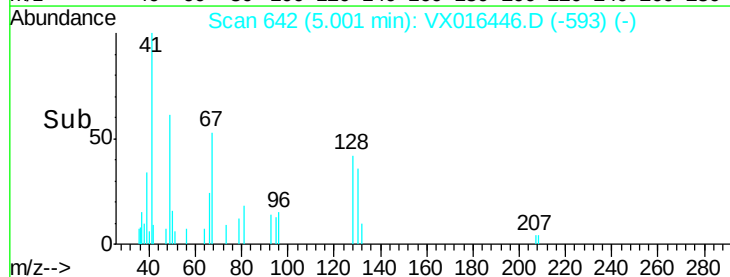
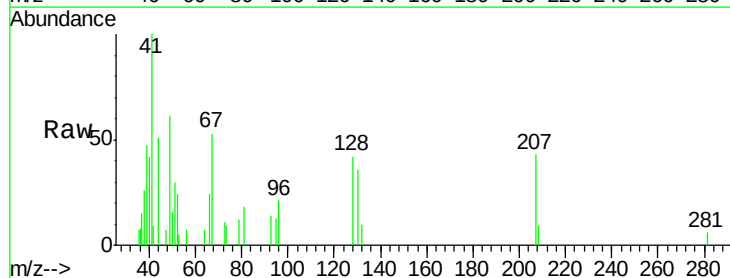
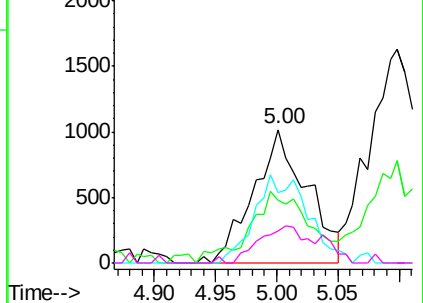
52 30.6 23.1 34.7

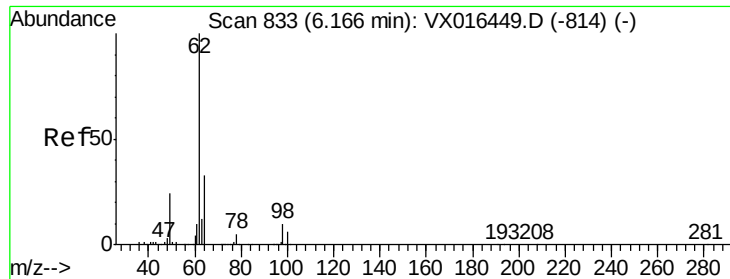
Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 0.928 ug/l

RT: 6.16 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

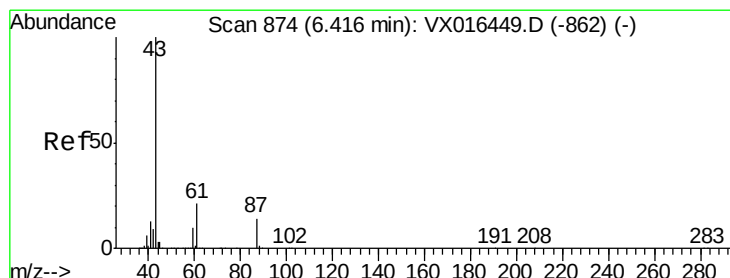
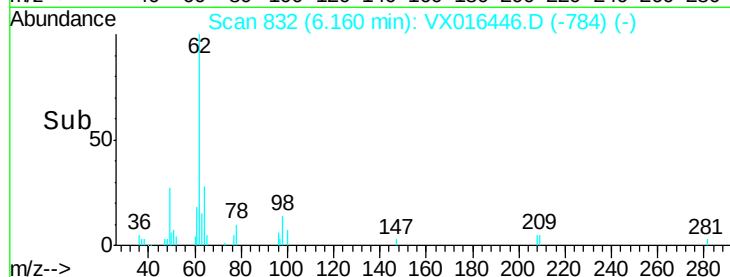
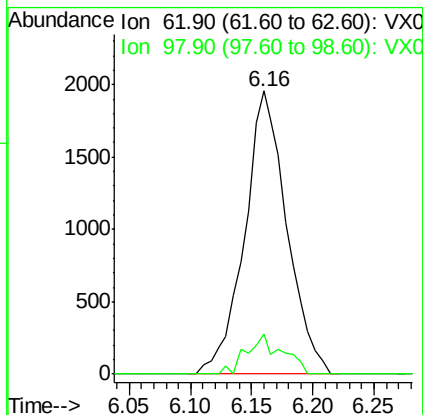
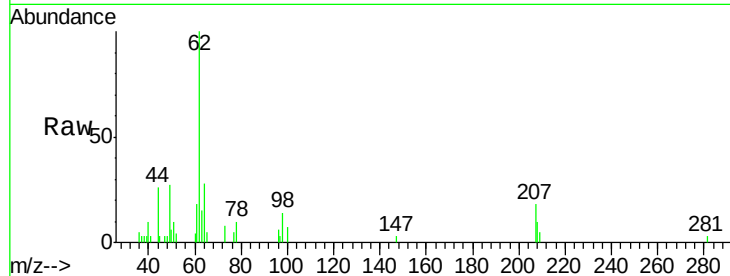
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100	4704		
98	11.8	0.0	19.8	

Manual Integrations
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#43

Isopropyl Acetate

Concen: 0.931 ug/l

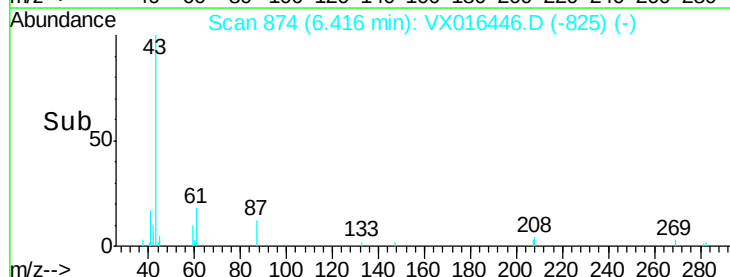
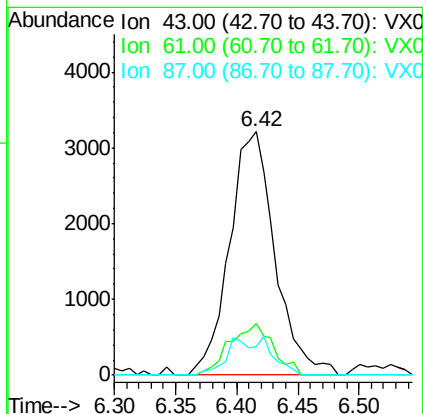
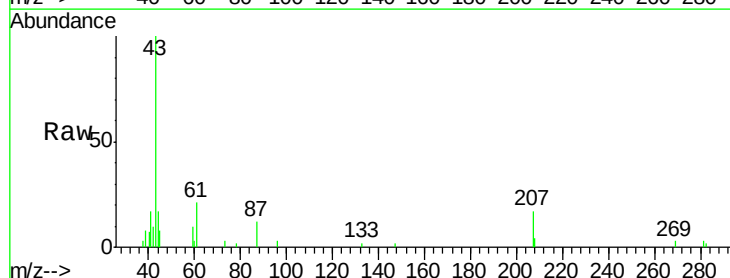
RT: 6.42 min Scan# 874

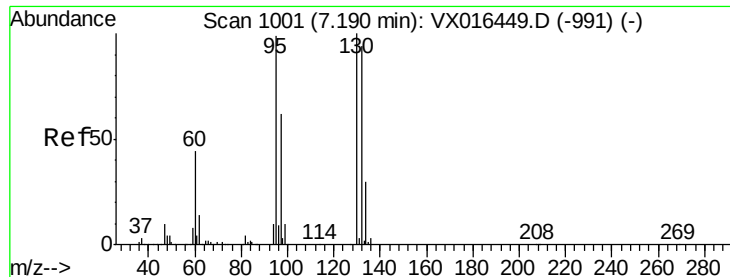
Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	8267		
61	20.4	16.8	25.2	
87	7.7	11.2	16.8#	





#44

Trichloroethene

Concen: 0.934 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 4595

Ion Ratio Lower Upper

130 100

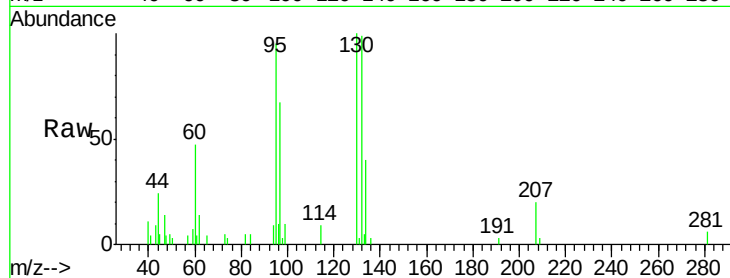
95 95.3 0.0 198.2

Manual Integrations

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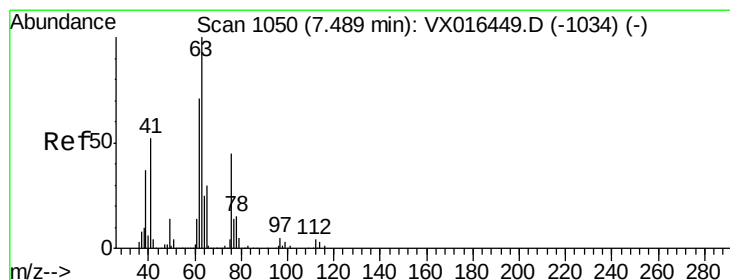
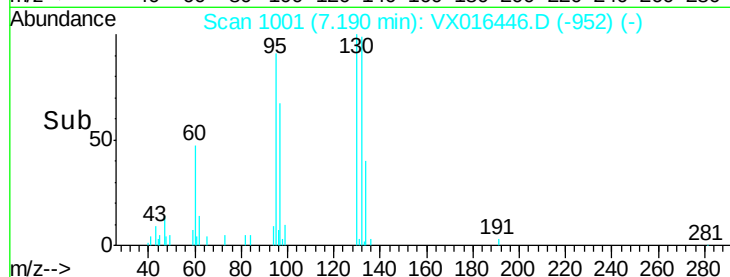
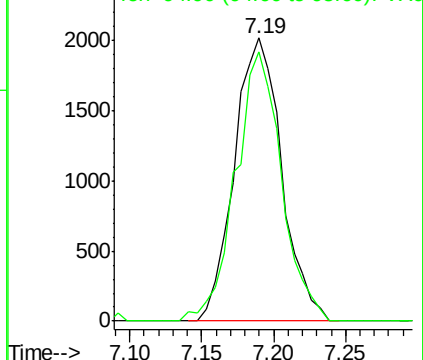
MMDadoda

5/28/2020 2:10:03 PM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#45

1,2-Dichloropropane

Concen: 0.931 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX016446.D

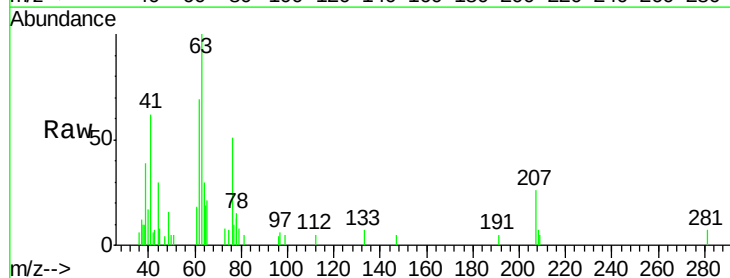
Acq: 27 May 2020 14:20

Tgt Ion: 63 Resp: 3315

Ion Ratio Lower Upper

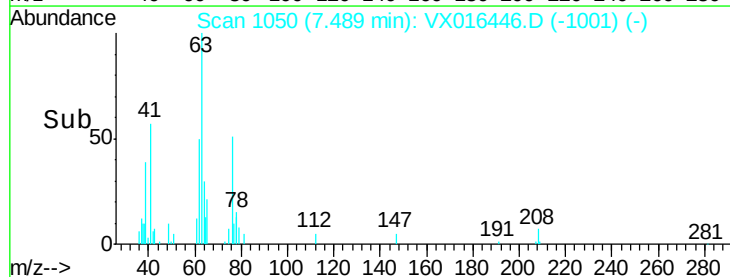
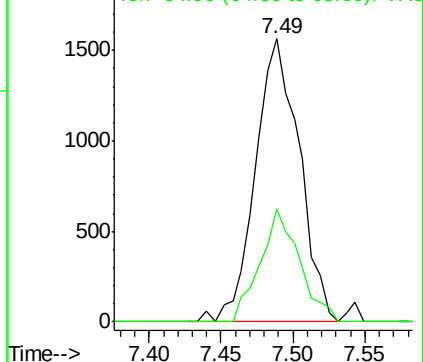
63 100

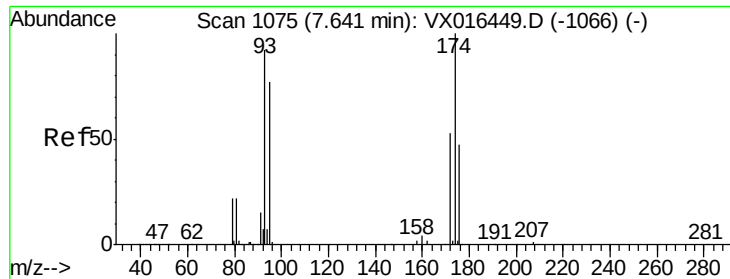
65 39.9 24.2 36.2#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





#46

Dibromomethane

Concen: 0.906 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

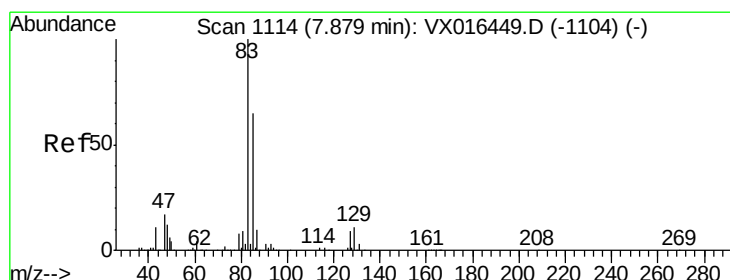
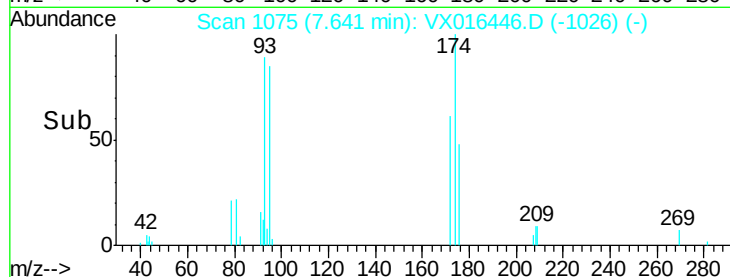
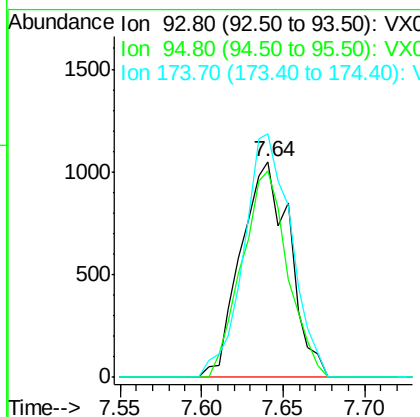
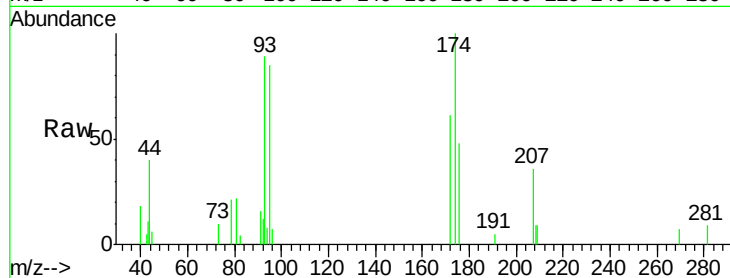
ClientSampleId :

VSTDIC001

Tot Ion:	93	Resp:	2193
Ion	Ratio	Lower	Upper
93	100		
95	89.6	66.6	100.0
174	109.1	86.2	129.4

Manual Integrations
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5/28/2020 2:10:03 PM



#47

Bromodichloromethane

Concen: 0.906 ug/l

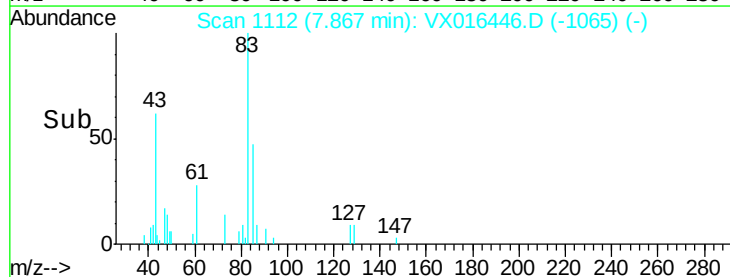
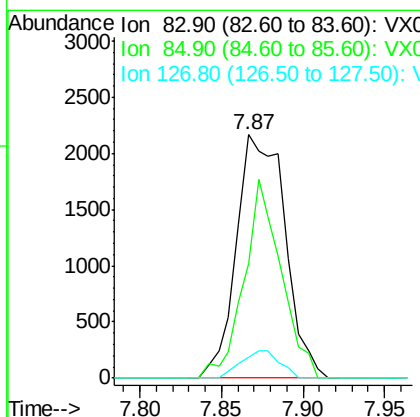
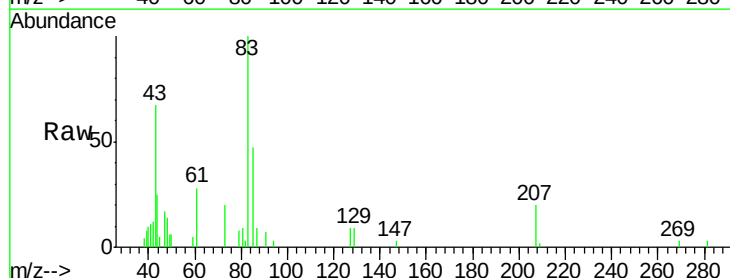
RT: 7.87 min Scan# 1112

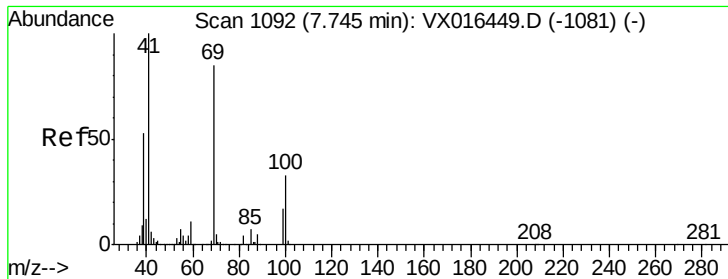
Delta R.T. -0.01 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Tgt Ion:	83	Resp:	4468
Ion	Ratio	Lower	Upper
83	100		
85	46.7	52.0	78.0#
127	8.8	7.4	11.0





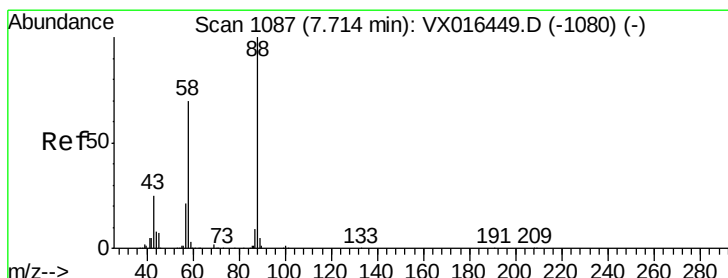
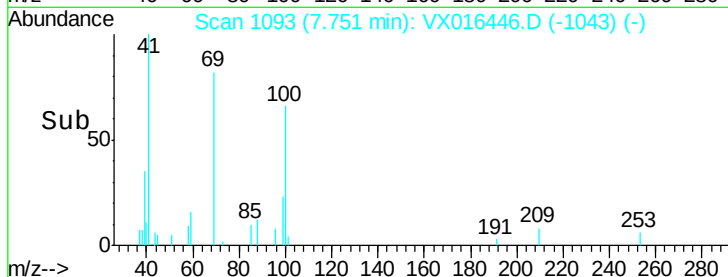
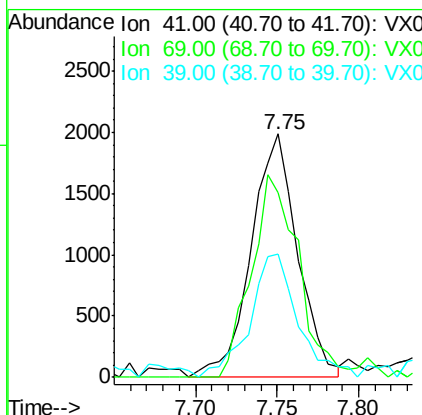
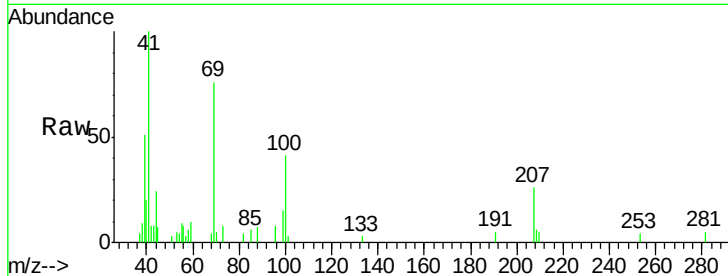
#48
Methvl methacrylate
Concen: 0.928 ug/l
RT: 7.75 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	84.2	68.6	102.8
39	52.4	42.4	63.6

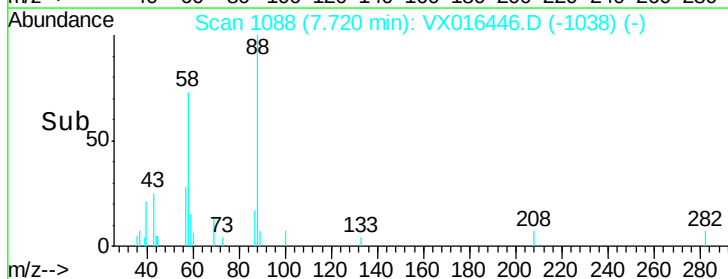
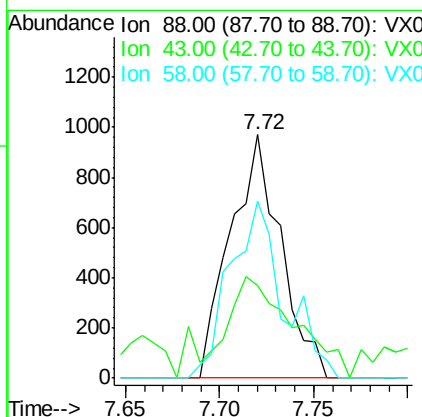
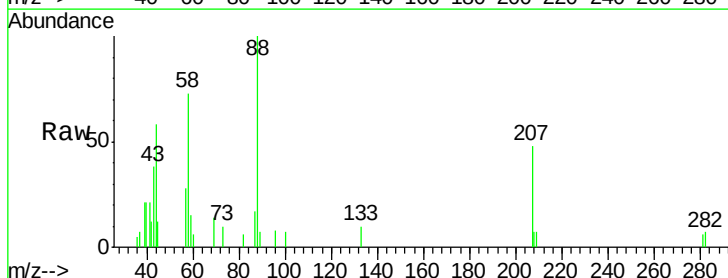
Manual Integrations
APPROVED

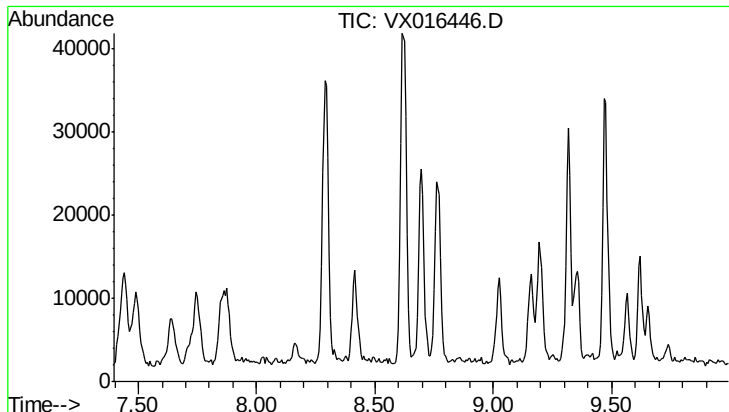
MMDadoda
5/28/2020 2:10:03 PM



#49
1,4-Dioxane
Concen: 17.788 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

Tgt Ion	Ratio	Lower	Upper
88	100		
43	54.7	24.2	36.4#
58	77.2	56.5	84.7





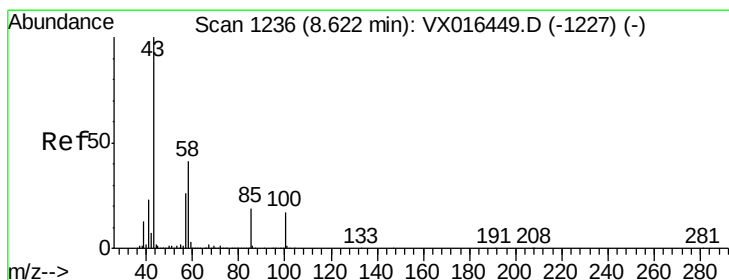
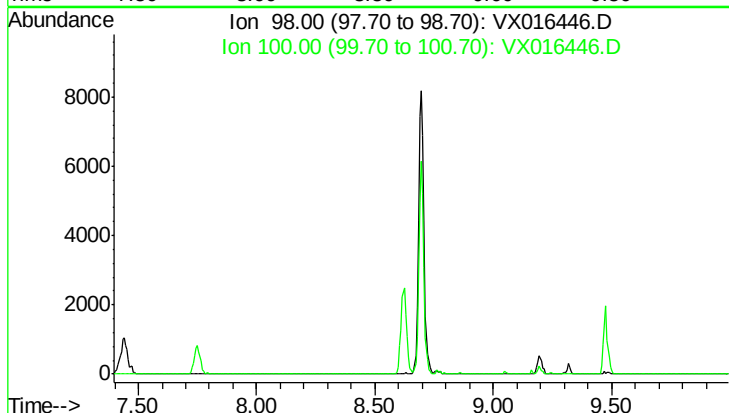
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.70 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

Tot Ion: 98
Sig Exp Ratio
98 100
100 67.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

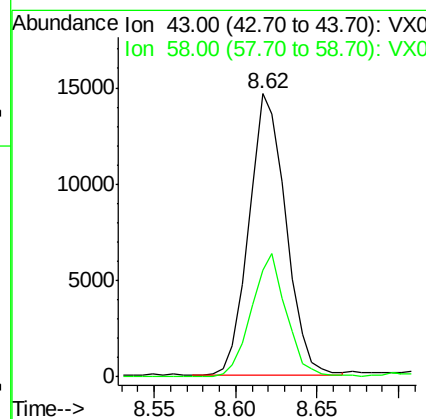
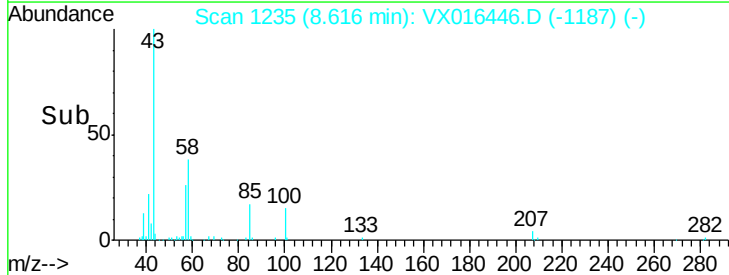
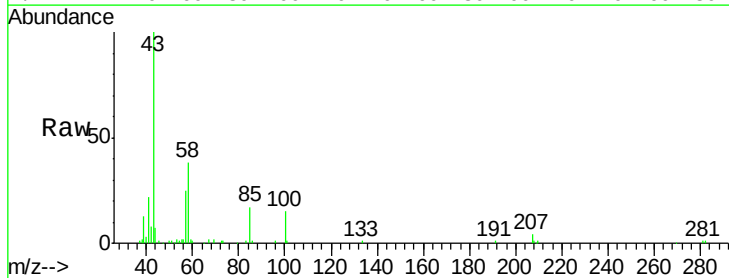
Manual Integrations
APPROVED

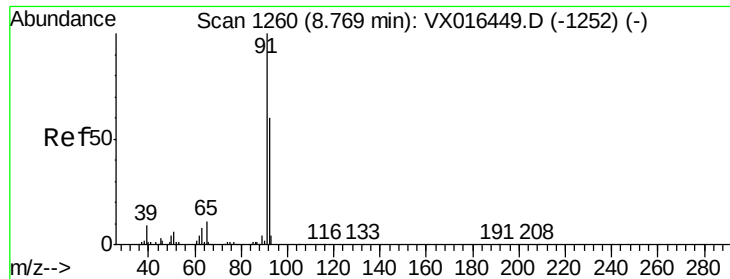
MMDadoda
5/28/2020 2:10:03 PM



#51
4-Methyl-2-Pentanone
Concen: 4.239 ug/l
RT: 8.62 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

Tgt Ion: 43 Resp: 23116
Ion Ratio Lower Upper
43 100
58 41.3 33.0 49.6





#52

Toluene

Concen: 0.915 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 8038

Ion Ratio Lower Upper

92 100

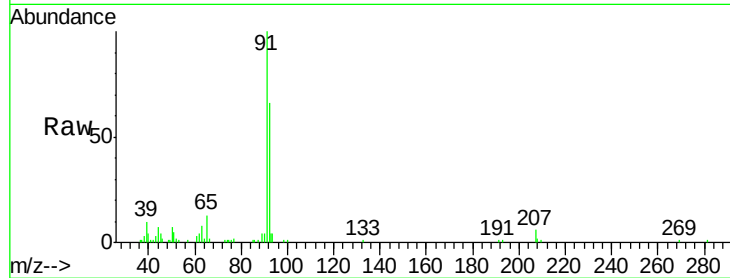
91 165.1 135.0 202.4

Manual Integrations

APPROVED

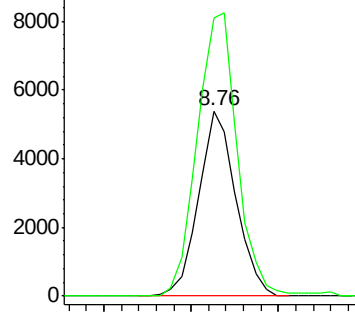
MMDadoda

5/28/2020 2:10:03 PM

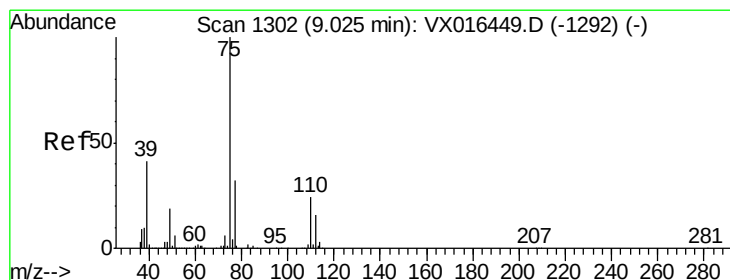
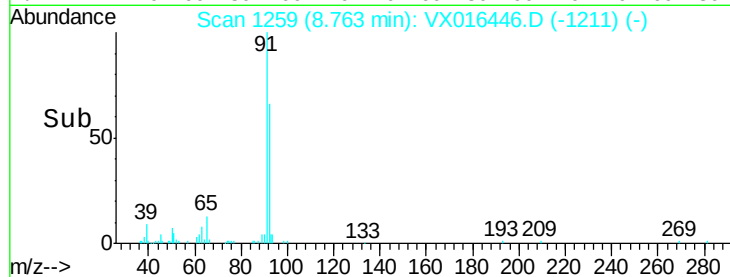


Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->



#53

t-1,3-Dichloropropene

Concen: 0.833 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX016446.D

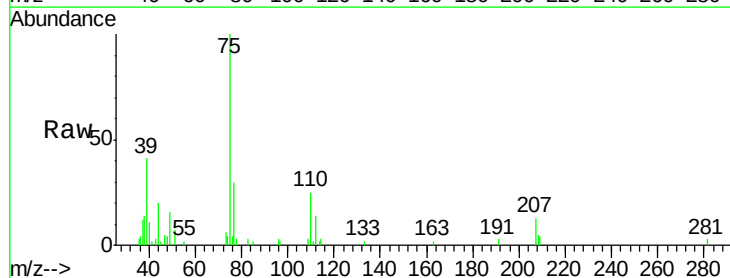
Acq: 27 May 2020 14:20

Tgt Ion: 75 Resp: 4882

Ion Ratio Lower Upper

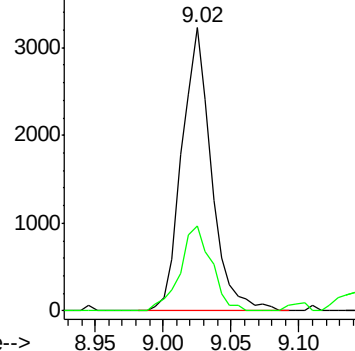
75 100

77 30.0 25.5 38.3

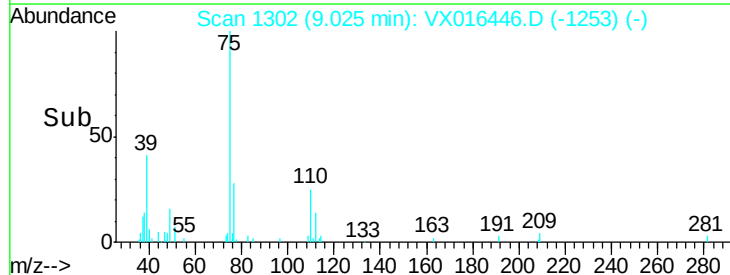


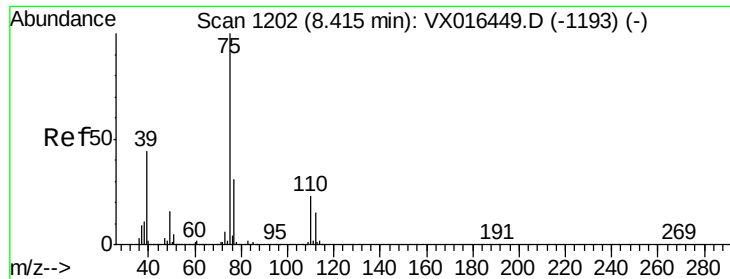
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



Time-->





#54

cis-1,3-Dichloropropene

Concen: 0.872 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

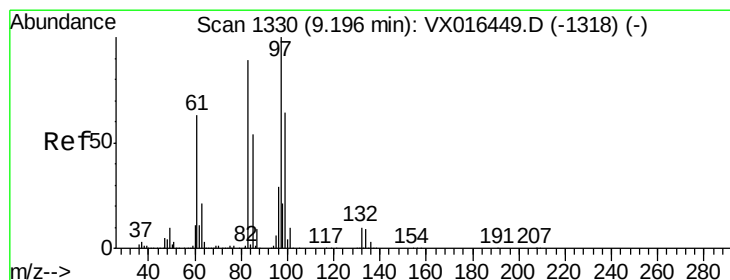
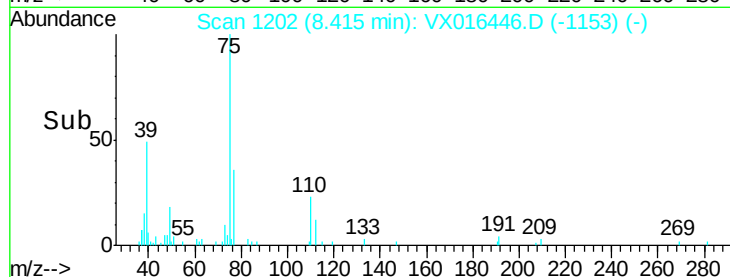
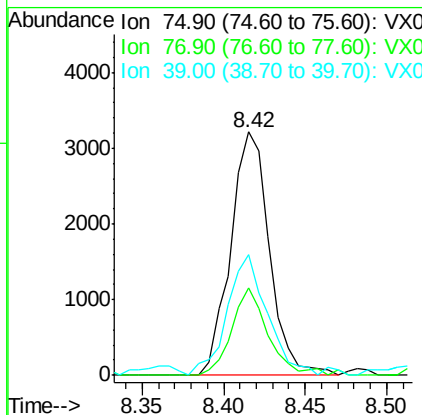
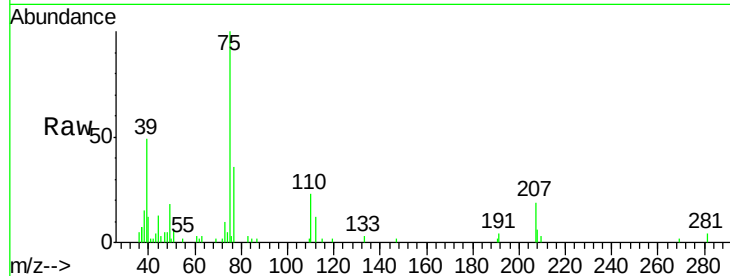
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	5340
Ion	Ratio	Lower	Upper
75	100		
77	36.0	24.6	36.8
39	49.4	35.3	52.9

Manual Integrations
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5/28/2020 2:10:03 PM



#55

1,1,2-Trichloroethane

Concen: 0.923 ug/l

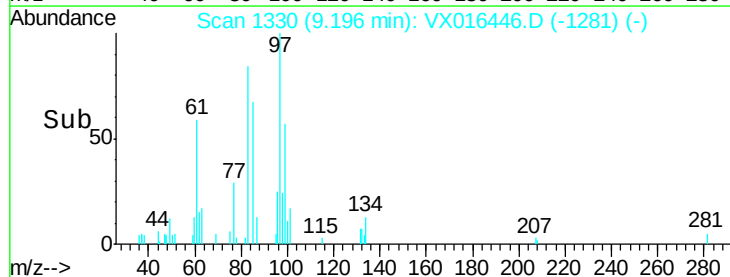
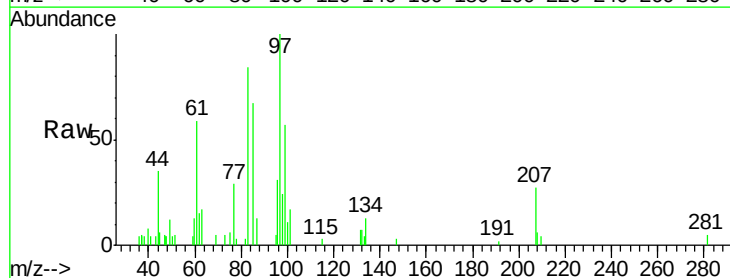
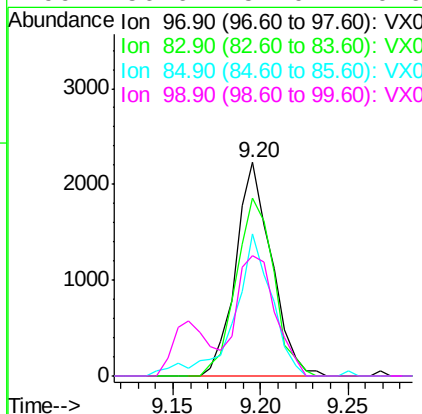
RT: 9.20 min Scan# 1330

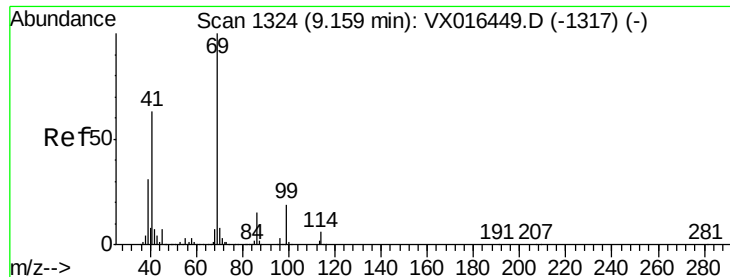
Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Tgt Ion:	97	Resp:	3187
Ion	Ratio	Lower	Upper
97	100		
83	83.6	70.9	106.3
85	66.5	43.4	65.2#
99	56.6	51.0	76.6





#56

Ethyl methacrylate

Concen: 0.845 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

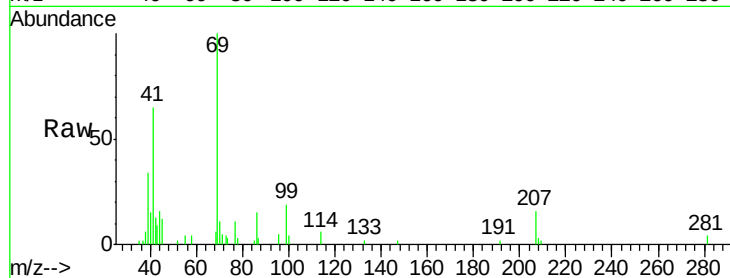
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	4778
Ion	Ratio	Lower	Upper
69	100		
41	62.0	50.7	76.1
39	33.5	25.8	38.6

Manual Integrations
APPROVED

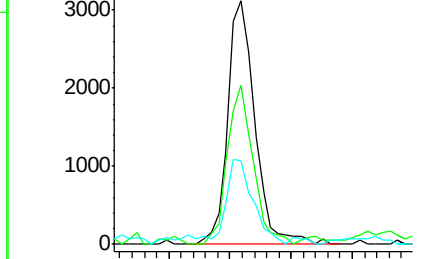
MMDadoda
5/28/2020 2:10:03 PM



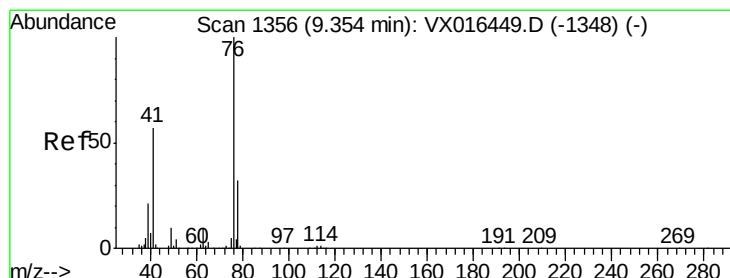
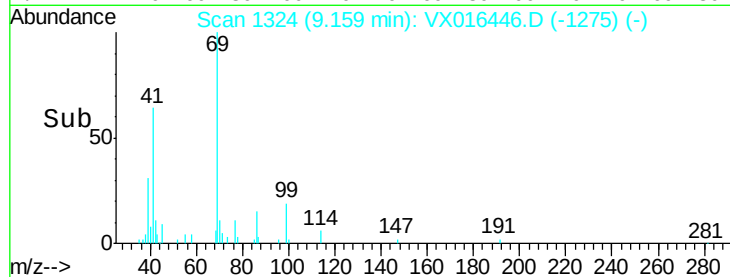
Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



Time-->



#57

1,3-Dichloropropane

Concen: 0.884 ug/l

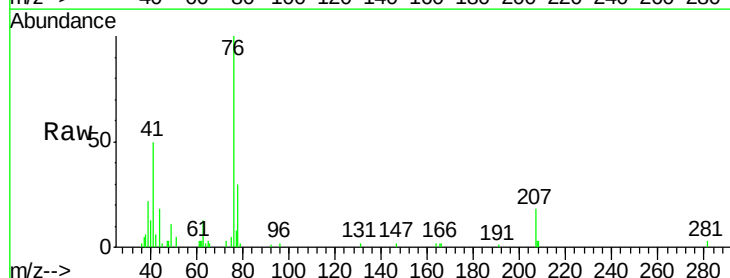
RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX016446.D

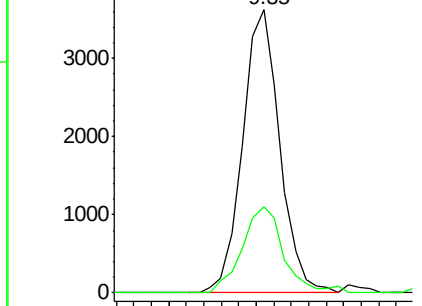
Acq: 27 May 2020 14:20

Tgt Ion:	76	Resp:	5334
Ion	Ratio	Lower	Upper
76	100		
78	34.0	26.2	39.4

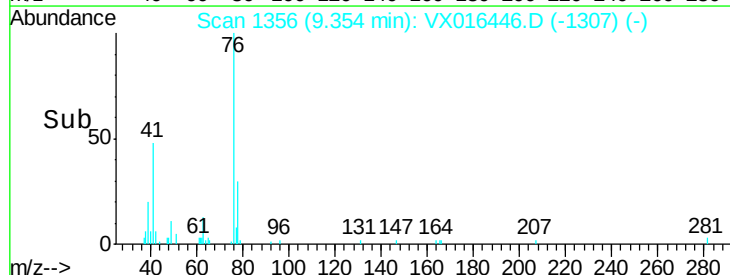


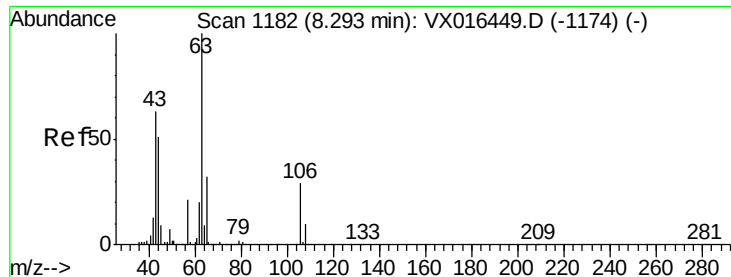
Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->





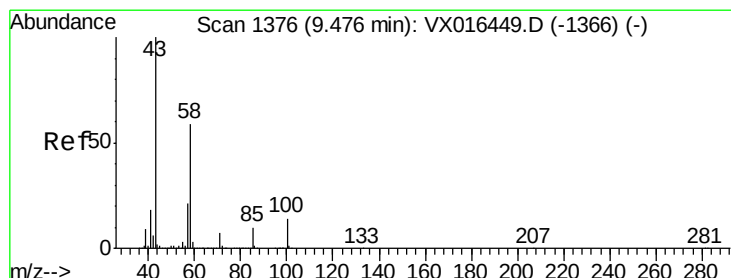
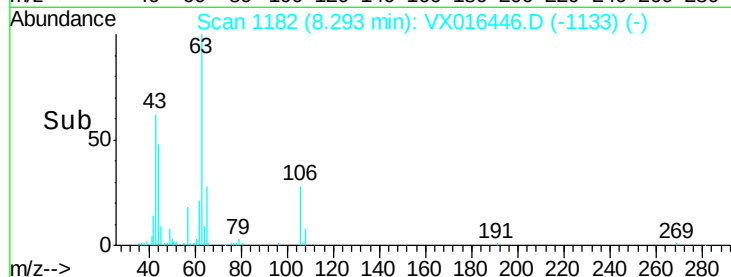
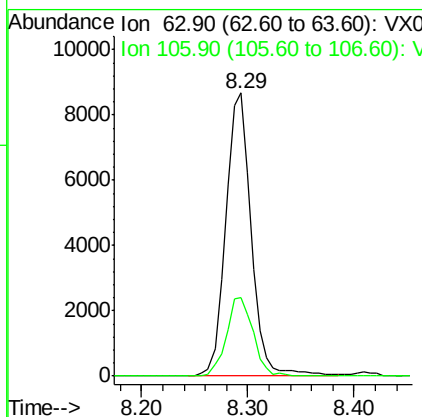
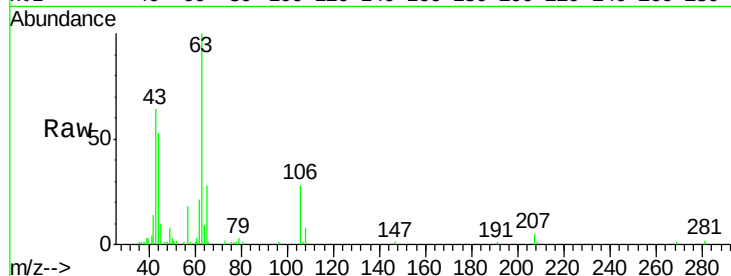
#58
 2-Chloroethyl Vinyl ether
 Concen: 4.867 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VX016446.D
 Acq: 27 May 2020 14:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion: 63 Resp: 14557
 Ion Ratio Lower Upper
 63 100
 106 29.0 23.2 34.8

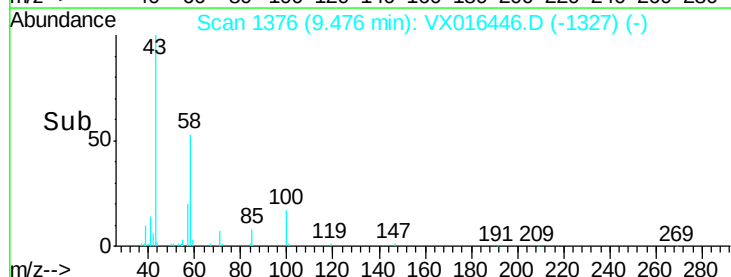
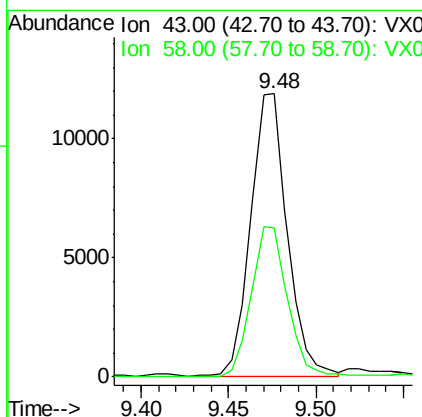
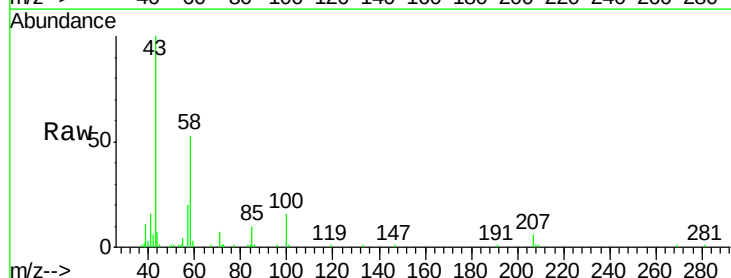
Manual Integrations
 APPROVED

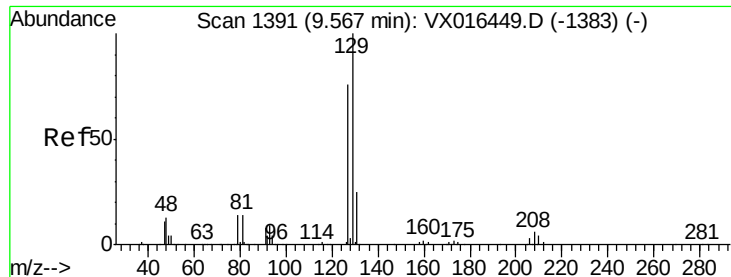
MMDadoda
 5/28/2020 2:10:03 PM



#59
 2-Hexanone
 Concen: 4.046 ug/l
 RT: 9.48 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VX016446.D
 Acq: 27 May 2020 14:20

Tgt Ion: 43 Resp: 17353
 Ion Ratio Lower Upper
 43 100
 58 52.3 28.8 86.4





#60

Dibromochloromethane

Concen: 0.869 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 3320

Ion Ratio Lower Upper

129 100

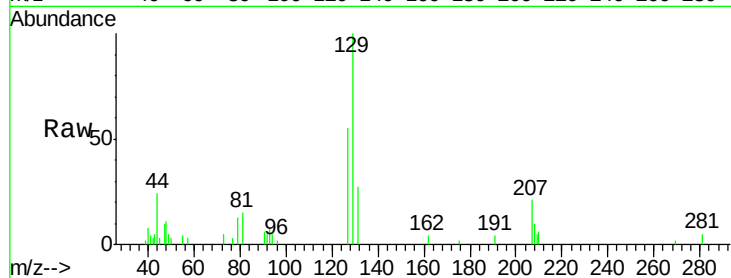
127 76.0 38.6 116.0

Manual Integrations

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5/28/2020 2:10:03 PM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.57

3000

2500

2000

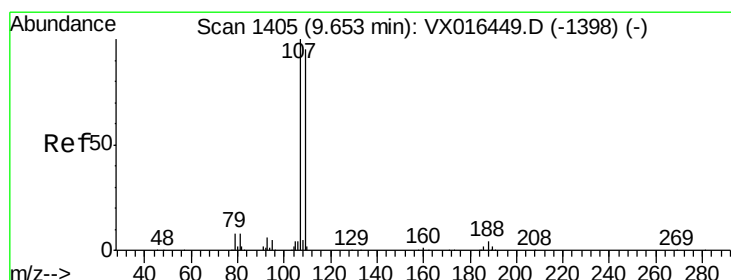
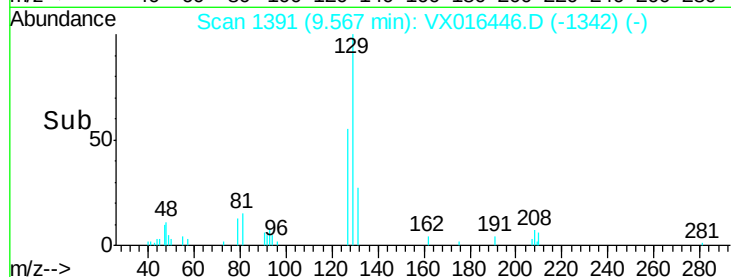
1500

1000

500

0

Time--> 9.50 9.55 9.60



#61

1,2-Dibromoethane

Concen: 0.895 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX016446.D

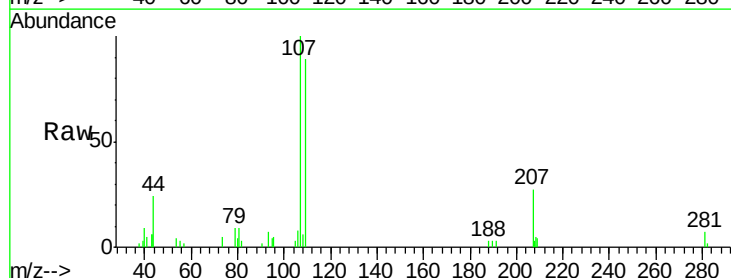
Acq: 27 May 2020 14:20

Tgt Ion:107 Resp: 3339

Ion Ratio Lower Upper

107 100

109 91.6 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

2500

2000

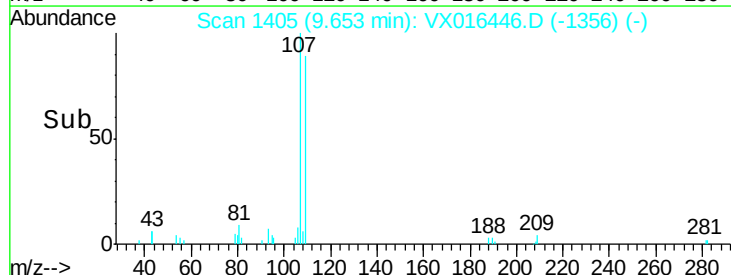
1500

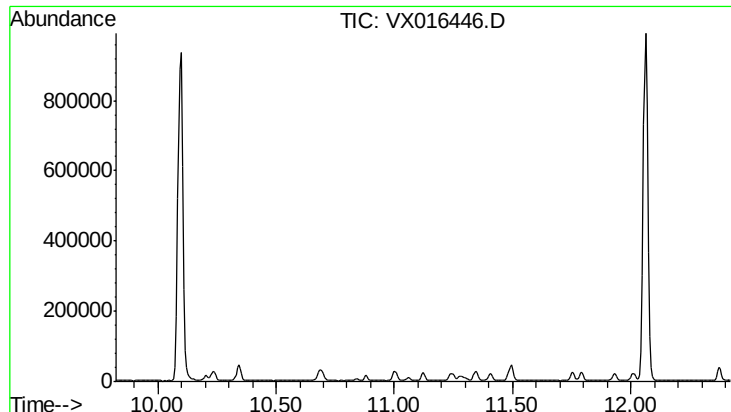
1000

500

0

Time--> 9.60 9.65 9.70





#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 11.12 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Tot Ion: 95

Sig Exp Ratio

95 100

174 81.5

176 78.4

Instrument :

MSVOA_X

ClientSampleId :

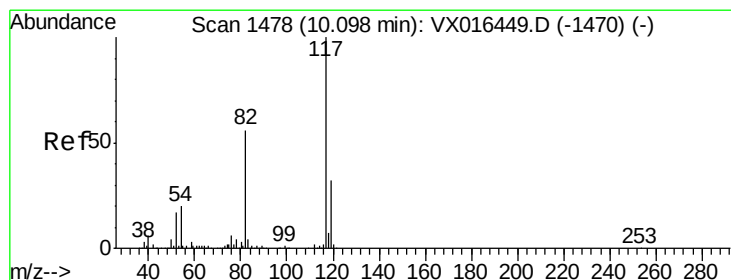
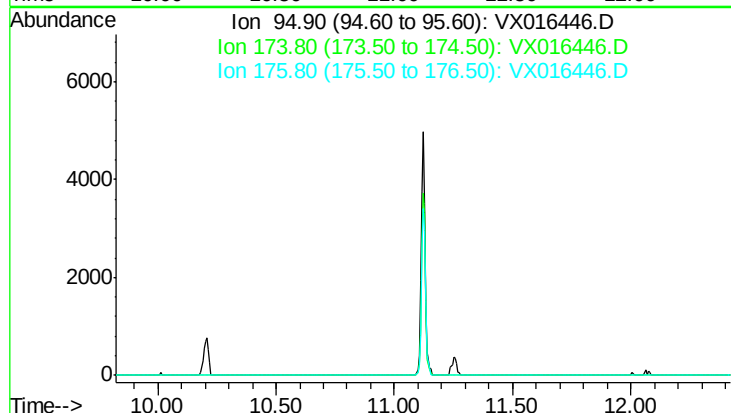
VSTDIC001

Manual Integrations

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MMDadoda

5/28/2020 2:10:03 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

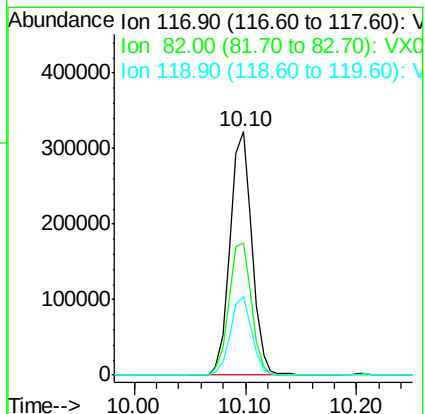
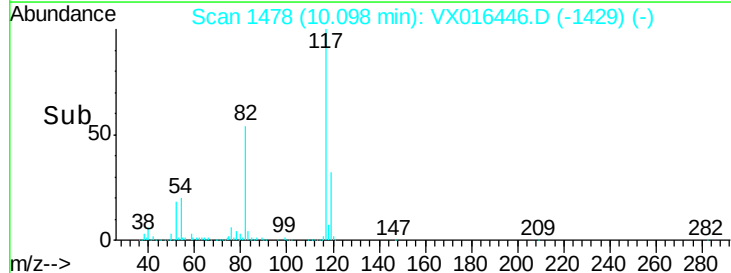
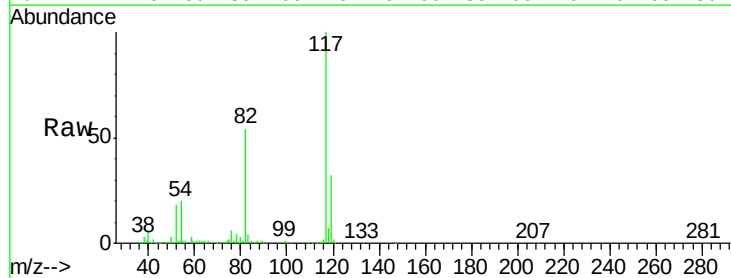
Tgt Ion: 117 Resp: 437025

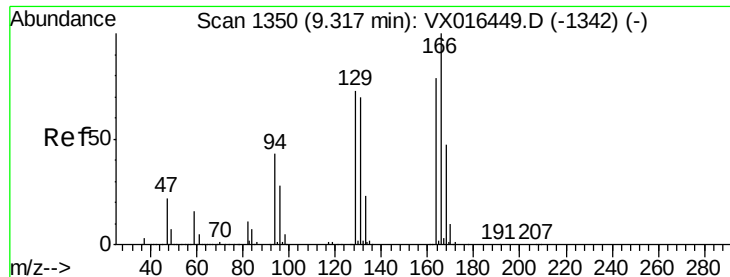
Ion Ratio Lower Upper

117 100

82 54.4 45.0 67.6

119 32.3 25.8 38.8





#64

Tetrachloroethene

Concen: 0.988 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 5248

Ion Ratio Lower Upper

164 100

166 126.2 100.9 151.3

129 90.0 73.2 109.8

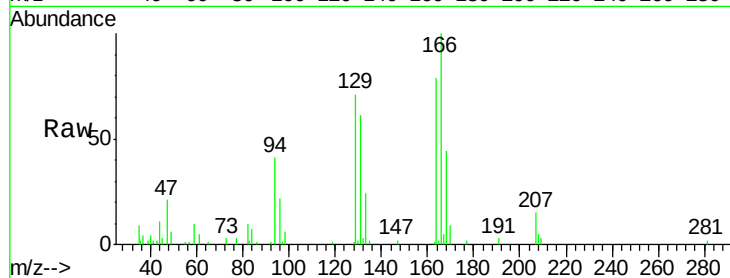
131 76.9 70.8 106.2

Manual Integrations

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MMDadoda

5/28/2020 2:10:03 PM

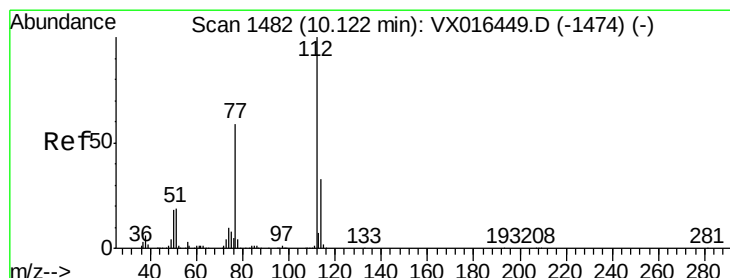
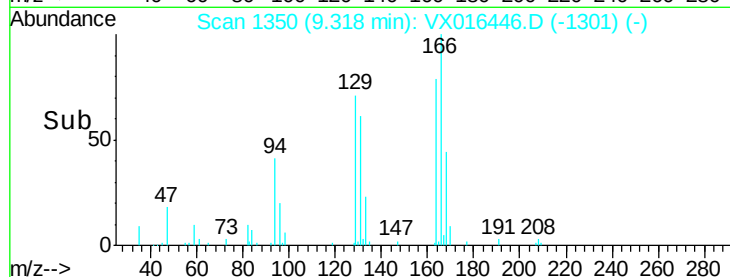
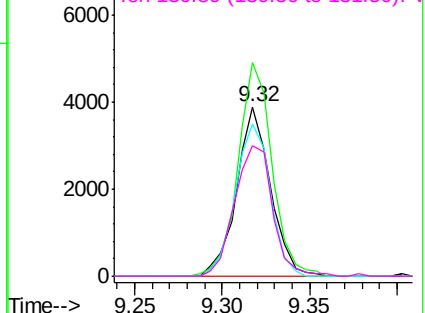


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 0.944 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX016446.D

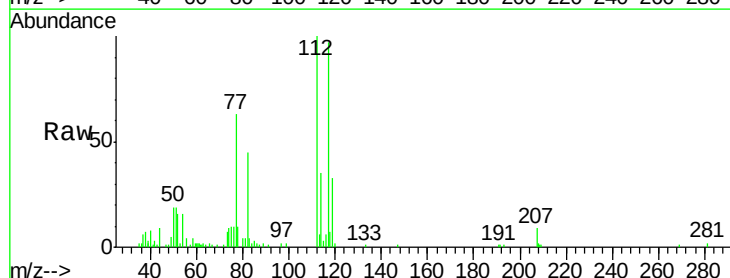
Acq: 27 May 2020 14:20

Tgt Ion:112 Resp: 8657

Ion Ratio Lower Upper

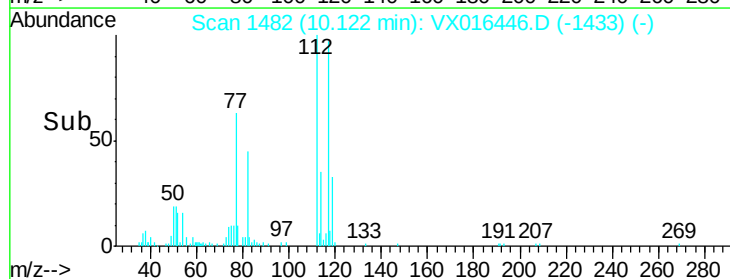
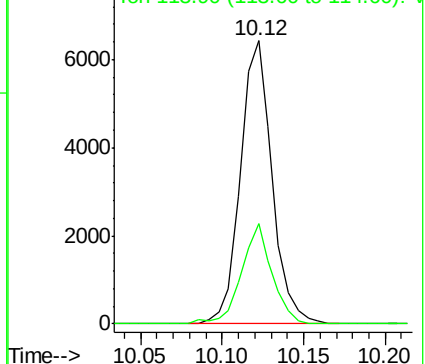
112 100

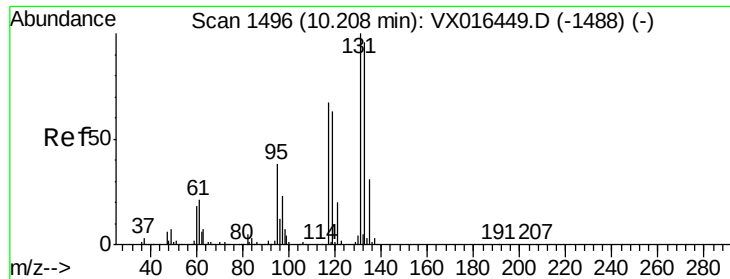
114 35.4 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 0.959 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. -0.01 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

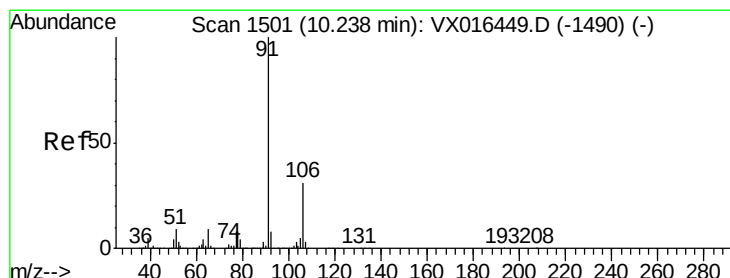
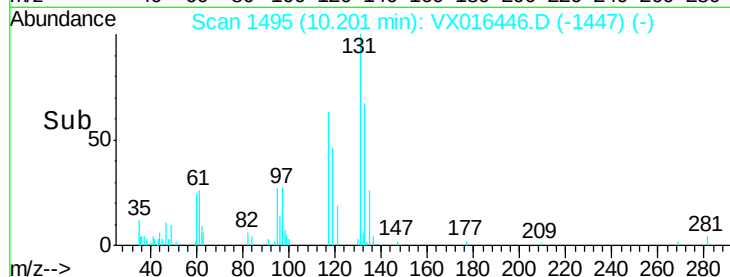
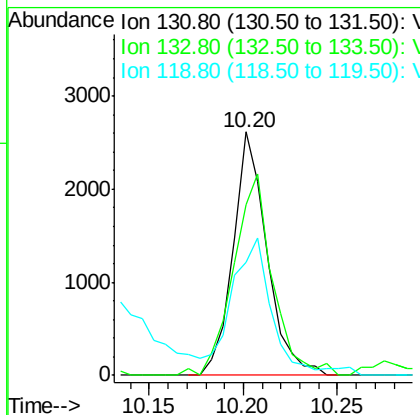
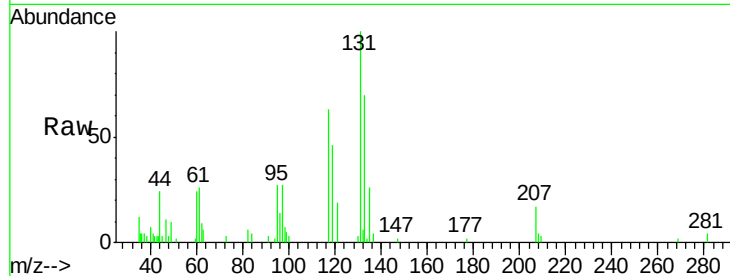
ClientSampleId :

VSTDIC001

Tot Ion:	131	Resp:	3255
Ion	Ratio	Lower	Upper
131	100		
133	95.4	48.4	145.3
119	0.0	32.0	96.2#

Manual Integrations
APPROVED

MMDadoda
5/28/2020 2:10:03 PM



#67

Ethyl Benzene

Concen: 0.912 ug/l

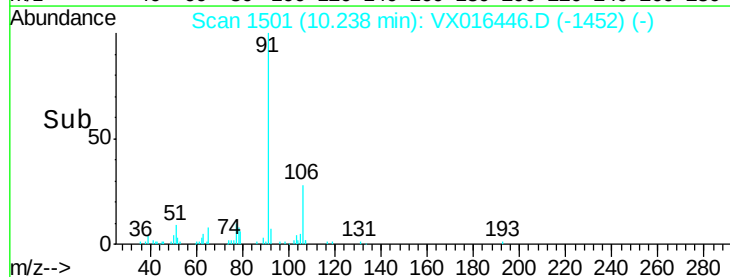
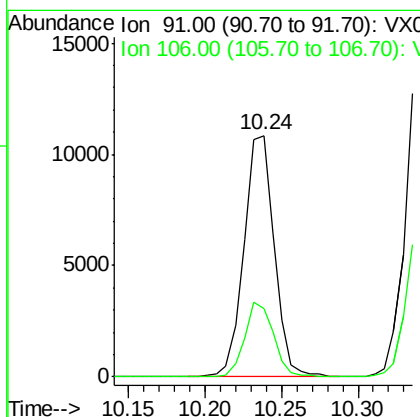
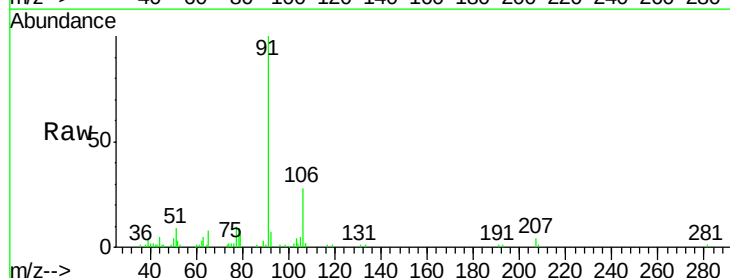
RT: 10.24 min Scan# 1501

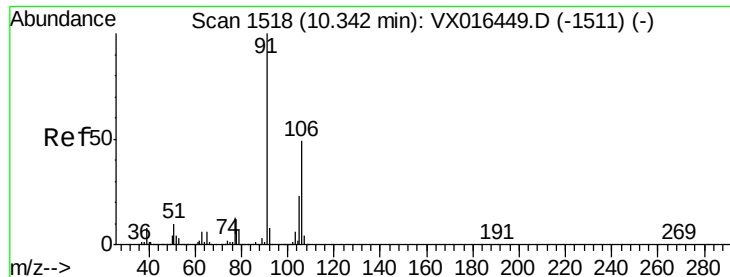
Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Tgt Ion:	91	Resp:	14912
Ion	Ratio	Lower	Upper
91	100		
106	28.3	25.0	37.4





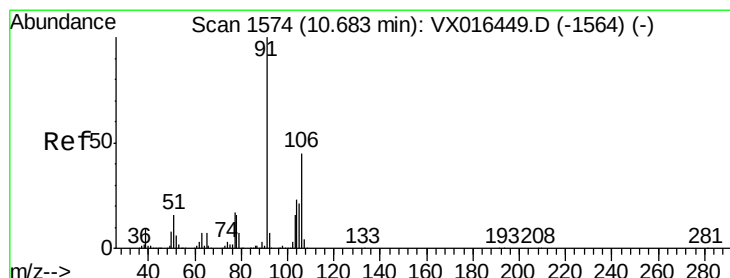
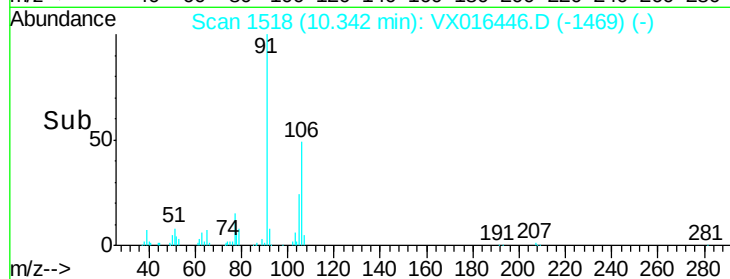
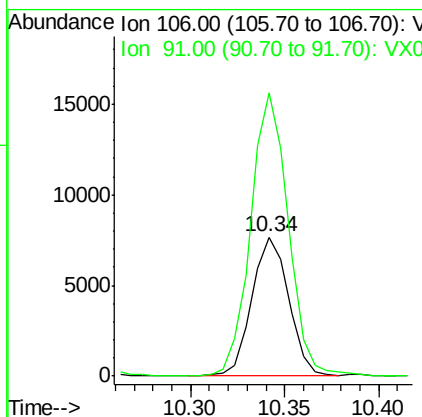
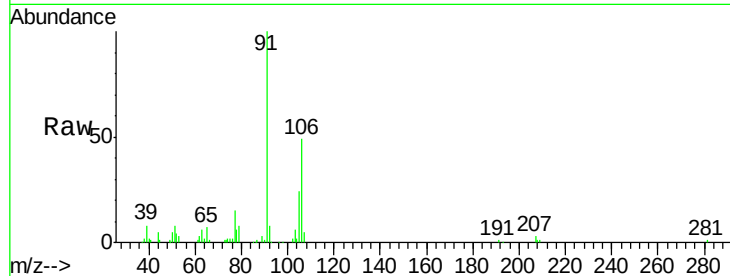
#68
m/p-Xylenes
Concen: 1.710 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	205.9	163.8	245.8	

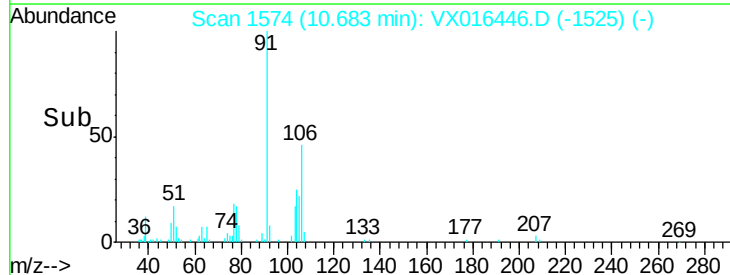
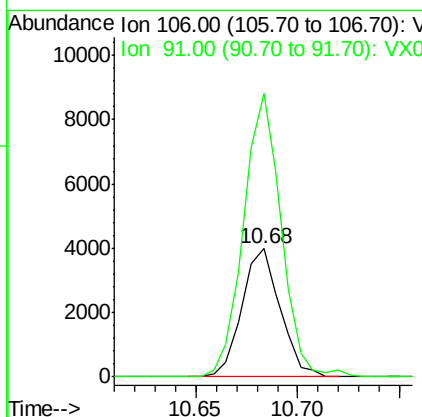
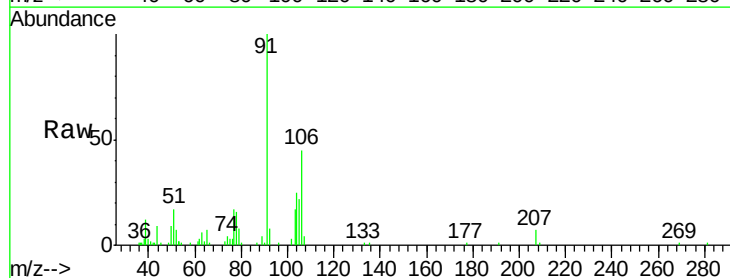
Manual Integrations
APPROVED

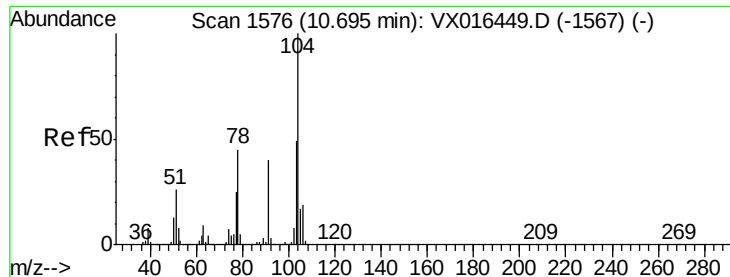
MMDadoda
5/28/2020 2:10:03 PM



#69
o-Xylene
Concen: 0.881 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	218.8	109.6	328.8	





#70

Stvrene

Concen: 0.829 ug/l

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

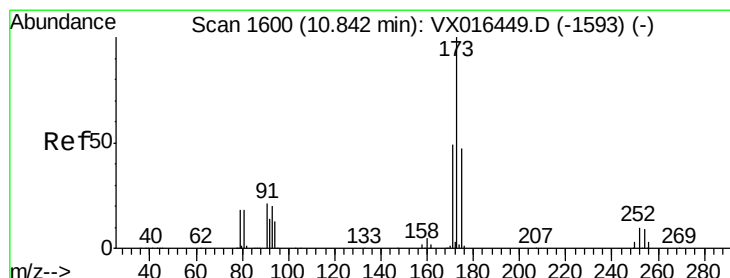
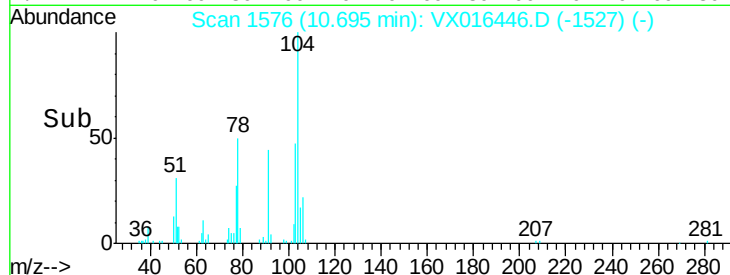
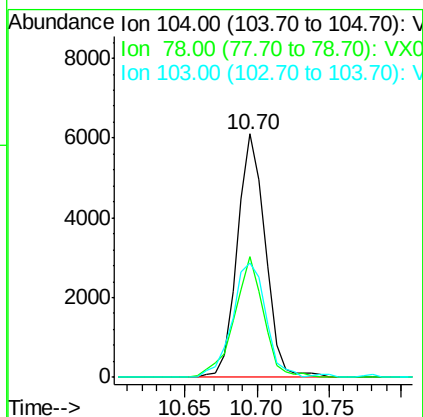
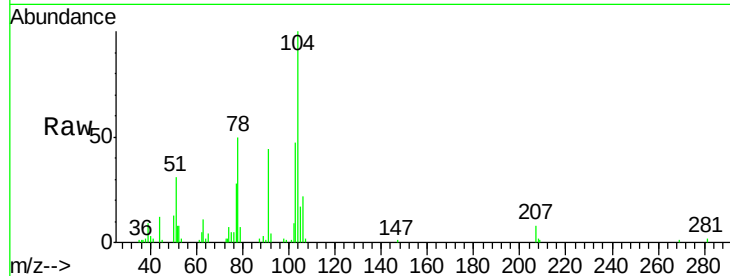
ClientSampleId :

VSTDIC001

Tot Ion:	104	Resp:	8297
Ion Ratio	Lower	Upper	
104	100		
78	52.2	40.2	60.2
103	56.3	43.1	64.7

Manual Integrations
APPROVED

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#71

Bromoform

Concen: 0.879 ug/l

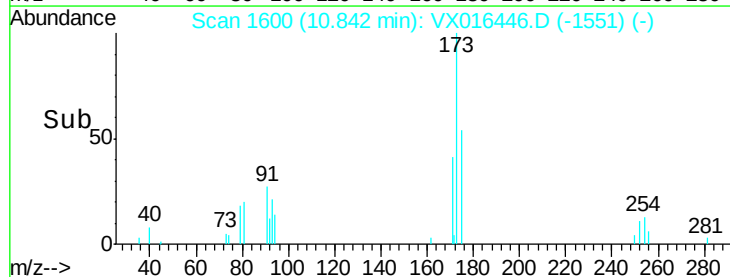
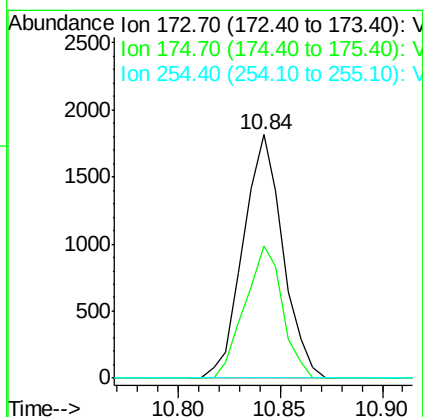
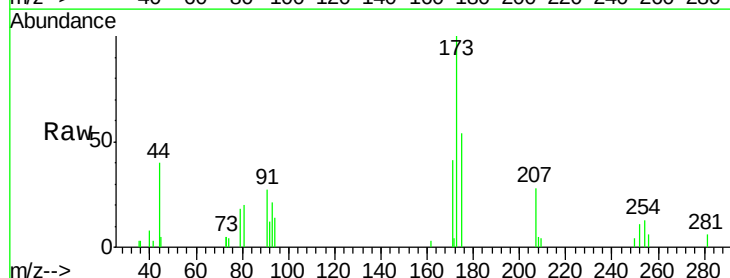
RT: 10.84 min Scan# 1600

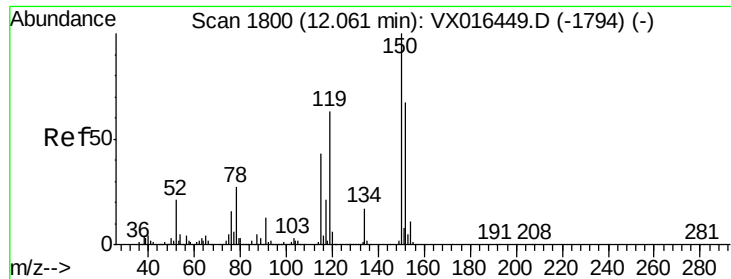
Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Tgt Ion:	173	Resp:	2452
Ion Ratio	Lower	Upper	
173	100		
175	51.3	23.9	71.7
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

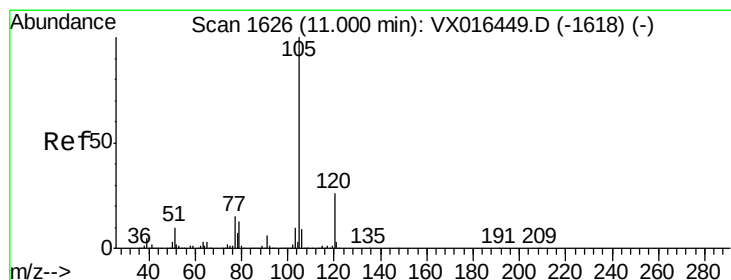
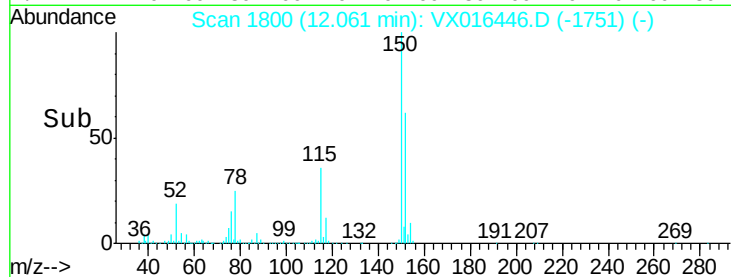
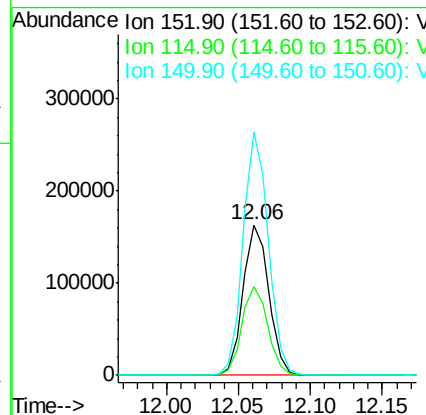
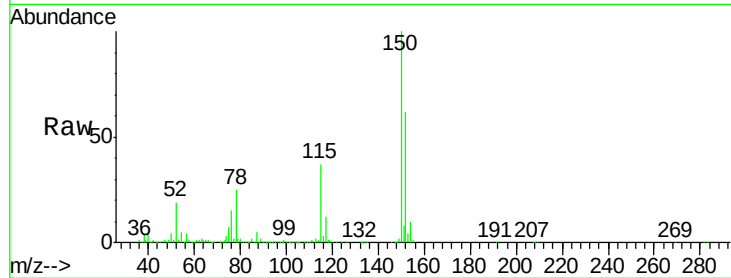
ClientSampleId :

VSTDIC001

Tot Ion:	152	Resp:	202964
Ion Ratio	Lower	Upper	
152	100		
115	59.5	39.9	119.6
150	159.0	0.0	341.0

Manual Integrations
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#73

Isopropylbenzene

Concen: 0.905 ug/l

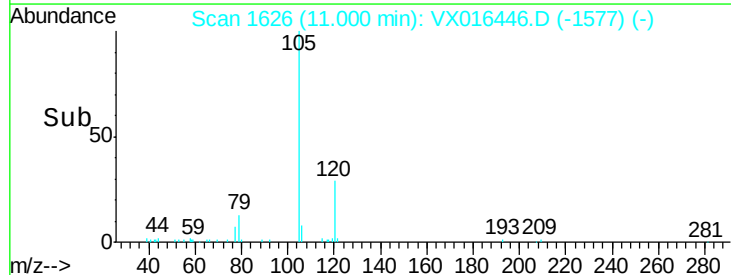
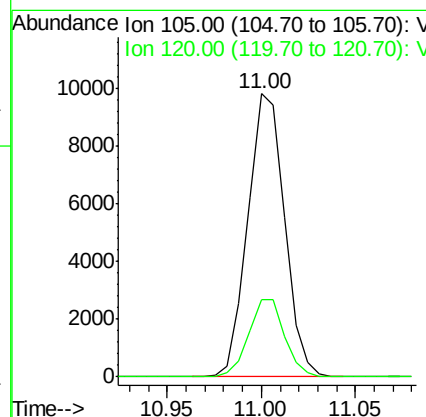
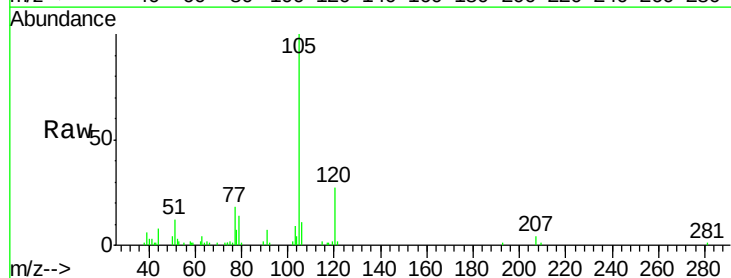
RT: 11.00 min Scan# 1626

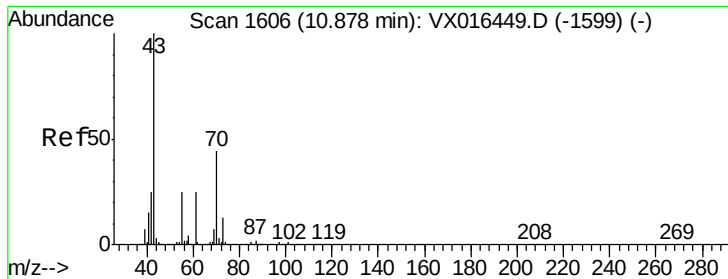
Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Tgt Ion:	105	Resp:	13316
Ion Ratio	Lower	Upper	
105	100		
120	26.7	13.1	39.3





#74

N-amvl acetate

Concen: 0.857 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

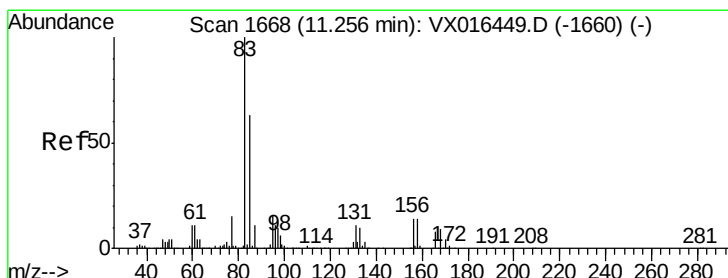
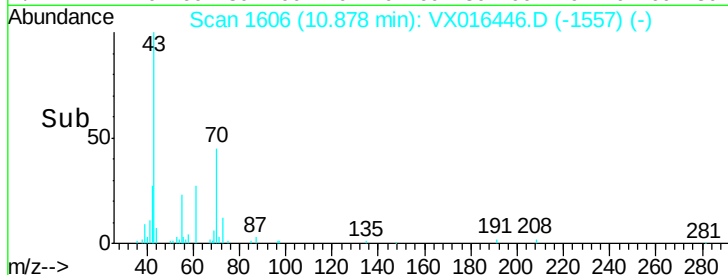
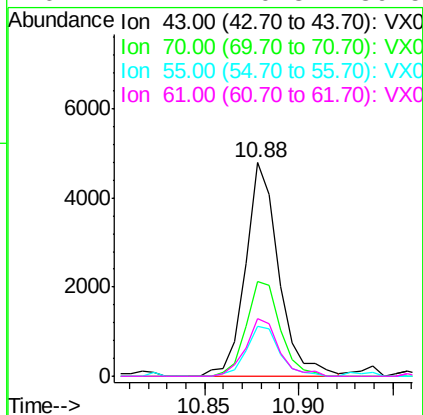
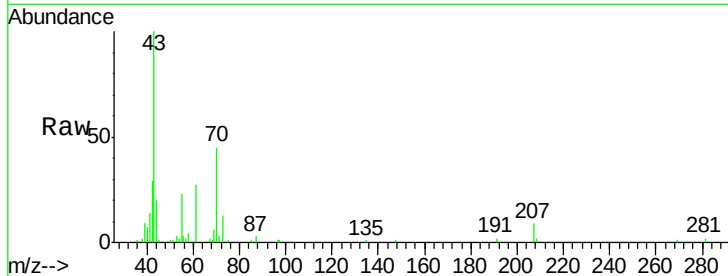
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	5884
Ion	Ratio	Lower	Upper
43	100		
70	45.6	36.1	54.1
55	23.2	20.2	30.4
61	27.1	20.3	30.5

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 1.102 ug/l

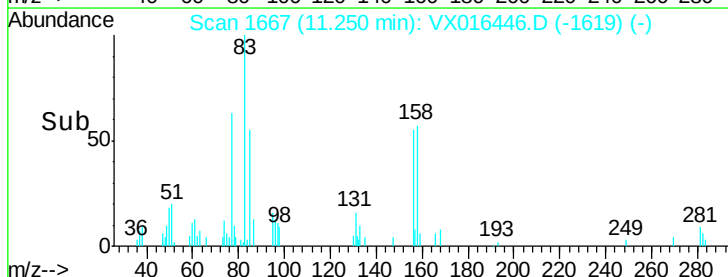
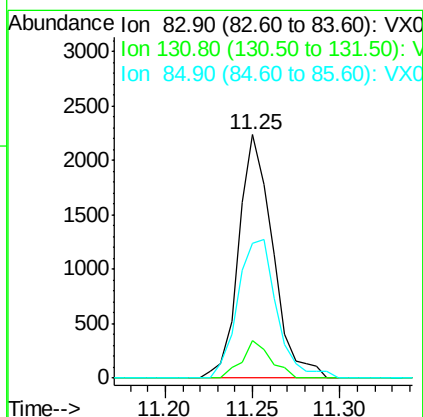
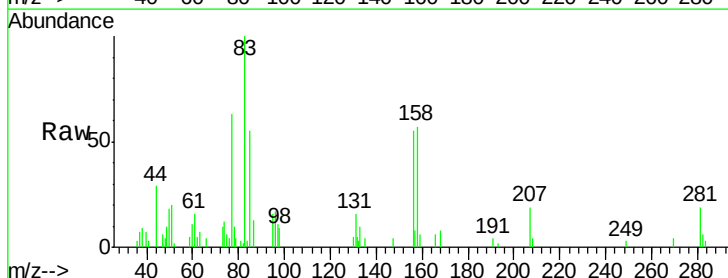
RT: 11.25 min Scan# 1667

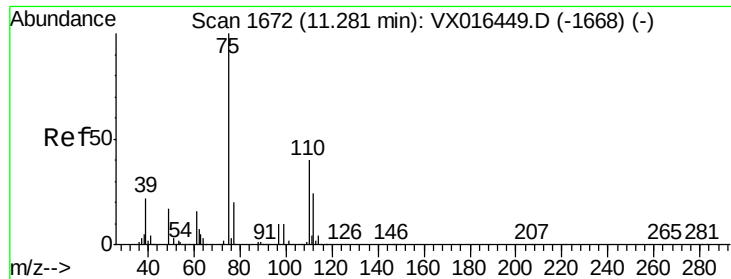
Delta R.T. -0.01 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Tgt Ion:	83	Resp:	3024
Ion	Ratio	Lower	Upper
83	100		
131	13.0	5.1	15.3
85	65.2	32.0	96.2





#76

1,2,3-Trichloropropane

Concen: 0.929 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 4272

Ion Ratio Lower Upper

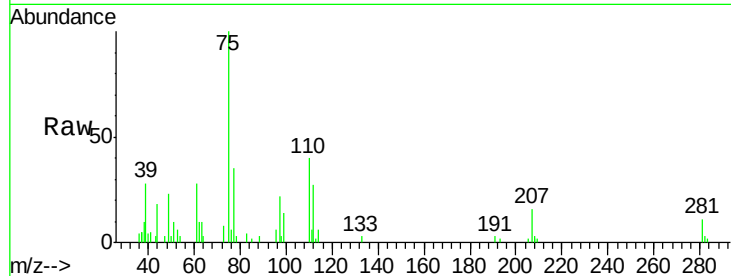
75 100

77 45.0 21.3 63.7

Manual Integrations
APPROVED

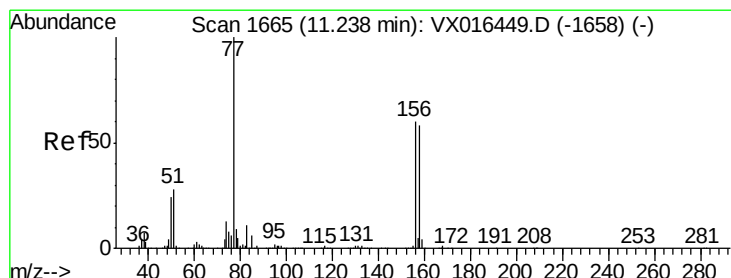
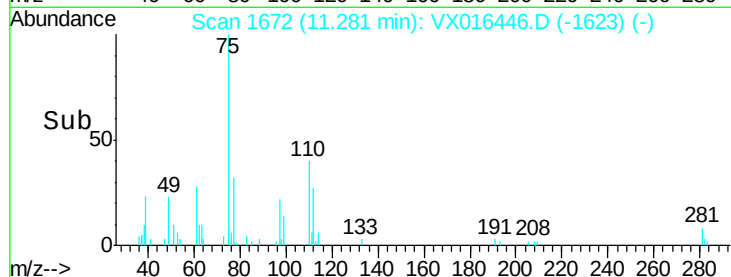
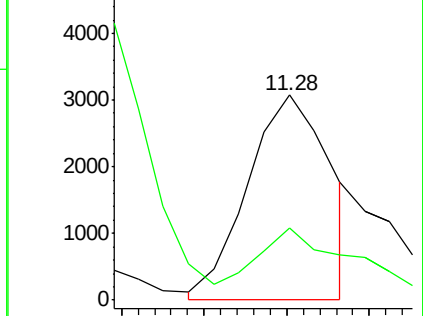
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

Bromobenzene

Concen: 0.999 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

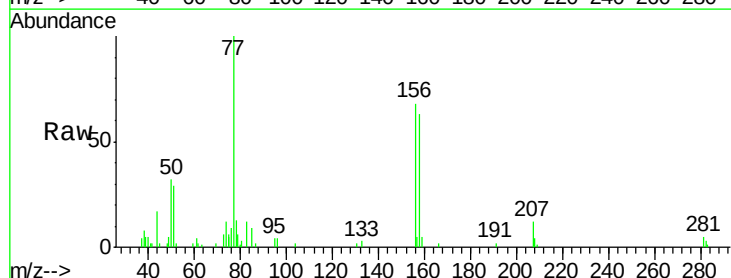
Tgt Ion: 156 Resp: 3811

Ion Ratio Lower Upper

156 100

77 139.4 79.6 238.8

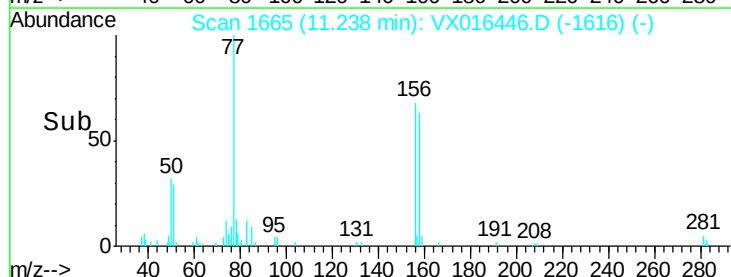
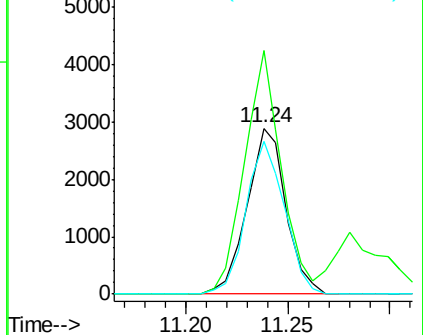
158 91.6 48.1 144.4

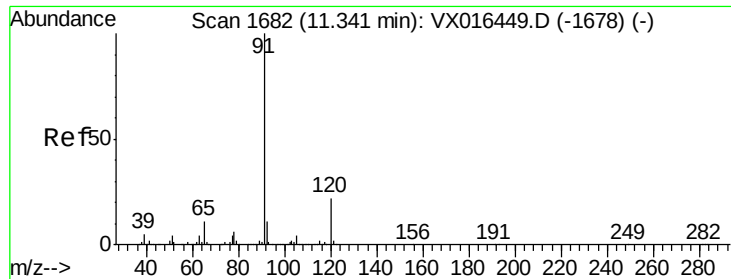


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 0.841 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 14372

Ion Ratio Lower Upper

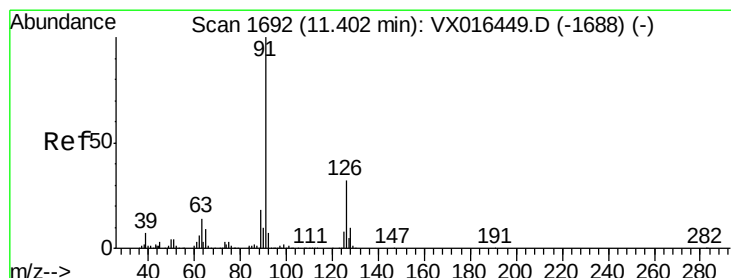
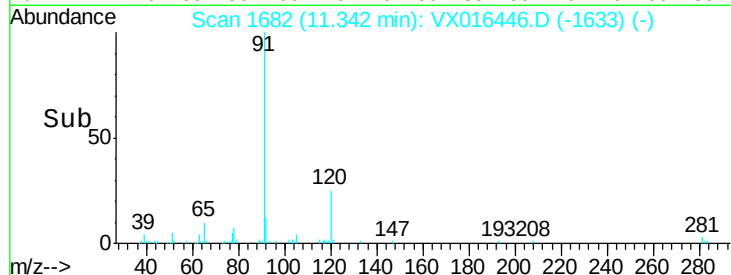
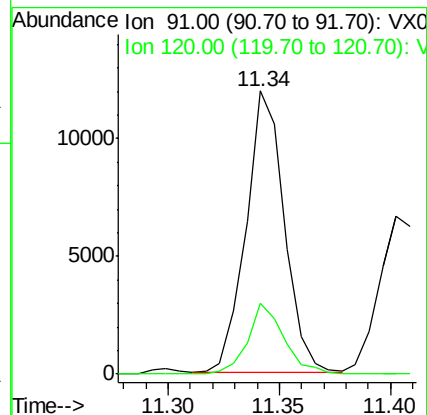
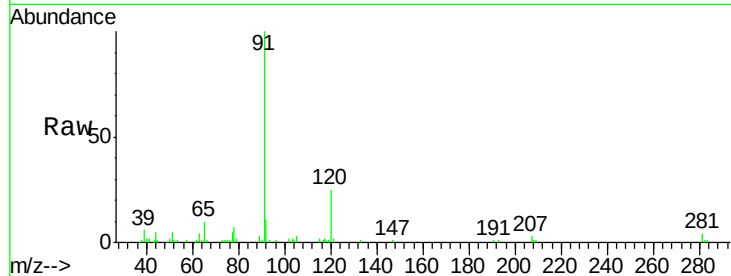
91 100

120 23.8 11.6 34.7

Manual Integrations
APPROVED

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#79

2-Chlorotoluene

Concen: 0.887 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX016446.D

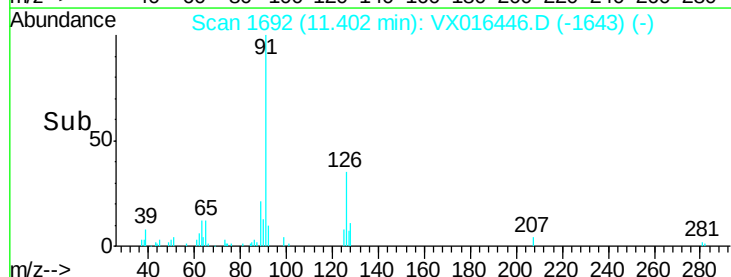
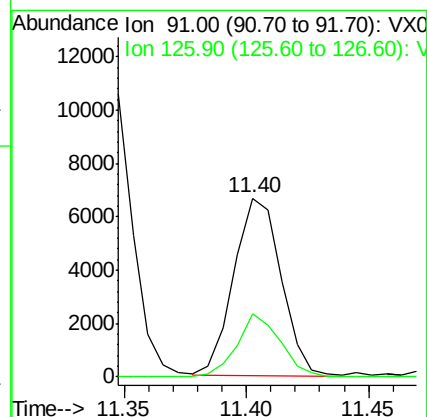
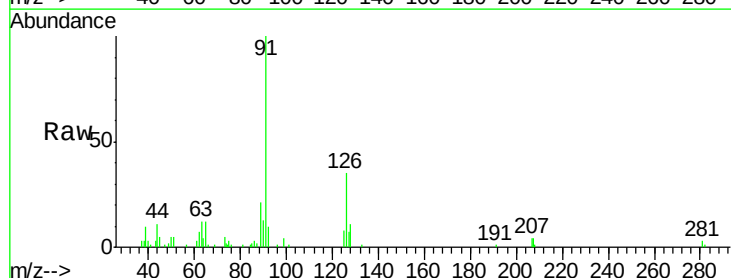
Acq: 27 May 2020 14:20

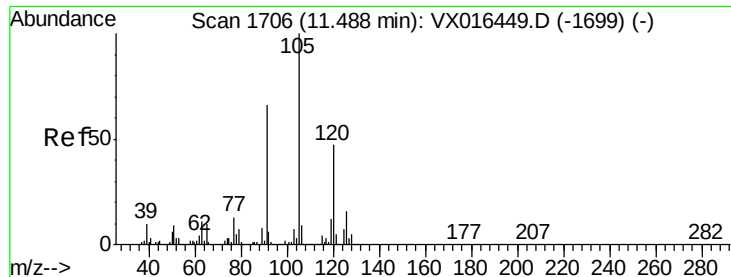
Tgt Ion: 91 Resp: 8984

Ion Ratio Lower Upper

91 100

126 32.4 16.8 50.3





#80

1,3,5-Trimethylbenzene

Concen: 0.842 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 10472

Ion Ratio Lower Upper

105 100

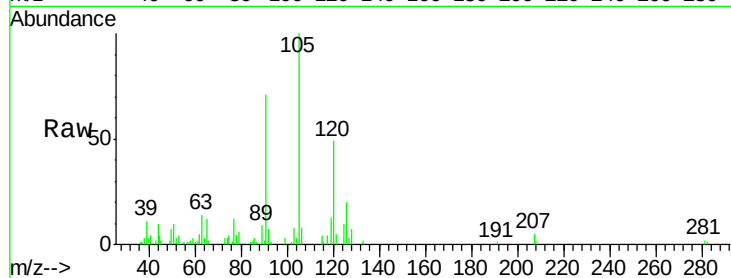
120 49.9 24.3 72.8

Manual Integrations

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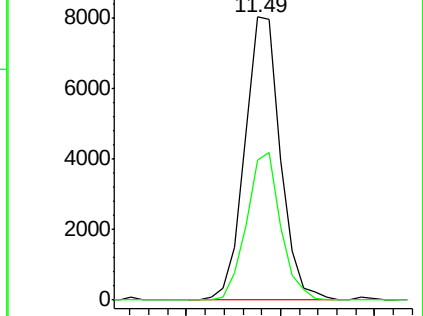
MMDadoda

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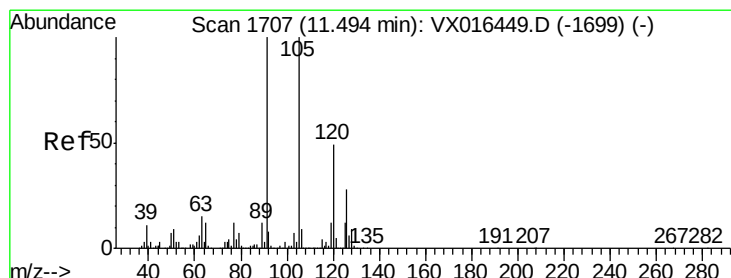
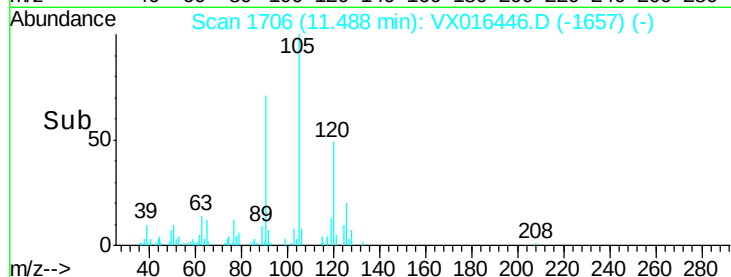


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#82

4-Chlorotoluene

Concen: 0.882 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX016446.D

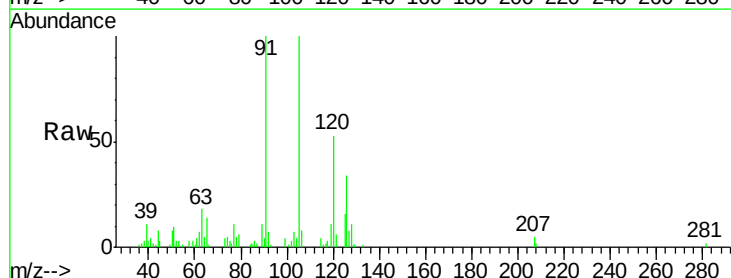
Acq: 27 May 2020 14:20

Tgt Ion: 91 Resp: 10543

Ion Ratio Lower Upper

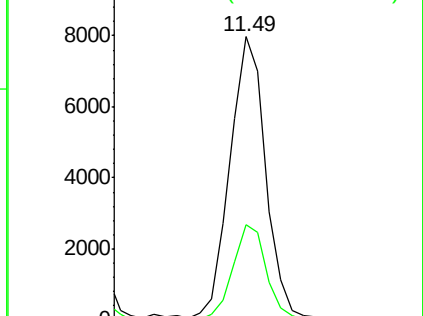
91 100

126 31.4 14.7 44.1

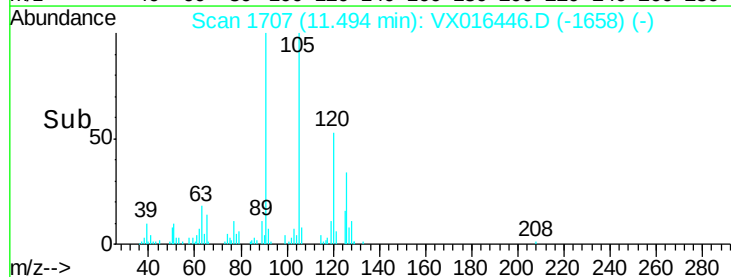


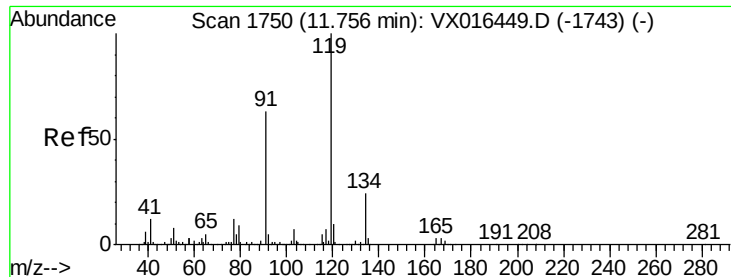
Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



Time-->





#83

tert-Butylbenzene

Concen: 0.804 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

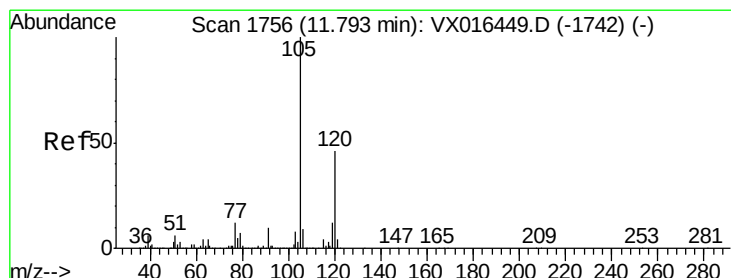
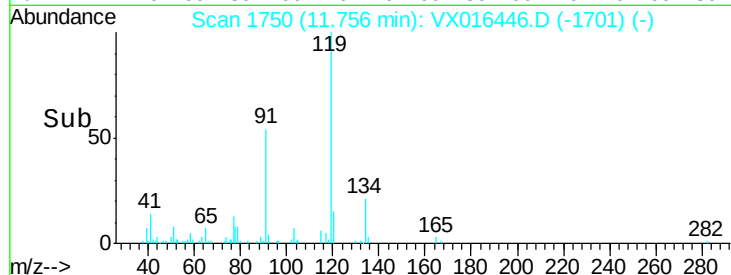
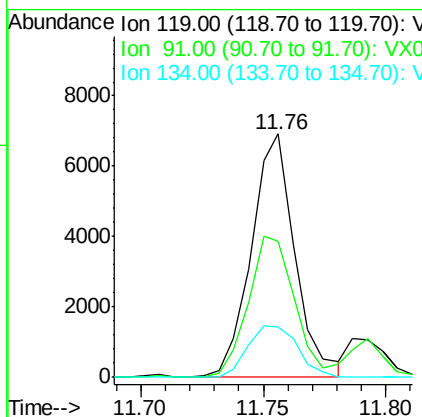
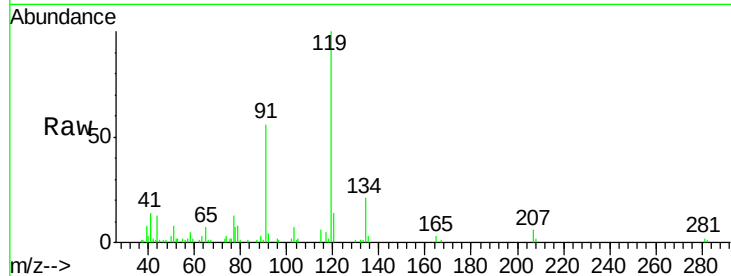
ClientSampleId :

VSTDIC001

Tot Ion:	119	Resp:	8628
Ion Ratio	Lower	Upper	
119	100		
91	61.2	31.3	93.8
134	23.9	12.0	36.0

Manual Integrations
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5/28/2020 2:10:03 PM



#84

1,2,4-Trimethylbenzene

Concen: 0.856 ug/l

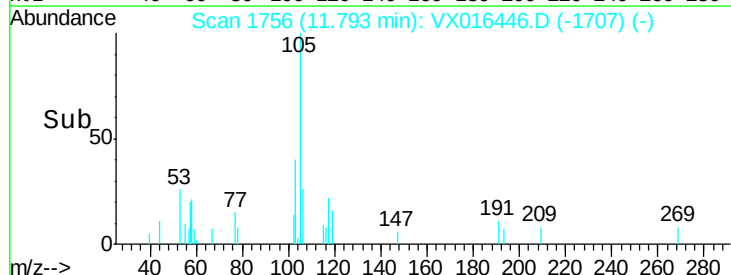
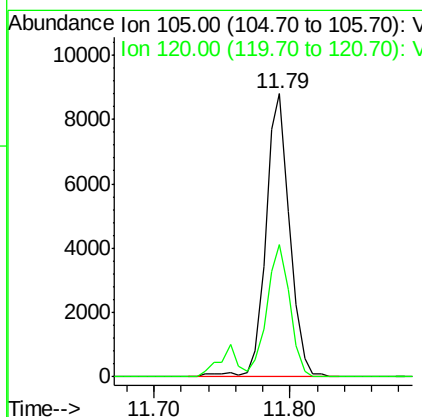
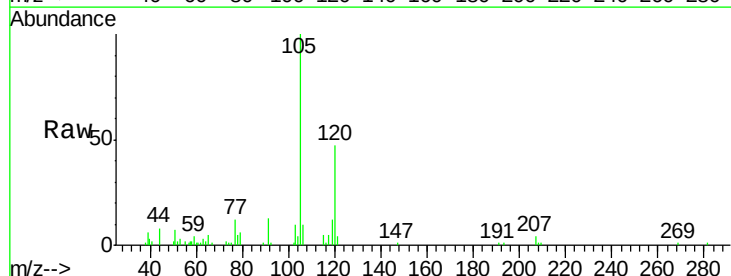
RT: 11.79 min Scan# 1756

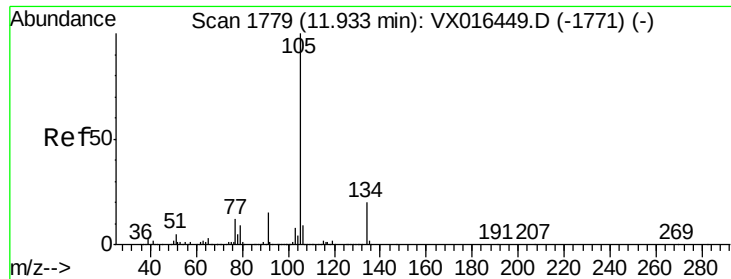
Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Tgt Ion:	105	Resp:	10767
Ion Ratio	Lower	Upper	
105	100		
120	45.1	22.6	67.7





#85

sec-Butylbenzene

Concen: 0.769 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion:105 Resp: 10983

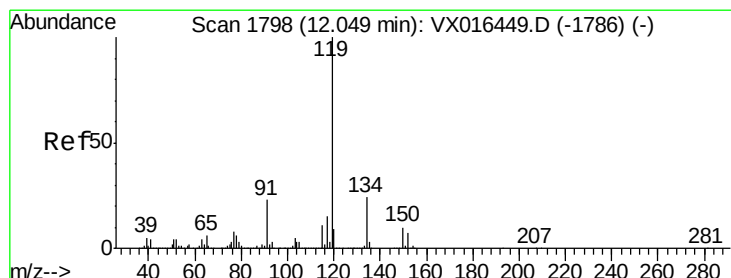
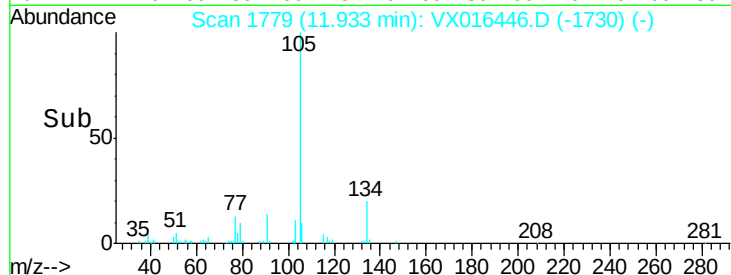
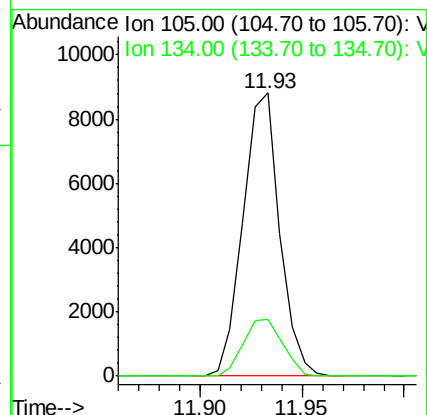
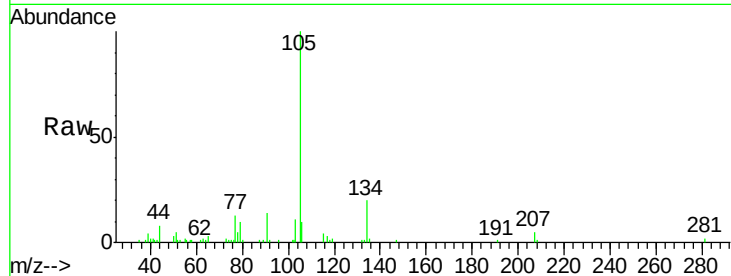
Ion Ratio Lower Upper

105 100

134 21.6 10.1 30.3

Manual Integrations
APPROVED

MMDadoda
5/28/2020 2:10:03 PM



#86

p-Isopropyltoluene

Concen: 0.797 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

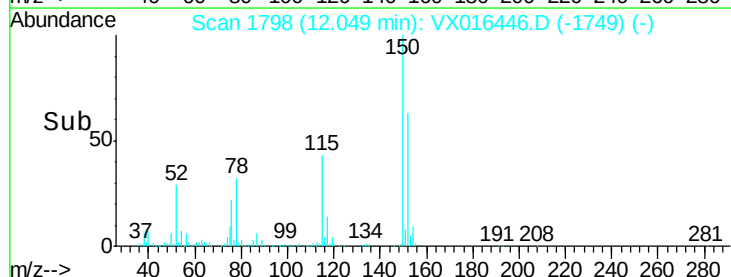
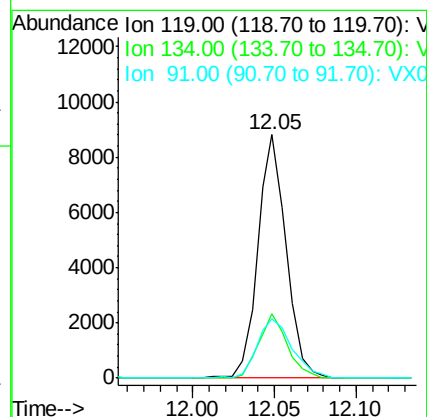
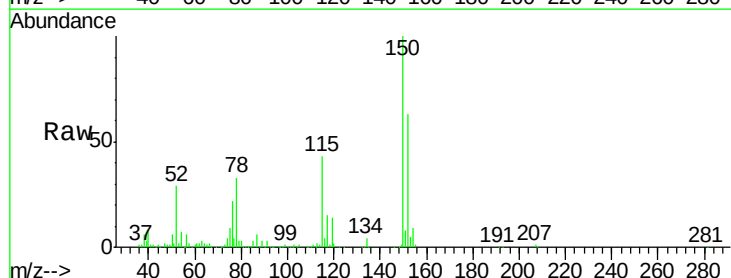
Tgt Ion:119 Resp: 10586

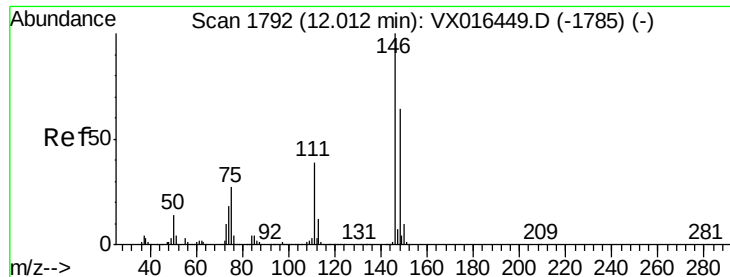
Ion Ratio Lower Upper

119 100

134 26.9 12.7 38.0

91 30.1 11.7 35.0





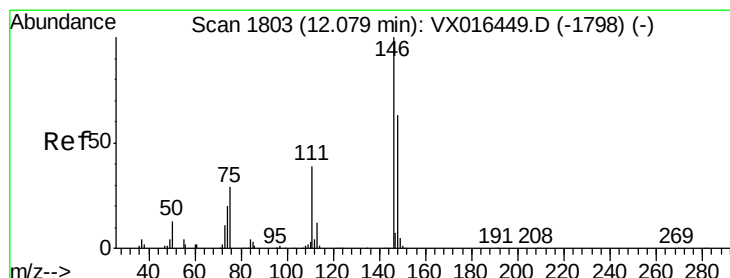
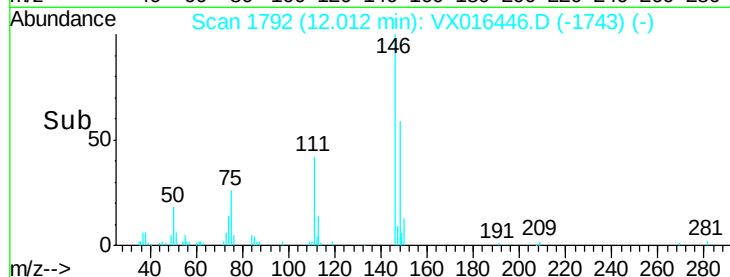
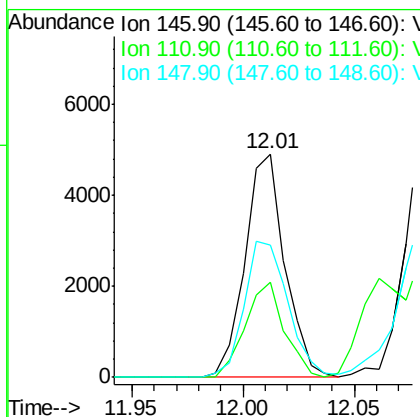
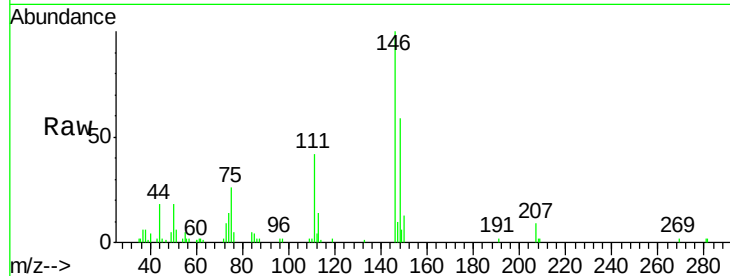
#87
 1,3-Dichlorobenzene
 Concen: 0.900 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX016446.D
 Acq: 27 May 2020 14:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.0	60.0
148	66.9	31.9	95.5

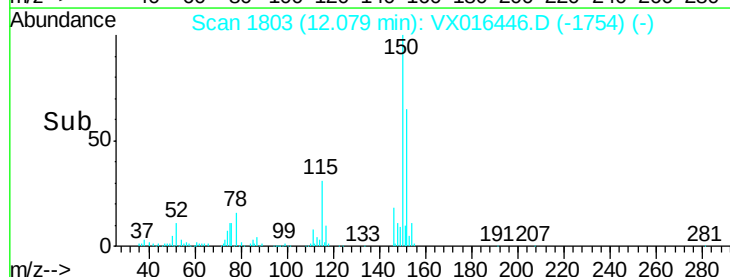
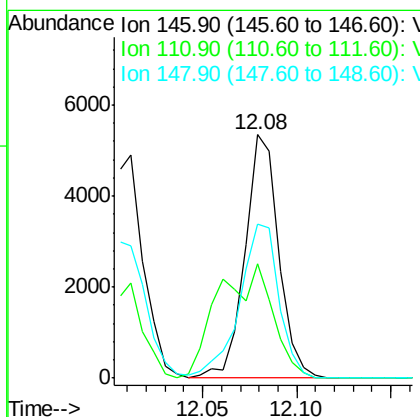
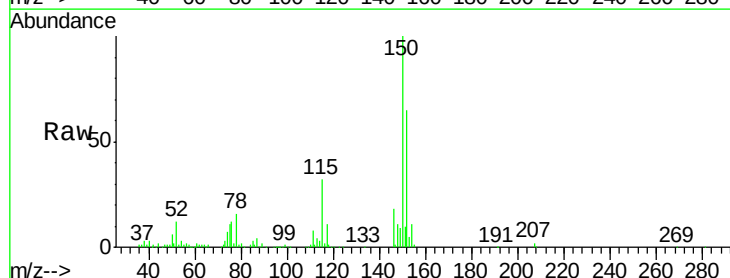
Manual Integrations
 APPROVED

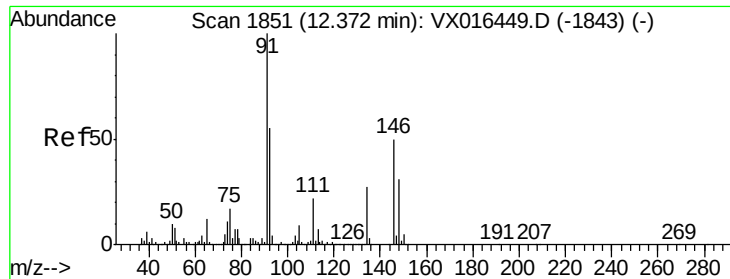
MMDadoda
 5/28/2020 2:10:03 PM



#88
 1,4-Dichlorobenzene
 Concen: 0.958 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX016446.D
 Acq: 27 May 2020 14:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.0	19.4	58.2
148	74.3	31.4	94.3





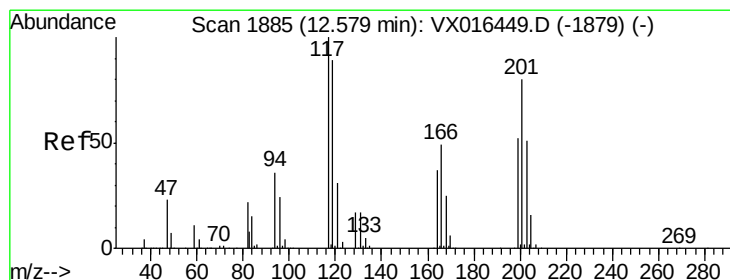
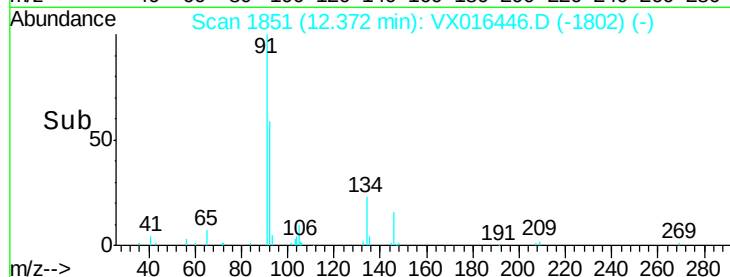
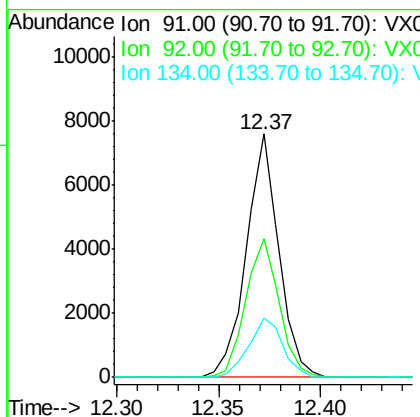
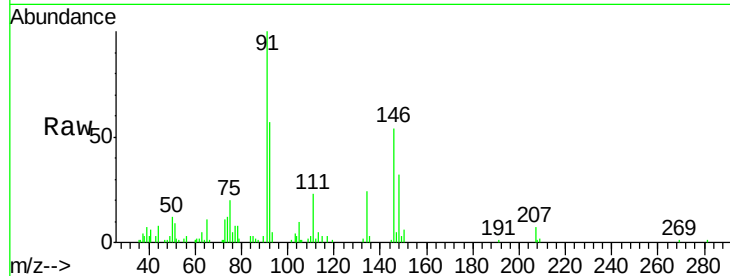
#89
n-Butylbenzene
Concen: 0.701 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.7	27.2	81.5
134	25.5	13.1	39.3

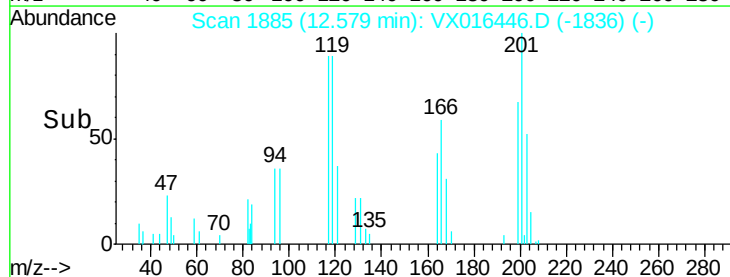
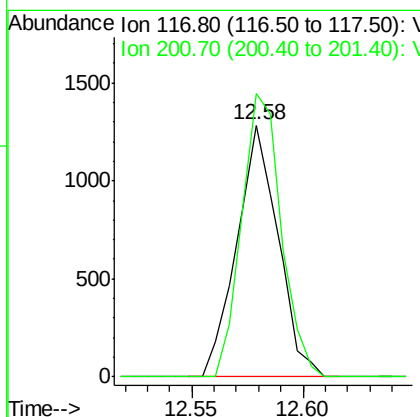
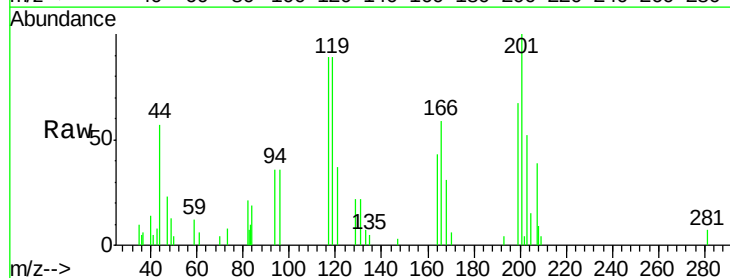
Manual Integrations
APPROVED

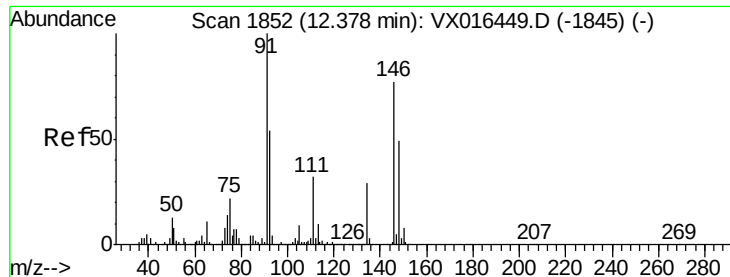
MMDadoda
5/28/2020 2:10:03 PM



#90
Hexachloroethane
Concen: 0.730 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX016446.D
Acq: 27 May 2020 14:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	107.9	43.1	129.3





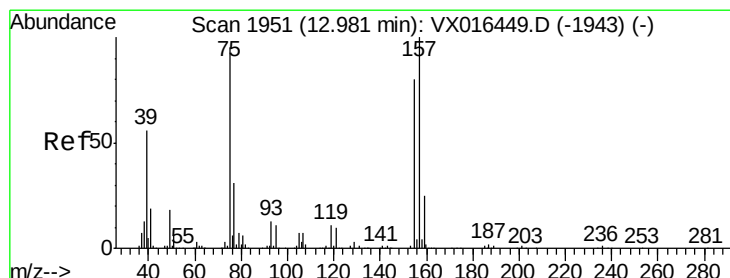
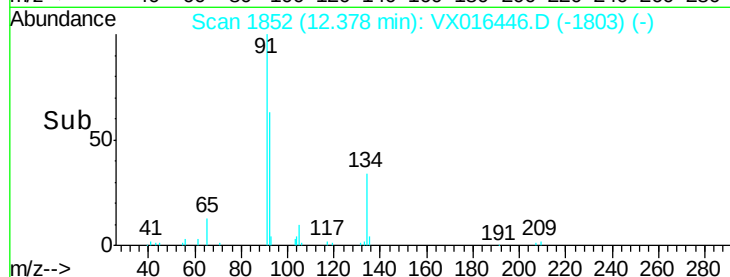
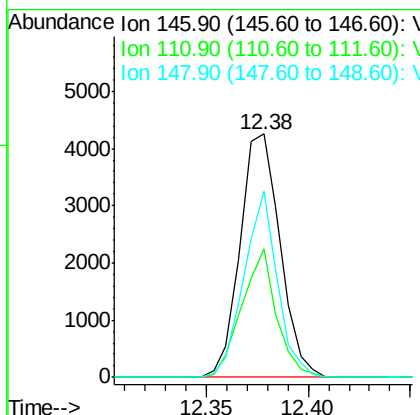
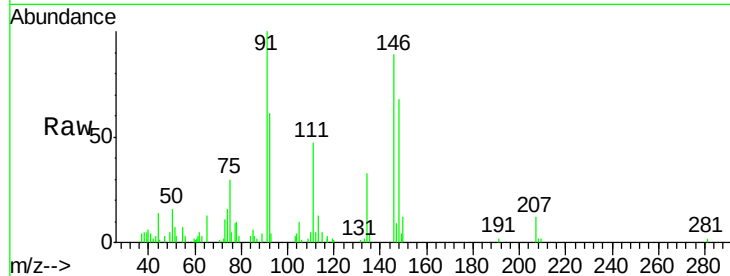
#91
 1,2-Dichlorobenzene
 Concen: 0.883 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX016446.D
 Acq: 27 May 2020 14:20

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.8	21.4	64.3
148	63.9	31.9	95.7

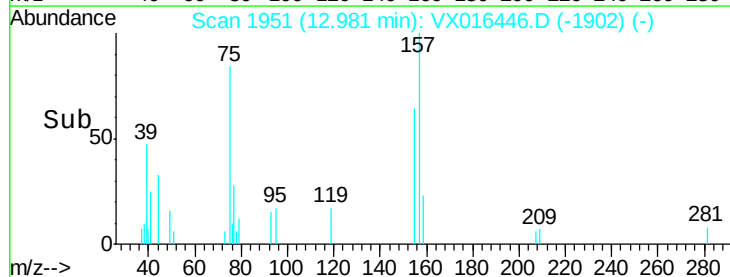
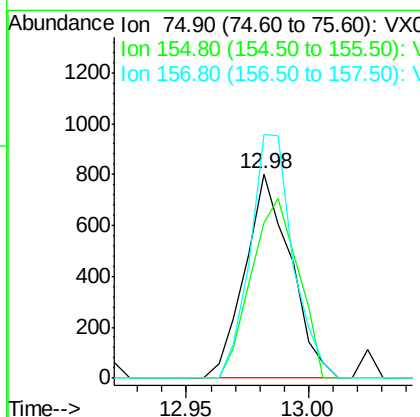
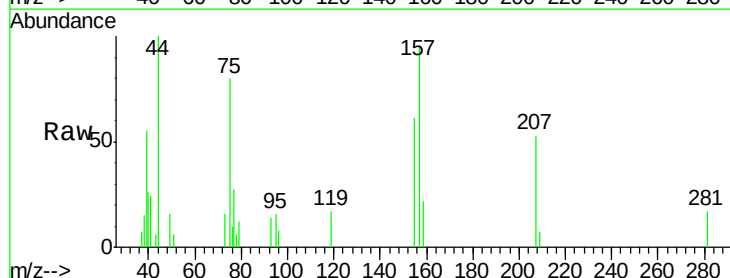
Manual Integrations
 APPROVED

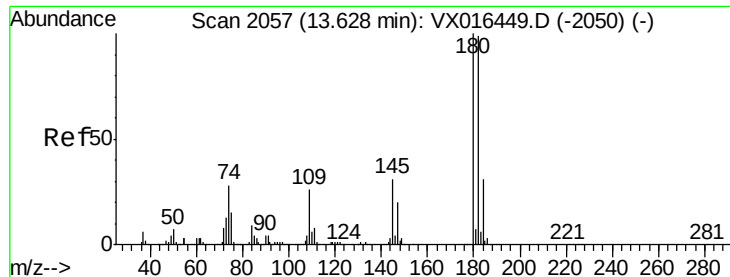
MMDadoda
 5/28/2020 2:10:03 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.857 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX016446.D
 Acq: 27 May 2020 14:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.6	44.1	132.4
157	112.1	57.8	173.3





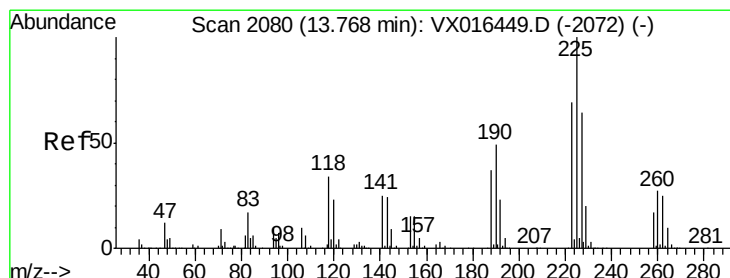
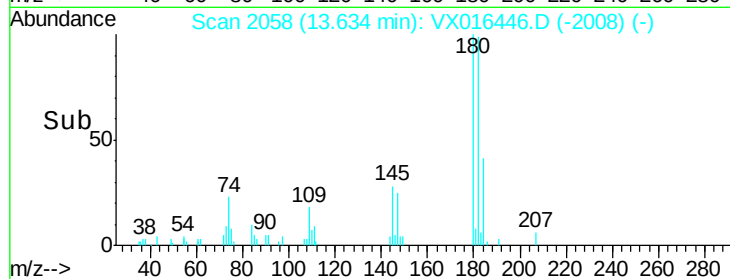
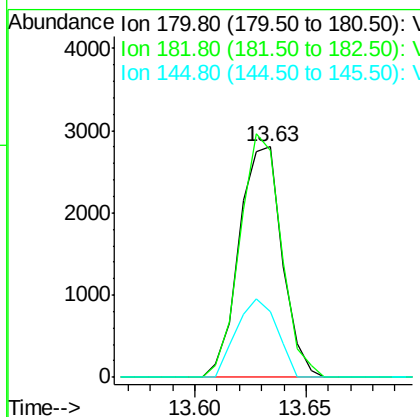
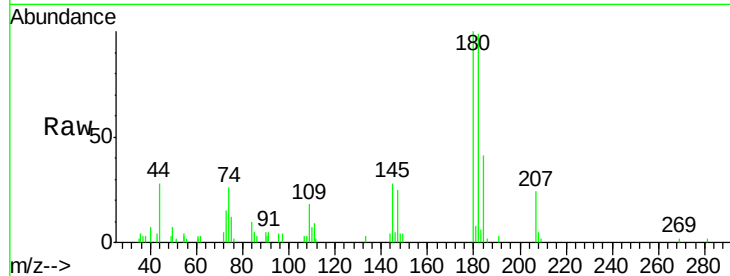
#93
 1,2,4-Trichlorobenzene
 Concen: 0.786 ug/l
 RT: 13.63 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: VX016446.D
 Acq: 27 May 2020 14:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.3	48.3	144.8
145	31.9	15.4	46.2

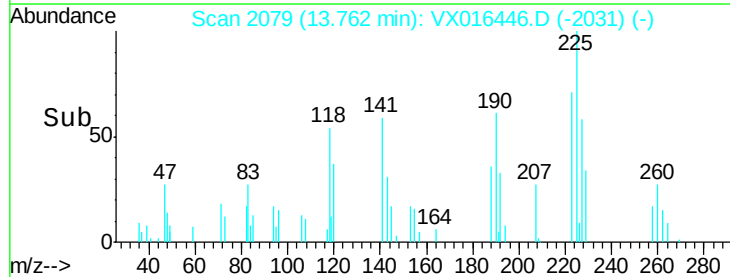
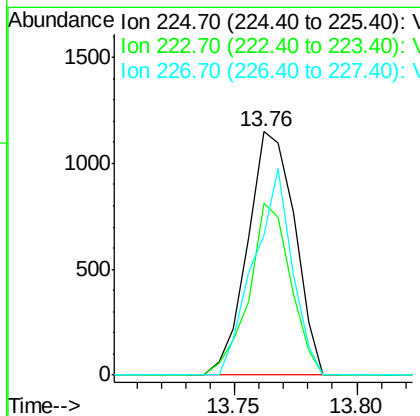
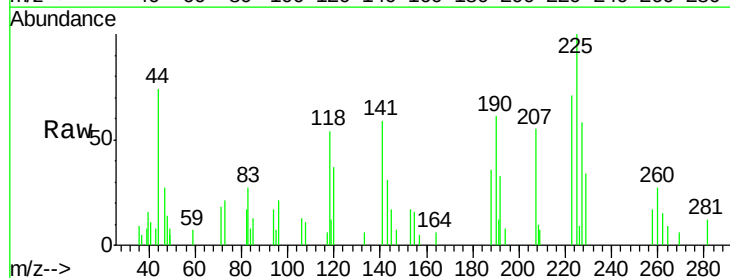
Manual Integrations
 APPROVED

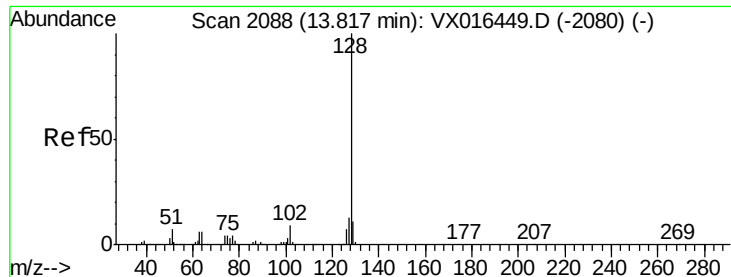
MMDadoda
 5/28/2020 2:10:03 PM



#94
 Hexachlorobutadiene
 Concen: 0.706 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX016446.D
 Acq: 27 May 2020 14:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	32.3	96.8
227	69.3	31.6	94.7





#95

Naphthalene

Concen: 0.802 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Instrument :

MSVOA_X

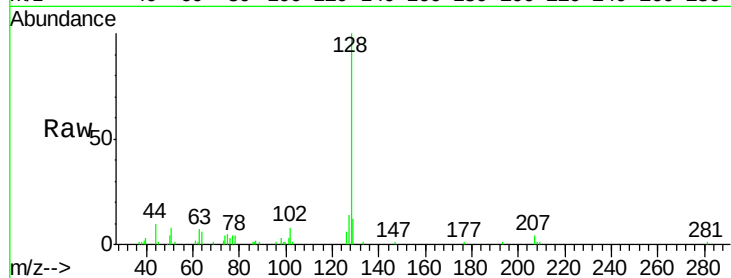
ClientSampleId :

VSTDIC001

Tot Ion:	128	Resp:	12563
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.6	15.8
129	11.1	8.6	13.0

Manual Integrations
APPROVED

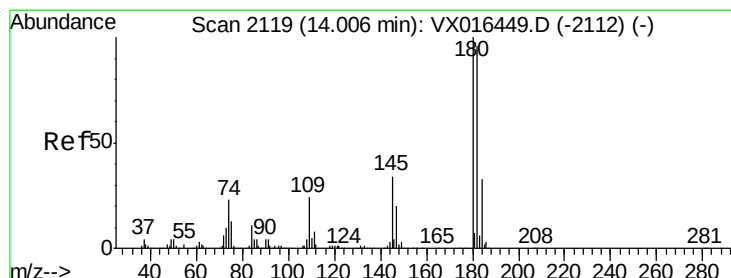
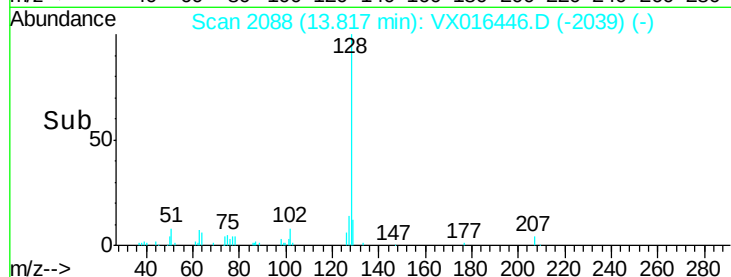
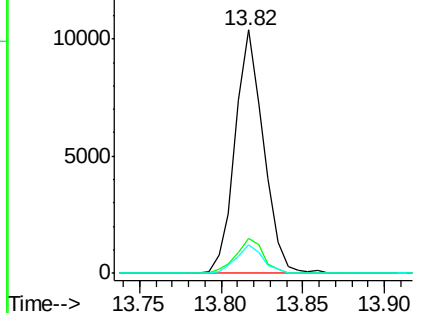
MMDadoda
5/28/2020 2:10:03 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.822 ug/l

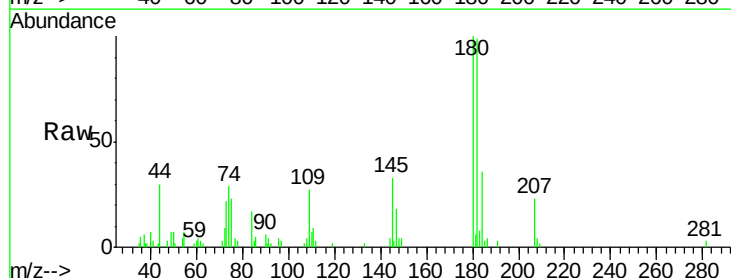
RT: 14.00 min Scan# 2118

Delta R.T. -0.01 min

Lab File: VX016446.D

Acq: 27 May 2020 14:20

Tgt Ion:	180	Resp:	3844
Ion Ratio	Lower	Upper	
180	100		
182	99.4	48.6	145.8
145	30.9	16.6	49.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

