

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052620\
 Data File : VX016421.D
 Acq On : 26 May 2020 12:54
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/27/2020 12:27:09 PM

Quant Time: May 26 17:53:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052620W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 26 15:50:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	109027	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	198072	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	184798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	81435	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	9391	6.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.96%	
35) Dibromofluoromethane	5.46	113	6910	5.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.88%	
50) Toluene-d8	8.70	98	22753	4.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.32%	
62) 4-Bromofluorobenzene	11.12	95	9122	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	3919	3.543	ug/l 87
3) Chloromethane	1.31	50	6507	4.985	ug/l 92
4) Vinyl Chloride	1.39	62	8672	6.021	ug/l 99
5) Bromomethane	1.62	94	12248	13.048	ug/l 96
6) Chloroethane	1.70	64	6739	7.536	ug/l 100
7) Trichlorofluoromethane	1.91	101	14080	7.187	ug/l 92
8) Diethyl Ether	2.17	74	6466	7.891	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	6187	5.781	ug/l 98
10) Methyl Iodide	2.49	142	4158	3.023	ug/l 92
11) Tert butyl alcohol	3.01	59	11236	31.716	ug/l # 93
12) 1,1-Dichloroethene	2.36	96	6184	5.525	ug/l 84
13) Acrolein	2.27	56	7674	35.672	ug/l 97
14) Allyl chloride	2.70	41	10773	5.329	ug/l 94
15) Acrylonitrile	3.11	53	20676	28.017	ug/l 94
16) Acetone	2.42	43	20445	32.538	ug/l 97
17) Carbon Disulfide	2.54	76	17807	4.681	ug/l 97
18) Methyl Acetate	2.75	43	9843	6.375	ug/l 99
19) Methyl tert-butyl Ether	3.17	73	23748	6.121	ug/l 94
20) Methylene Chloride	2.83	84	7539	5.765	ug/l 88
21) trans-1,2-Dichloroethene	3.14	96	7570	5.985	ug/l 88
22) Diisopropyl ether	3.82	45	22211	5.738	ug/l 91
23) Vinyl Acetate	3.78	43	99263	29.201	ug/l 97
24) 1,1-Dichloroethane	3.67	63	13200	6.056	ug/l # 96
25) 2-Butanone	4.64	43	31237	30.814	ug/l 98
26) 2,2-Dichloropropane	4.54	77	11817	5.922	ug/l 79
27) cis-1,2-Dichloroethene	4.56	96	8527	6.144	ug/l 98
28) Bromochloromethane	4.98	49	6904	6.915	ug/l # 78
29) Tetrahydrofuran	5.09	42	20904	31.164	ug/l 98
30) Chloroform	5.17	83	13857	6.323	ug/l 96
31) Cyclohexane	5.54	56	10030	5.151	ug/l 99
32) 1,1,1-Trichloroethane	5.46	97	11935	5.972	ug/l 95
36) 1,1-Dichloropropene	5.77	75	9116	4.705	ug/l 96
37) Ethyl Acetate	4.79	43	12365	5.595	ug/l # 95
38) Carbon Tetrachloride	5.76	117	9870	4.990	ug/l # 80

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

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
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Quant Time: May 26 17:53:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052620W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 26 15:50:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.43	83	9714	4.235	ug/l	95
40) Benzene	6.10	78	29434	5.184	ug/l	99
41) Methacrylonitrile	4.99	41	5908	4.953	ug/l #	83
42) 1,2-Dichloroethane	6.15	62	12091	5.920	ug/l	96
43) Isopropyl Acetate	6.41	43	18877	5.337	ug/l	99
44) Trichloroethene	7.18	130	10073	5.021	ug/l	97
45) 1,2-Dichloropropane	7.48	63	8006	5.613	ug/l	91
46) Dibromomethane	7.63	93	5424	5.501	ug/l	92
47) Bromodichloromethane	7.87	83	11238	5.644	ug/l	95
48) Methyl methacrylate	7.74	41	8749	5.250	ug/l	96
49) 1,4-Dioxane	7.72	88	4665	114.990	ug/l #	88
51) 4-Methyl-2-Pentanone	8.62	43	57180	26.389	ug/l	98
52) Toluene	8.76	92	17632	4.961	ug/l	96
53) t-1,3-Dichloropropene	9.02	75	12431	5.252	ug/l	97
54) cis-1,3-Dichloropropene	8.42	75	13033	5.294	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	8171	5.818	ug/l	90
56) Ethyl methacrylate	9.16	69	11209	4.966	ug/l	91
57) 1,3-Dichloropropane	9.35	76	13398	5.508	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.29	63	29627	24.704	ug/l	100
59) 2-Hexanone	9.47	43	43722	25.671	ug/l	98
60) Dibromochloromethane	9.56	129	8063	5.183	ug/l	97
61) 1,2-Dibromoethane	9.65	107	8597	5.635	ug/l	94
64) Tetrachloroethene	9.32	164	10447	4.664	ug/l	93
65) Chlorobenzene	10.12	112	20027	5.190	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	7688	5.375	ug/l	96
67) Ethyl Benzene	10.23	91	32917	4.810	ug/l	97
68) m/p-Xylenes	10.34	106	24853	9.666	ug/l	98
69) o-Xylene	10.68	106	12561	5.072	ug/l	100
70) Styrene	10.70	104	19538	4.664	ug/l	98
71) Bromoform	10.84	173	5448	4.667	ug/l #	96
73) Isopropylbenzene	11.00	105	29903	5.089	ug/l	100
74) N-amyl acetate	10.88	43	14817	5.505	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	6330	5.866	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	11451m	6.283	ug/l	
77) Bromobenzene	11.24	156	8130	5.325	ug/l	89
78) n-propylbenzene	11.34	91	33560	4.921	ug/l	97
79) 2-Chlorotoluene	11.40	91	21859	5.421	ug/l	95
80) 1,3,5-Trimethylbenzene	11.49	105	24377	4.917	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	4338	5.708	ug/l	89
82) 4-Chlorotoluene	11.49	91	25027	5.251	ug/l	97
83) tert-Butylbenzene	11.76	119	19925	4.665	ug/l	96
84) 1,2,4-Trimethylbenzene	11.79	105	25505	5.099	ug/l	97
85) sec-Butylbenzene	11.93	105	25287	4.426	ug/l	97
86) p-Isopropyltoluene	12.05	119	23246	4.393	ug/l	96
87) 1,3-Dichlorobenzene	12.01	146	13766	5.048	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	14210	5.131	ug/l	93
89) n-Butylbenzene	12.37	91	19560	4.069	ug/l	98
90) Hexachloroethane	12.58	117	4439	4.853	ug/l	93
91) 1,2-Dichlorobenzene	12.38	146	13886	5.262	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.98	75	2898	6.029	ug/l	80

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Sample : VSTDICC005
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

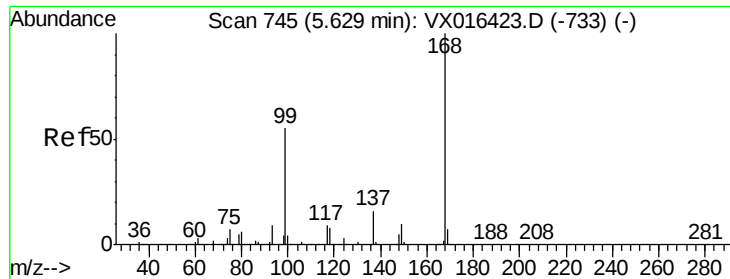
Manual Integrations
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5/27/2020 12:27:09 PM

Quant Time: May 26 17:53:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052620W.M
Quant Title : SW846 8260
QLast Update : Tue May 26 15:50:19 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	7468	3.903	ug/l	93
94) Hexachlorobutadiene	13.77	225	2385	2.787	ug/l	98
95) Naphthalene	13.82	128	29118	4.646	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	7500	4.029	ug/l	98

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



#1

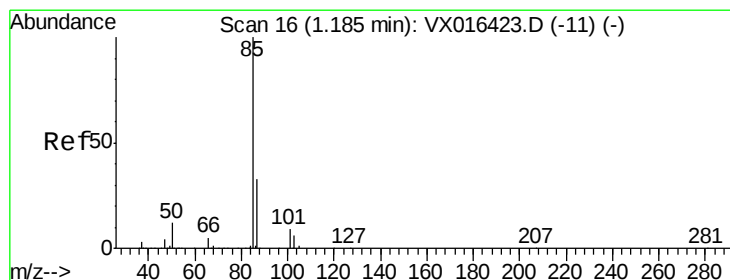
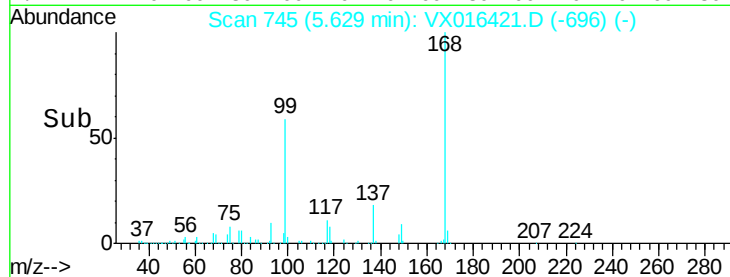
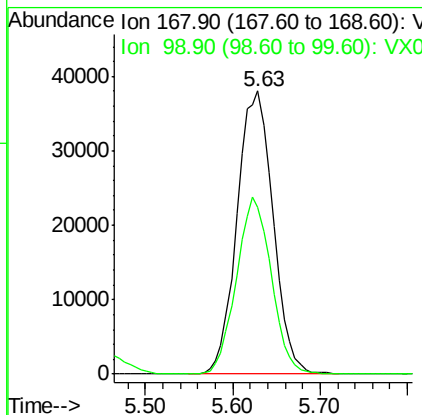
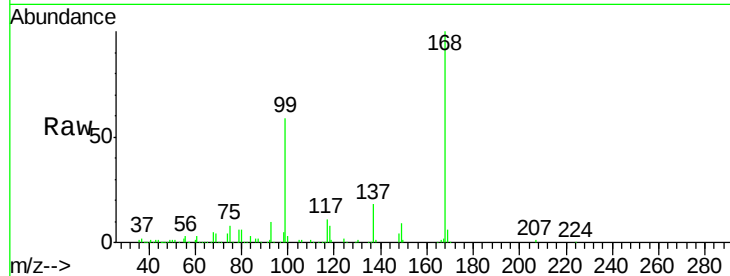
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: VX016421.D
 Acq: 26 May 2020 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
168	100		
99	59.0	44.4	66.6

Manual Integrations
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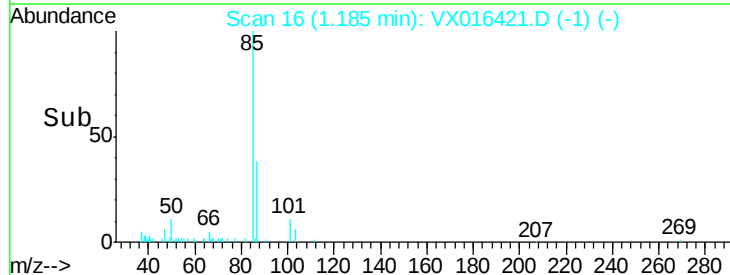
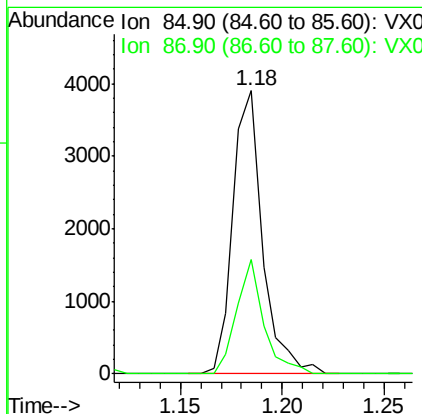
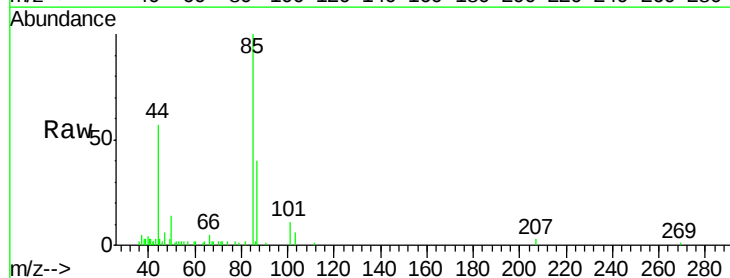
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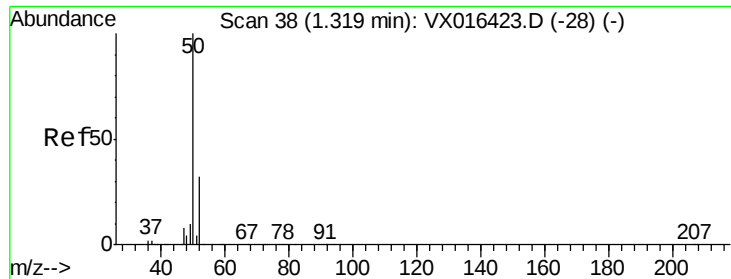


#2

Dichlorodifluoromethane
 Concen: 3.543 ug/l
 RT: 1.18 min Scan# 16
 Delta R.T. -0.00 min
 Lab File: VX016421.D
 Acq: 26 May 2020 12:54

Tgt Ion	Ratio	Lower	Upper
85	100		
87	40.3	16.4	49.2





#3

Chloromethane

Concen: 4.985 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 6507

Ion Ratio Lower Upper

50 100

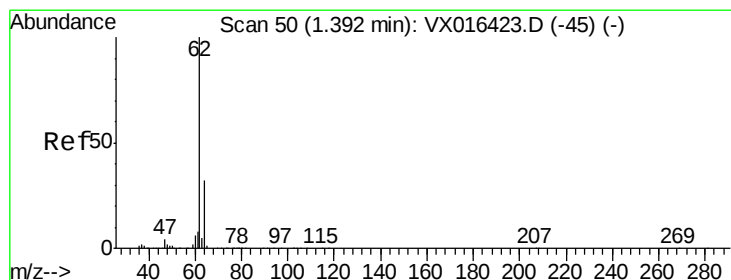
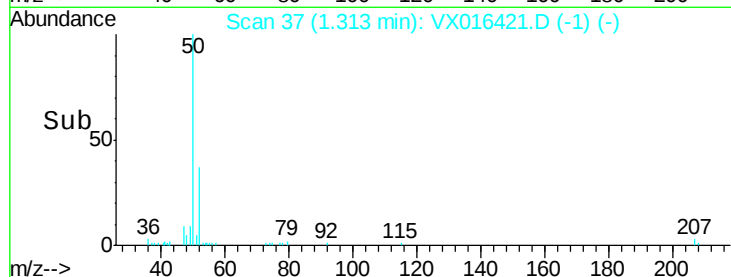
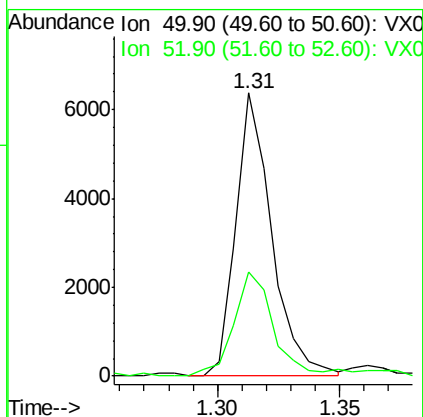
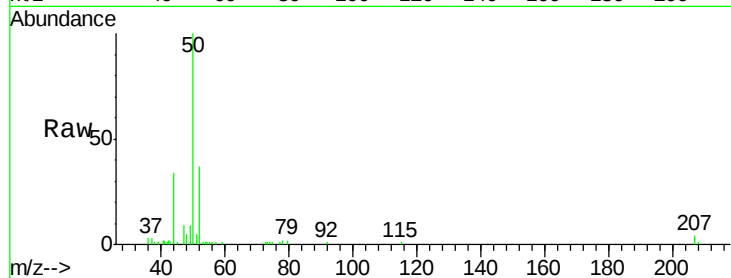
52 36.6 25.9 38.9

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#4

Vinyl Chloride

Concen: 6.021 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016421.D

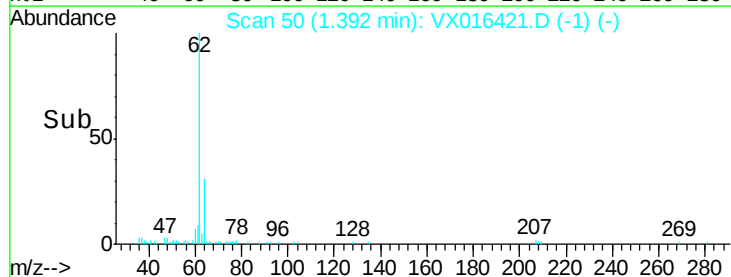
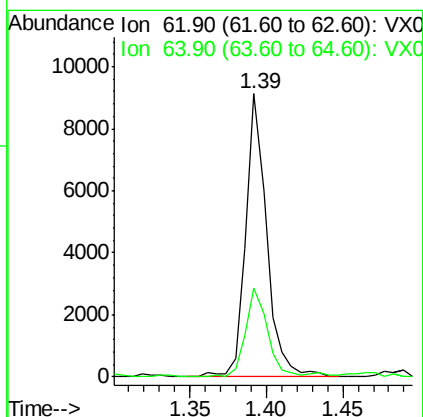
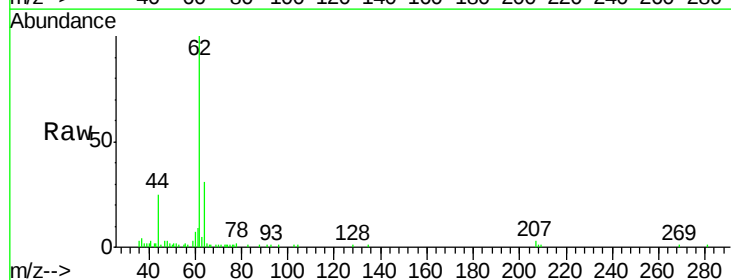
Acq: 26 May 2020 12:54

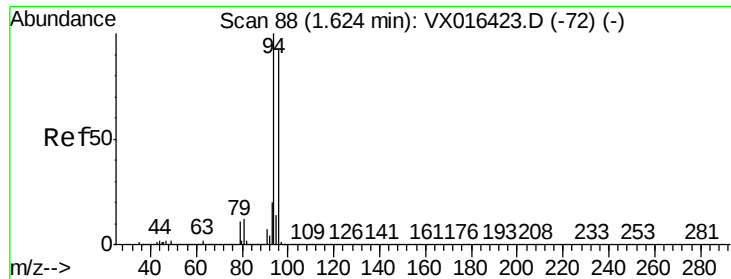
Tgt Ion: 62 Resp: 8672

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.0





#5

Bromomethane

Concen: 13.048 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 12248

Ion Ratio Lower Upper

94 100

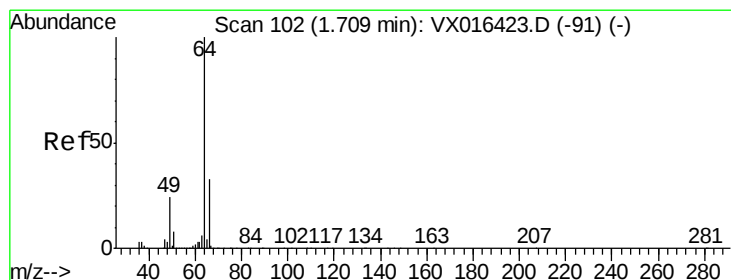
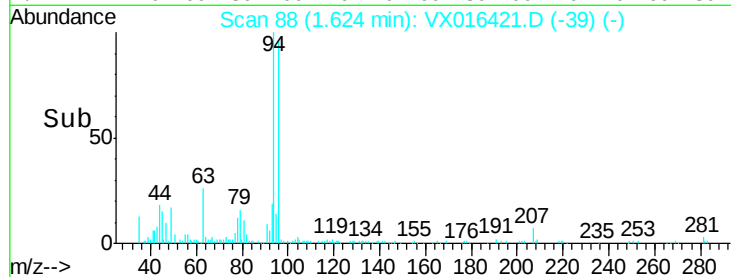
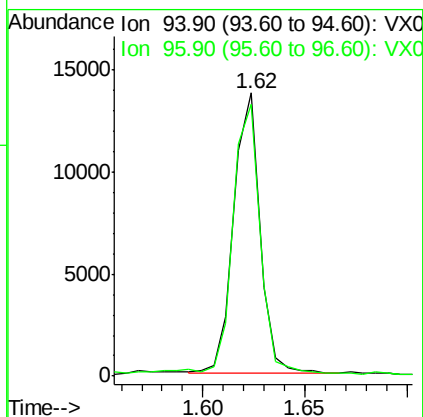
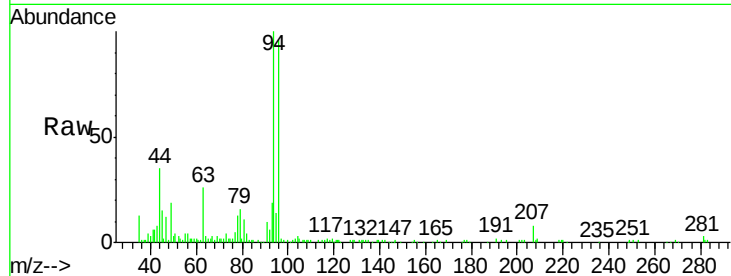
96 95.8 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 7.536 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX016421.D

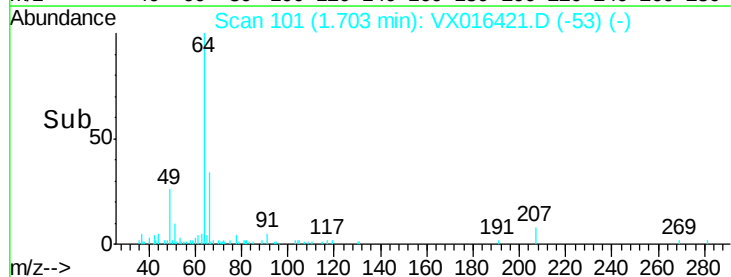
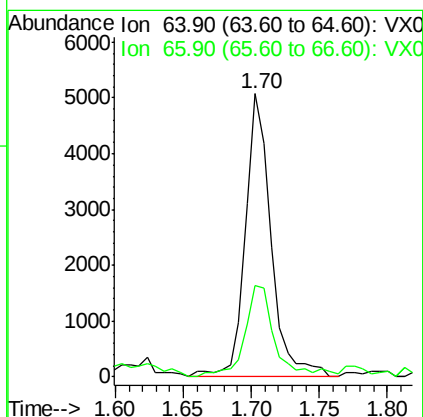
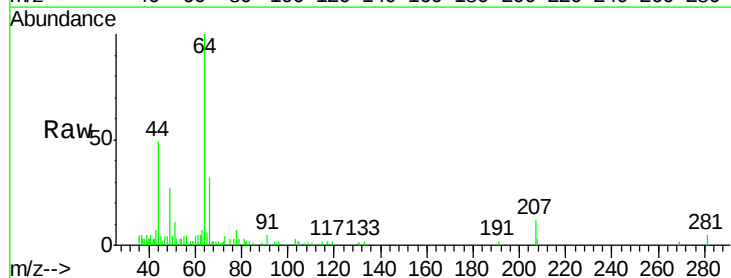
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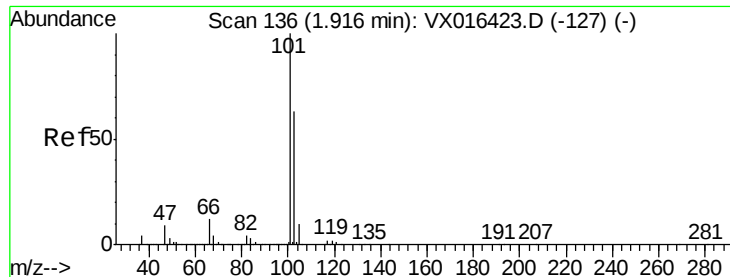
Tgt Ion: 64 Resp: 6739

Ion Ratio Lower Upper

64 100

66 32.4 26.0 39.0





#7

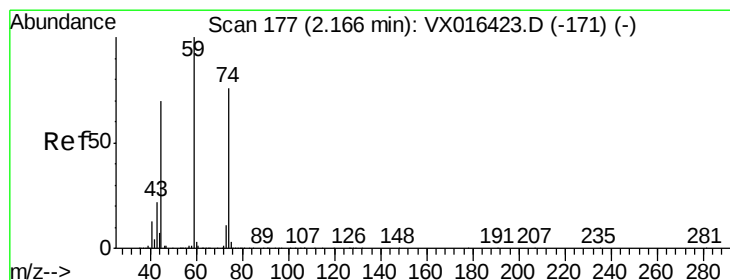
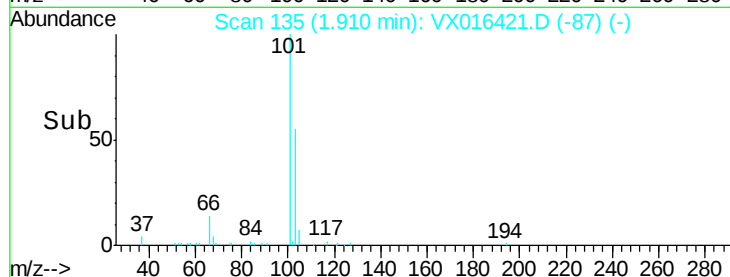
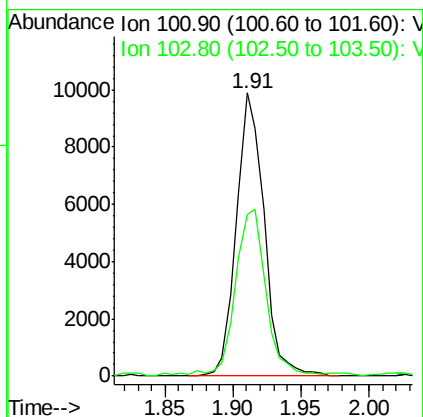
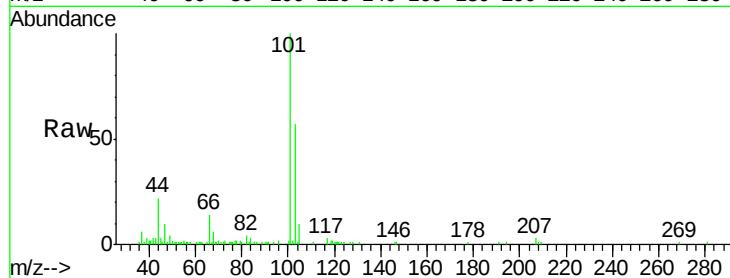
Trichlorofluoromethane
 Concen: 7.187 ug/l
 RT: 1.91 min Scan# 135
 Delta R.T. -0.01 min
 Lab File: VX016421.D
 Acq: 26 May 2020 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	56.7	50.1	75.1

Manual Integrations
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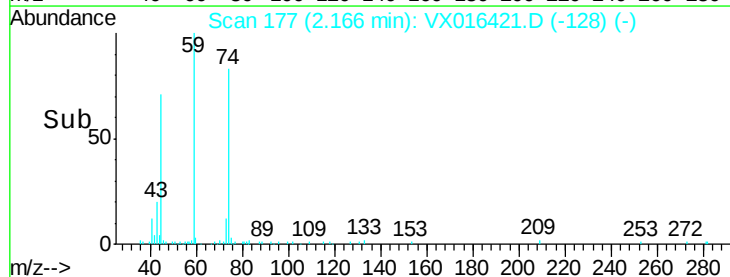
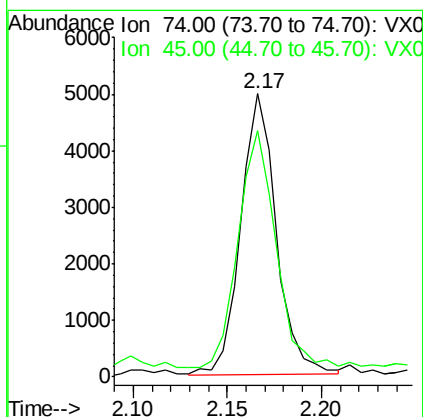
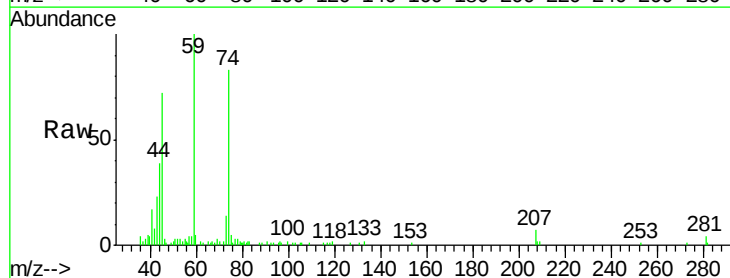
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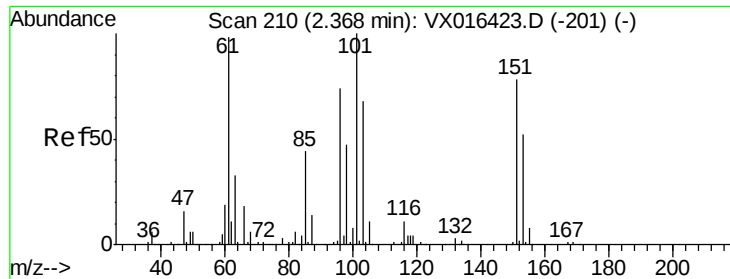


#8

Diethyl Ether
 Concen: 7.891 ug/l
 RT: 2.17 min Scan# 177
 Delta R.T. -0.00 min
 Lab File: VX016421.D
 Acq: 26 May 2020 12:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.8	44.4	133.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.781 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

Instrument :

MSVOA_X

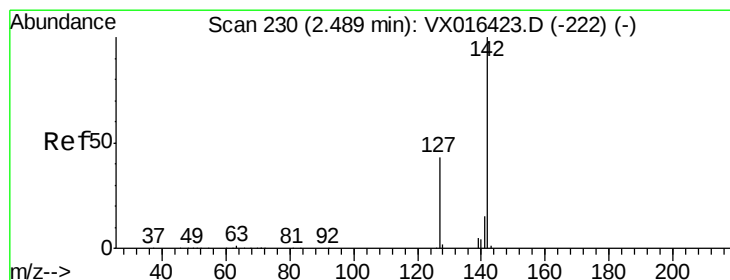
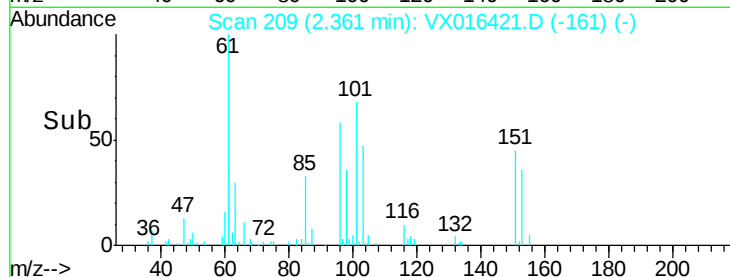
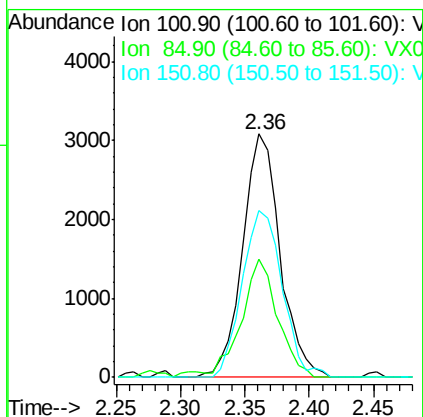
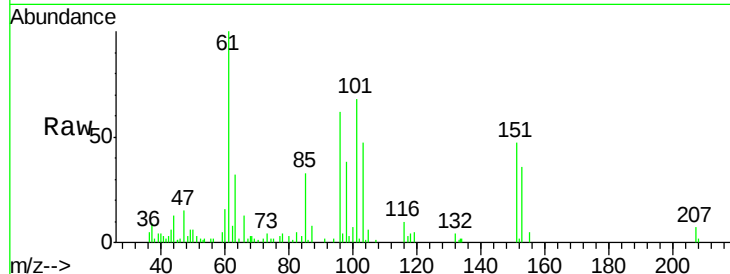
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	6187
Ion Ratio	Lower	Upper	
101	100		
85	46.7	36.2	54.4
151	73.7	60.4	90.6

Manual Integrations
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#10

Methyl Iodide

Concen: 3.023 ug/l

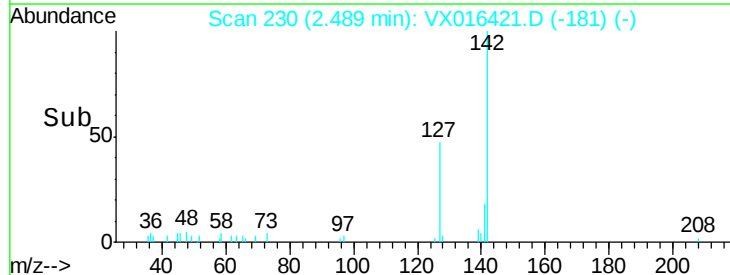
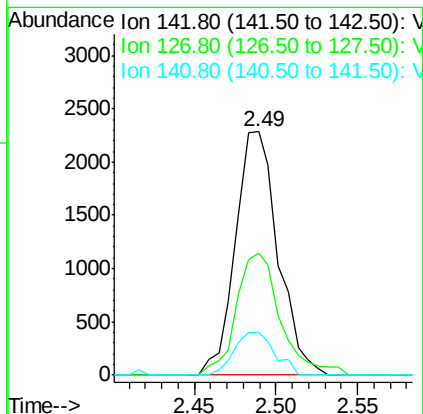
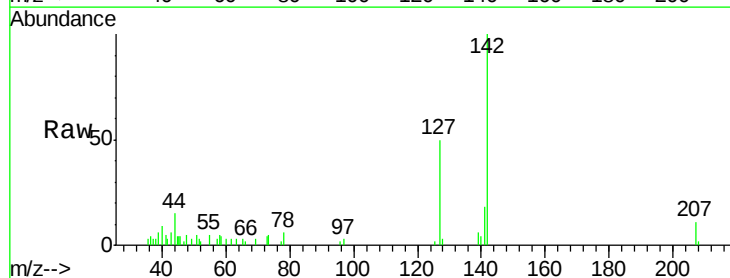
RT: 2.49 min Scan# 230

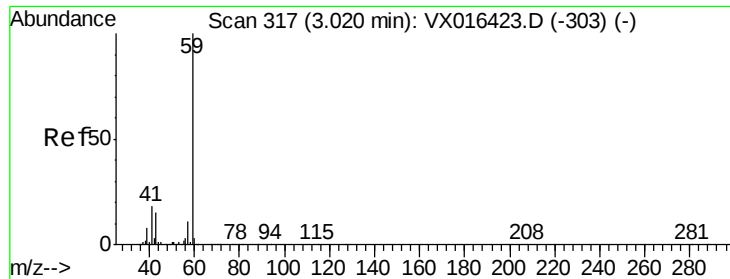
Delta R.T. -0.00 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

Tgt Ion:	142	Resp:	4158
Ion Ratio	Lower	Upper	
142	100		
127	51.7	36.2	54.4
141	16.6	12.2	18.2





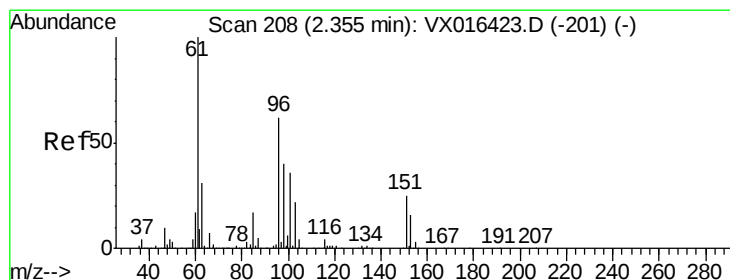
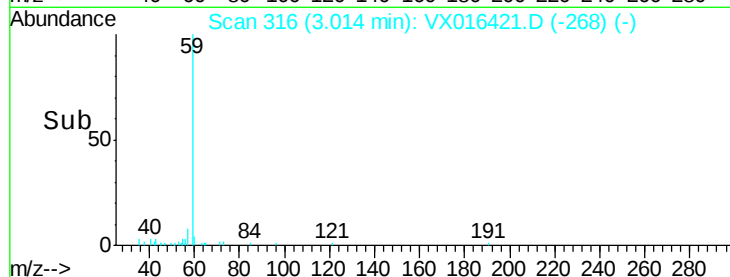
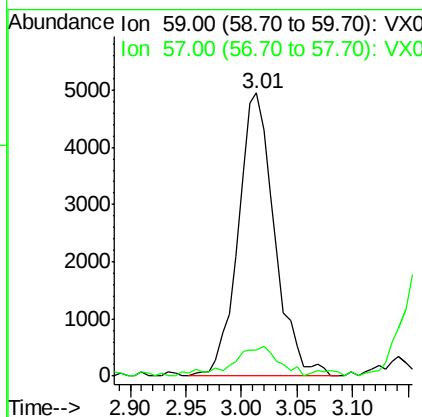
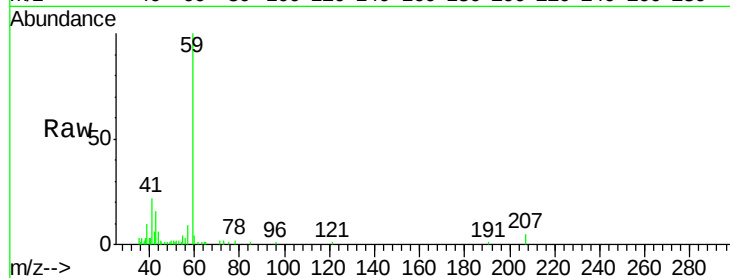
#11
Tert butyl alcohol
Concen: 31.716 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 11236
Ion Ratio Lower Upper
59 100
57 13.3 8.5 12.7#

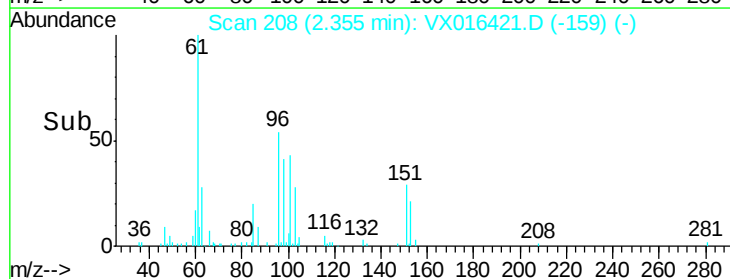
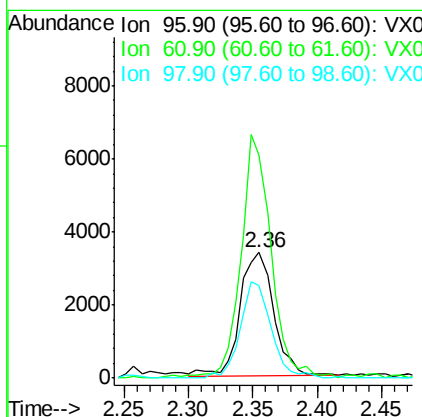
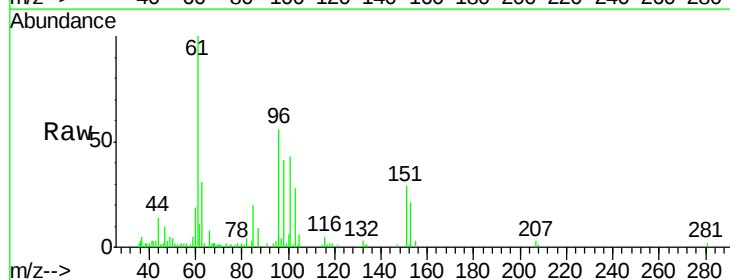
Manual Integrations
APPROVED

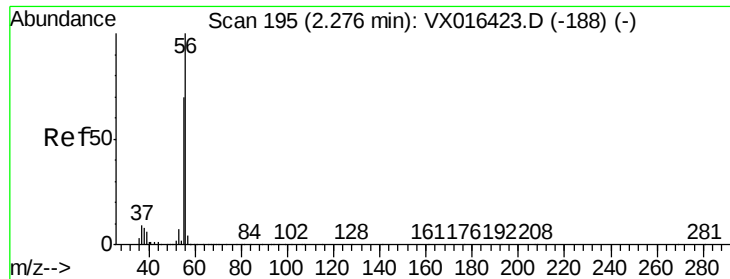
MMDadoda
5/27/2020 12:27:09 PM



#12
1,1-Dichloroethene
Concen: 5.525 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Tgt Ion: 96 Resp: 6184
Ion Ratio Lower Upper
96 100
61 181.7 128.2 192.4
98 75.4 50.8 76.2





#13

Acrolein

Concen: 35.672 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 7674

Ion Ratio Lower Upper

56 100

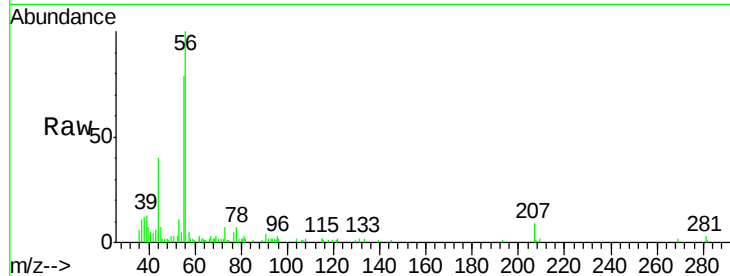
55 68.3 56.5 84.7

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.27

5000

4000

3000

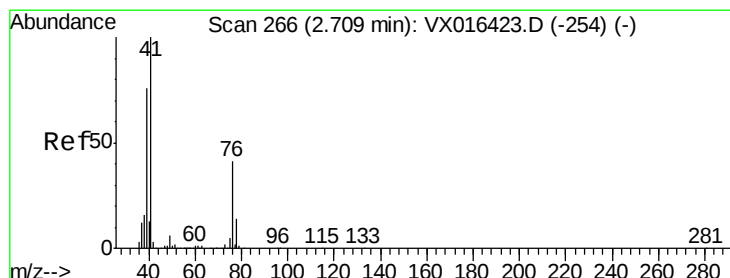
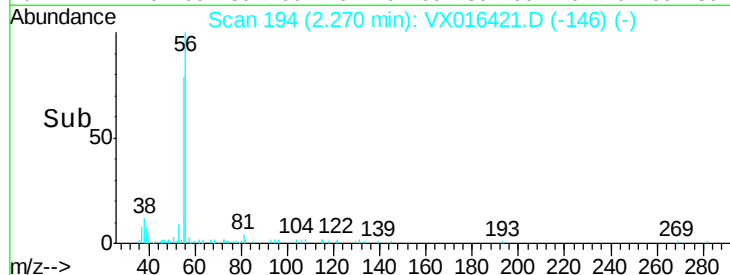
2000

1000

0

Time-->

2.20 2.25 2.30 2.35



#14

Allyl chloride

Concen: 5.329 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

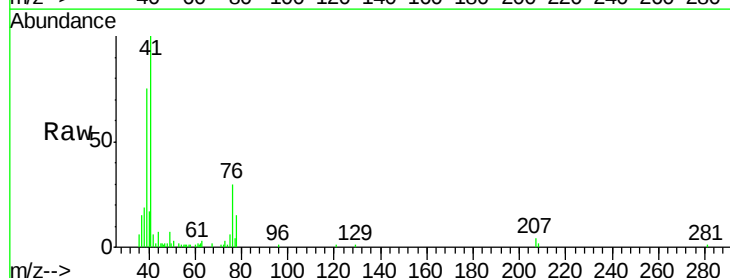
Tgt Ion: 41 Resp: 10773

Ion Ratio Lower Upper

41 100

39 77.4 55.8 83.8

76 36.8 29.6 44.4



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

8000

6000

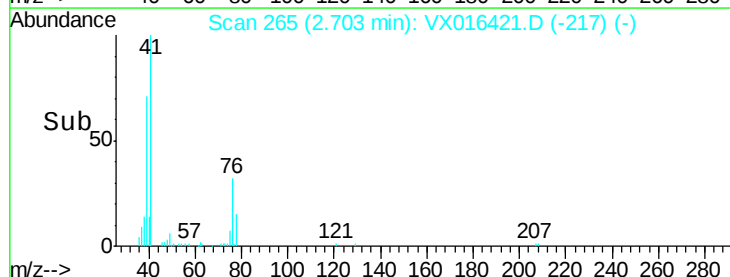
4000

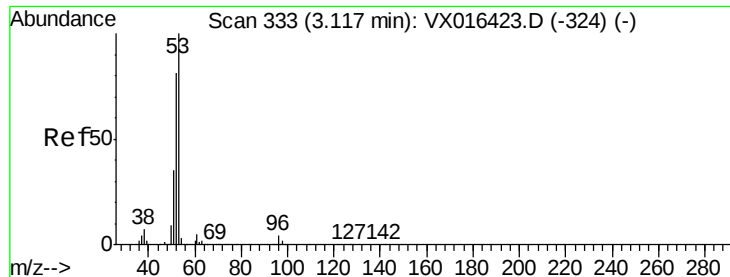
2000

0

Time-->

2.60 2.65 2.70 2.75 2.80





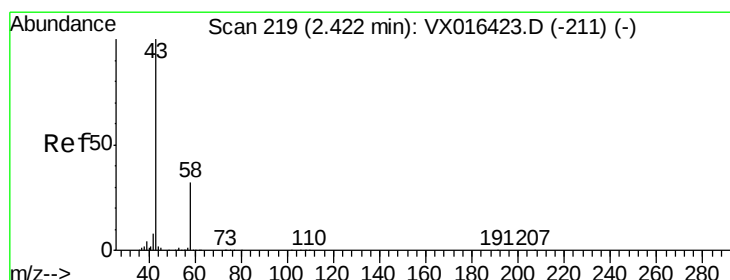
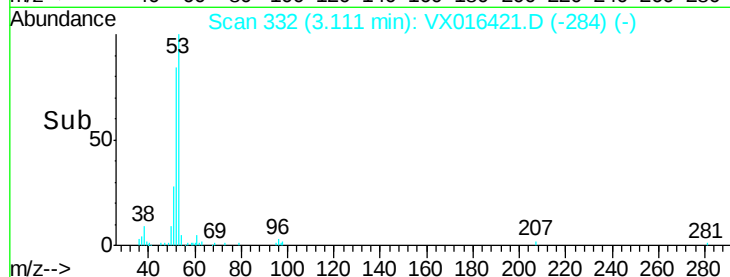
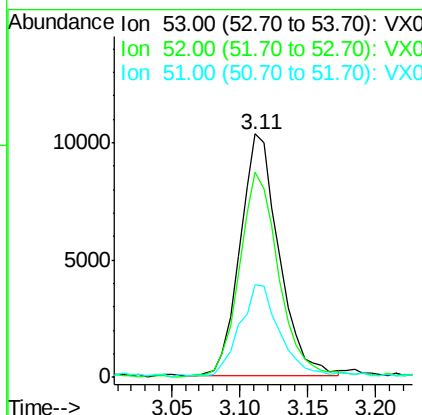
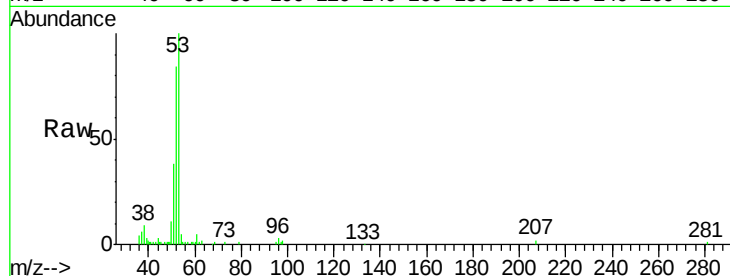
#15
 Acrylonitrile
 Concen: 28.017 ug/l
 RT: 3.11 min Scan# 332
 Delta R.T. -0.01 min
 Lab File: VX016421.D
 Acq: 26 May 2020 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	53	Resp:	20676
Ion	Ratio	Lower	Upper
53	100		
52	86.9	65.4	98.2
51	40.2	28.4	42.6

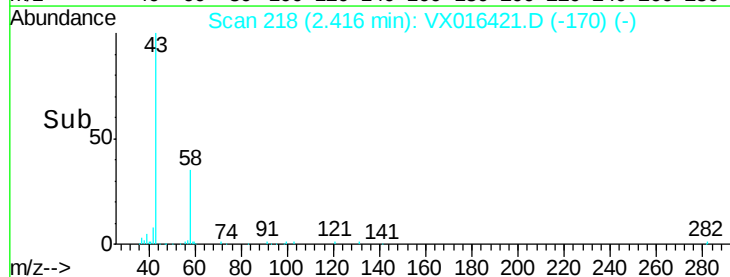
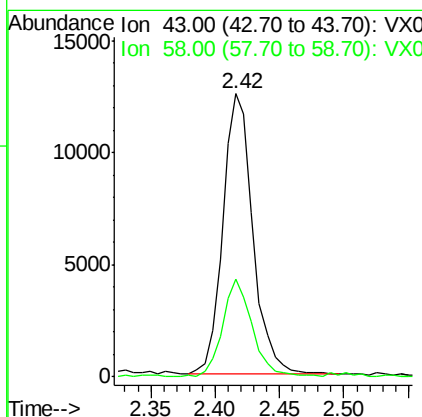
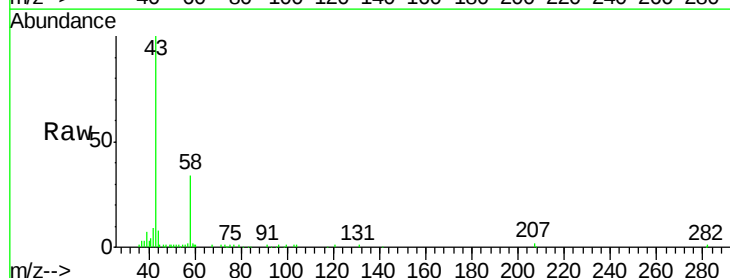
Manual Integrations
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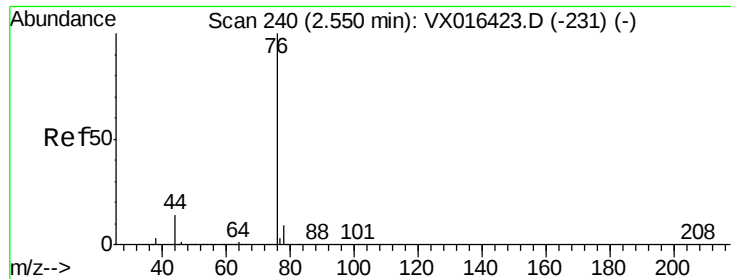
MMDadoda
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#16
 Acetone
 Concen: 32.538 ug/l
 RT: 2.42 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VX016421.D
 Acq: 26 May 2020 12:54

Tgt Ion:	43	Resp:	20445
Ion	Ratio	Lower	Upper
43	100		
58	34.3	26.0	39.0





#17

Carbon Disulfide

Concen: 4.681 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 17807

Ion Ratio Lower Upper

76 100

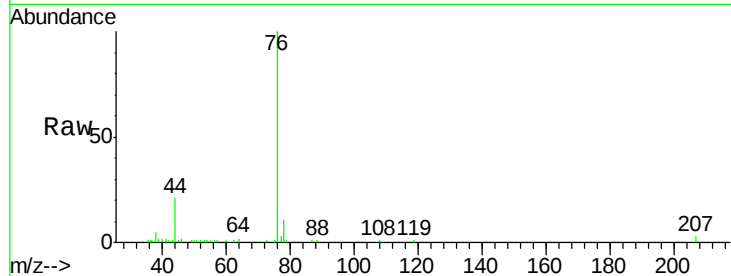
78 10.3 7.4 11.0

Manual Integrations

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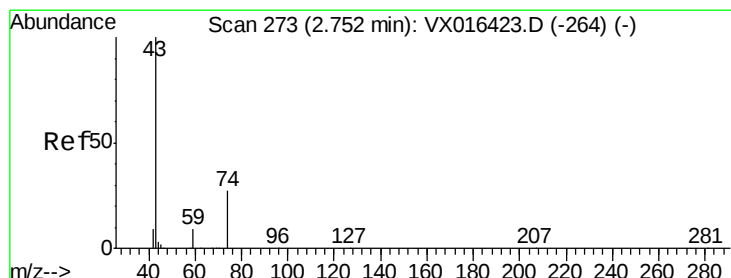
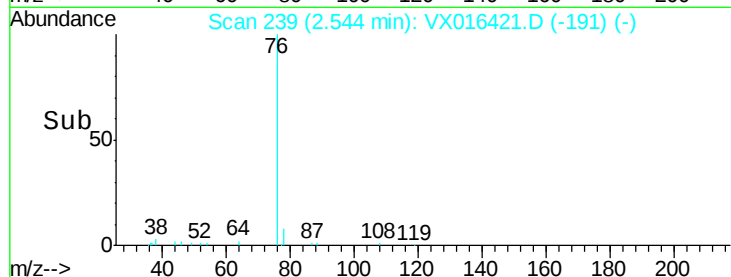
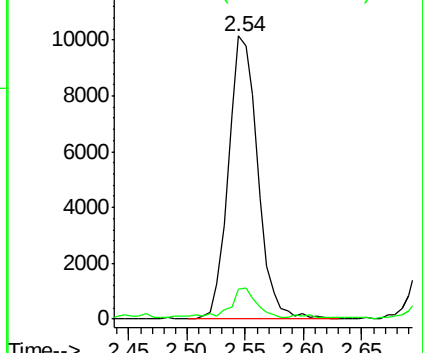
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 6.375 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX016421.D

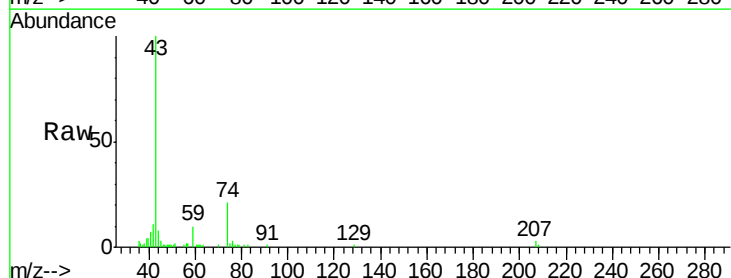
Acq: 26 May 2020 12:54

Tgt Ion: 43 Resp: 9843

Ion Ratio Lower Upper

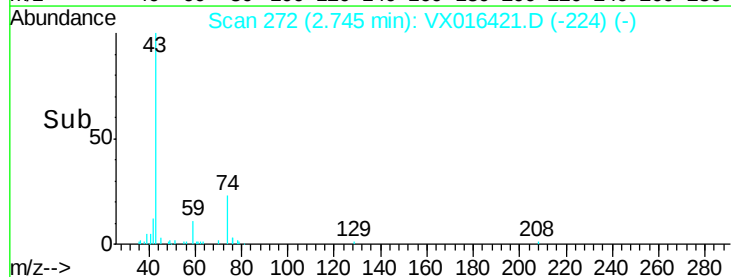
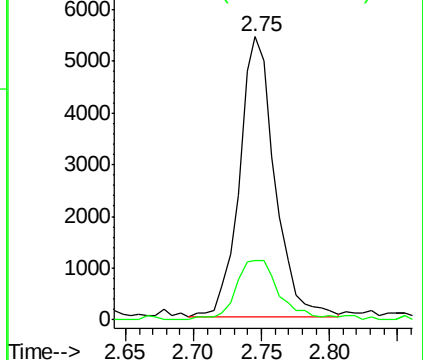
43 100

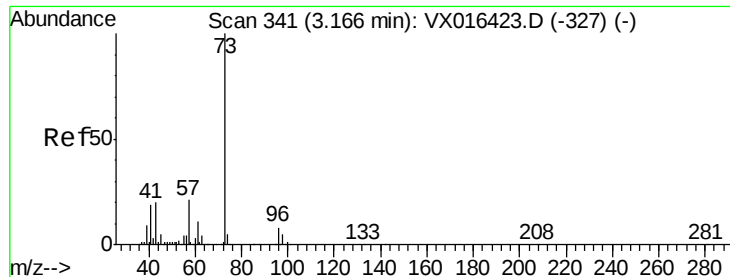
74 26.3 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





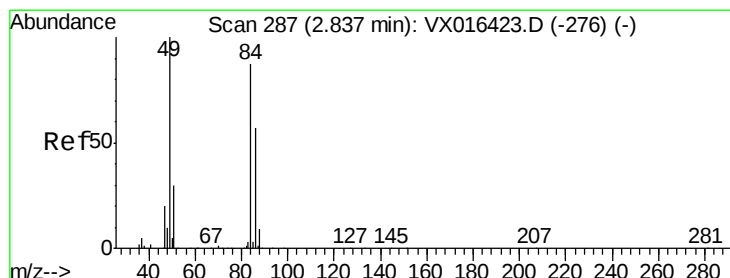
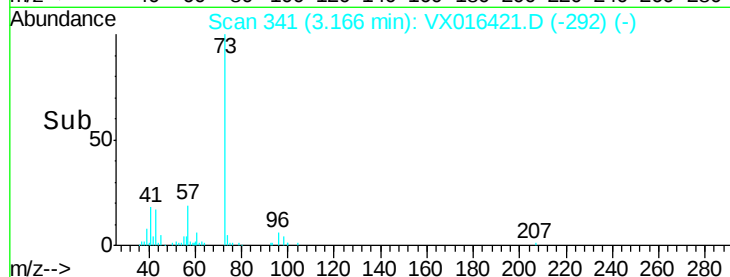
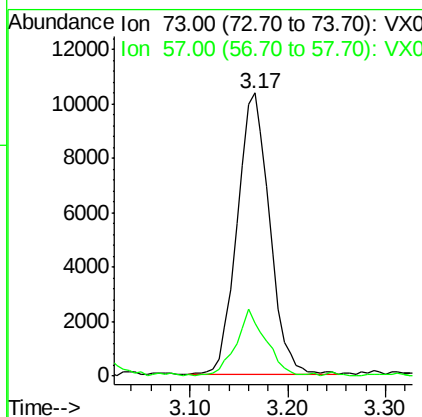
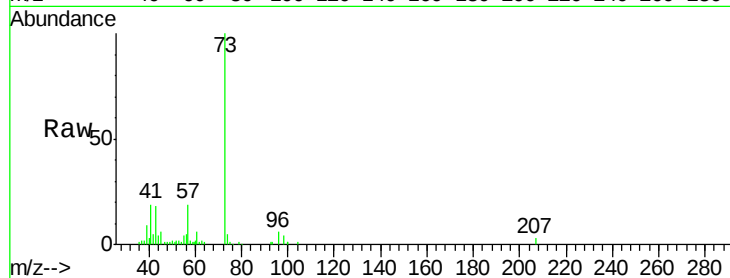
#19
Methvl tert-butvl Ether
Concen: 6.121 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	73	Resp	23748
Ion Ratio	Lower	Upper	
73	100		
57	18.6	17.3	25.9

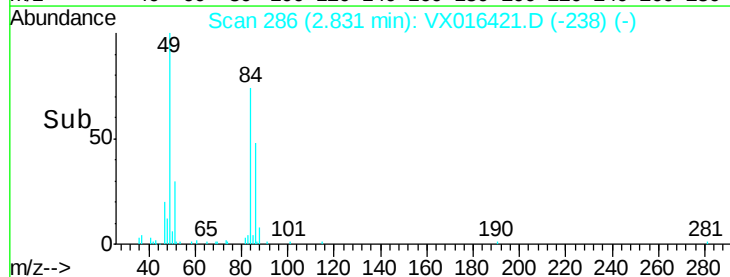
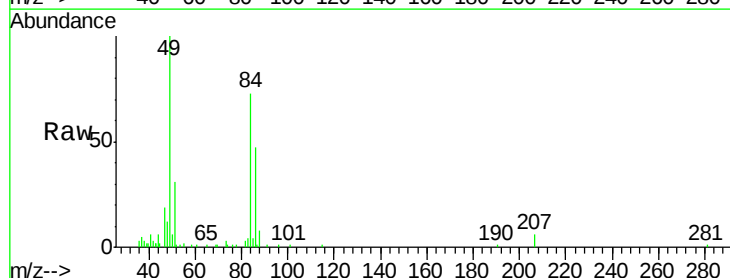
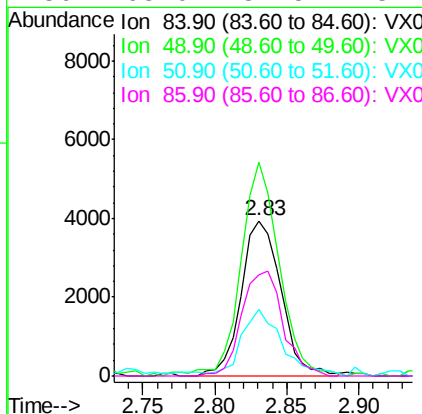
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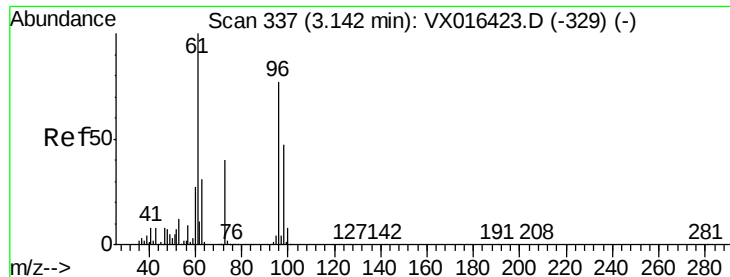
MMDadoda
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#20
Methylene Chloride
Concen: 5.765 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Tgt Ion	84	Resp	7539
Ion Ratio	Lower	Upper	
84	100		
49	135.6	92.2	138.4
51	40.7	27.8	41.8
86	65.0	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 5.985 ug/l

RT: 3.14 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

Instrument :

MSVOA_X

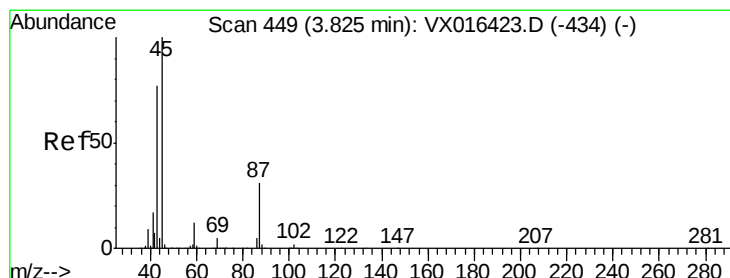
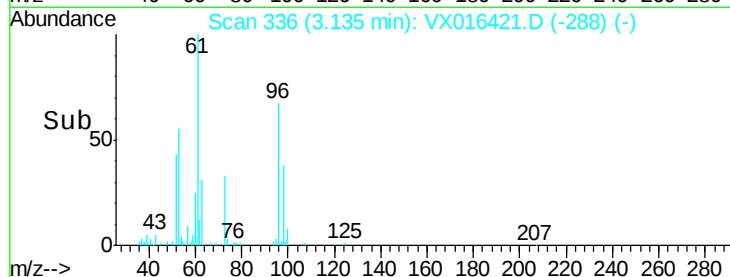
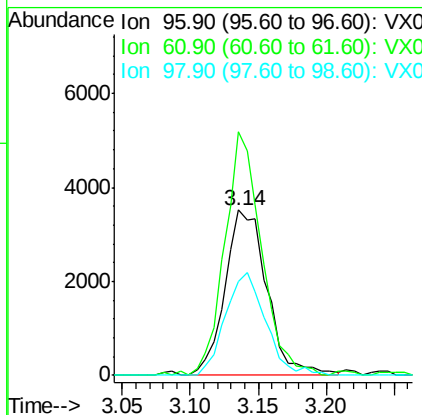
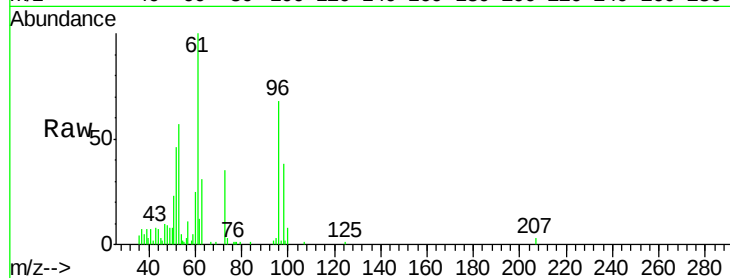
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	7570
Ion	Ratio	Lower	Upper
96	100		
61	147.2	104.3	156.5
98	56.6	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 5.738 ug/l

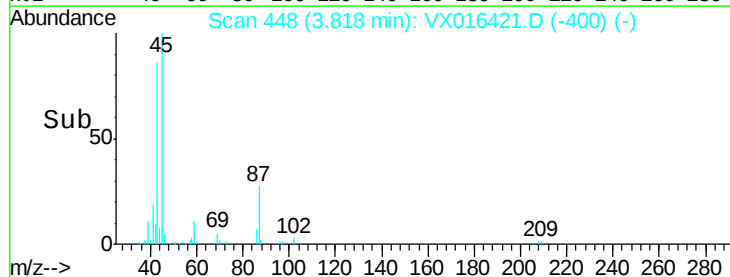
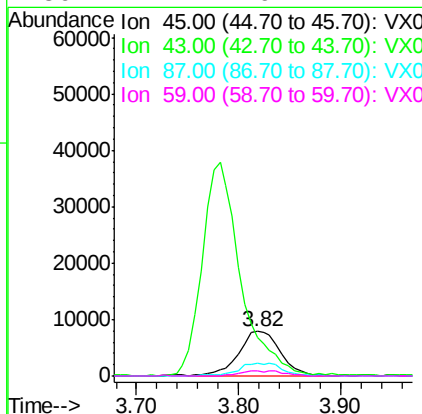
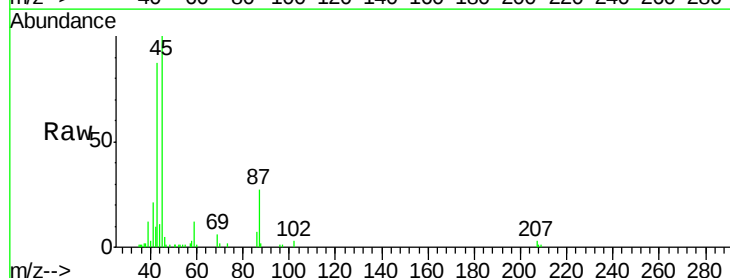
RT: 3.82 min Scan# 448

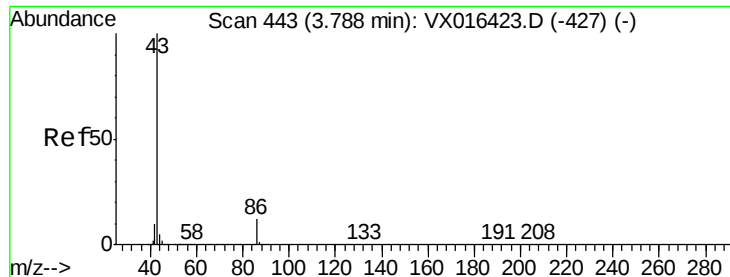
Delta R.T. -0.01 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

Tgt Ion:	45	Resp:	22211
Ion	Ratio	Lower	Upper
45	100		
43	85.9	61.4	92.2
87	27.0	24.4	36.6
59	12.2	9.4	14.2





#23

Vinyl Acetate

Concen: 29.201 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 99263

Ion Ratio Lower Upper

43 100

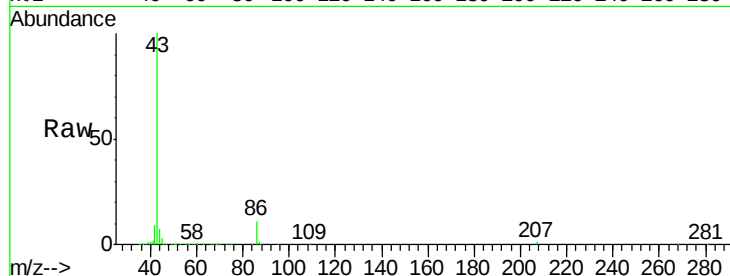
86 11.0 9.8 14.8

Manual Integrations

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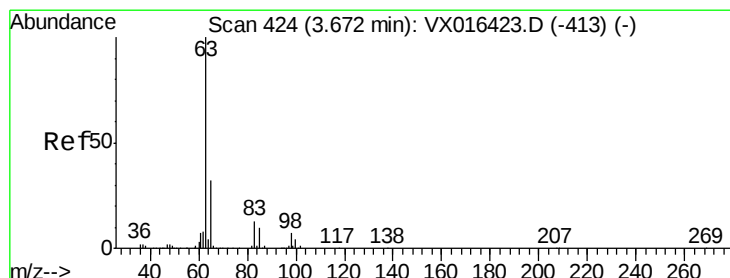
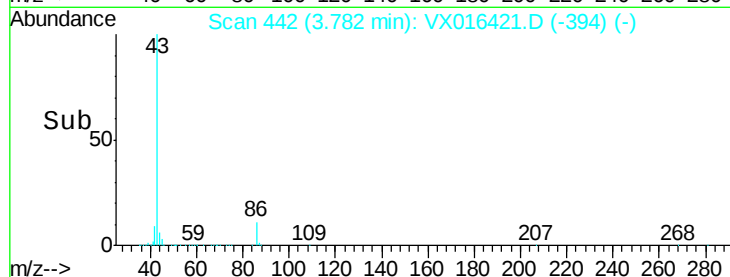
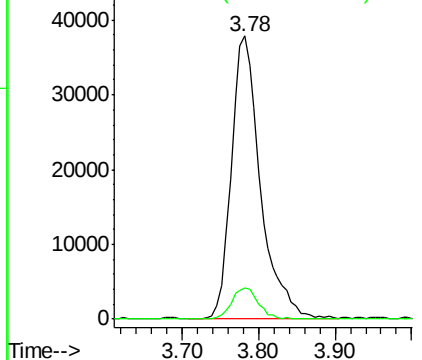
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 6.056 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

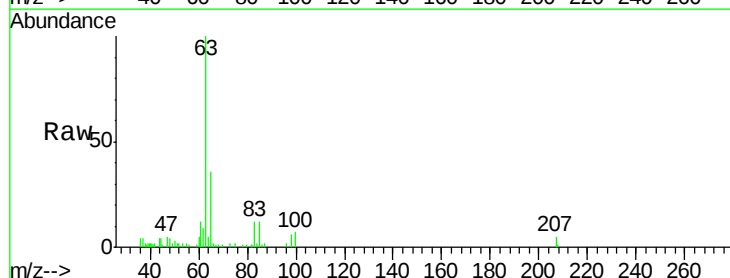
Tgt Ion: 63 Resp: 13200

Ion Ratio Lower Upper

63 100

98 6.3 3.6 10.8

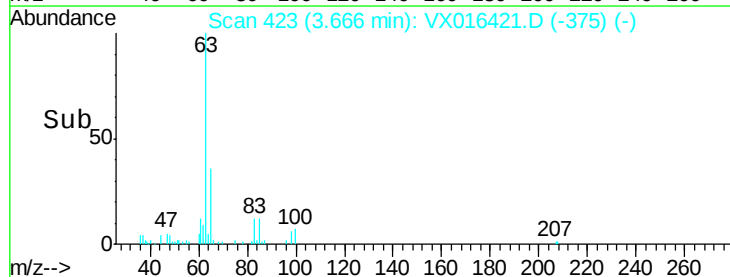
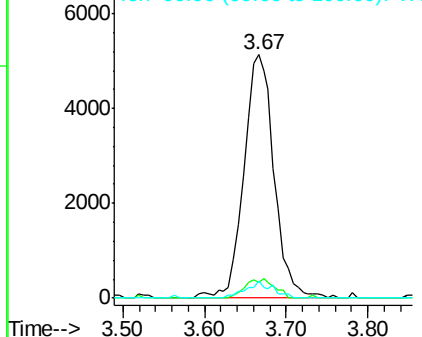
100 6.9 2.1 6.5#

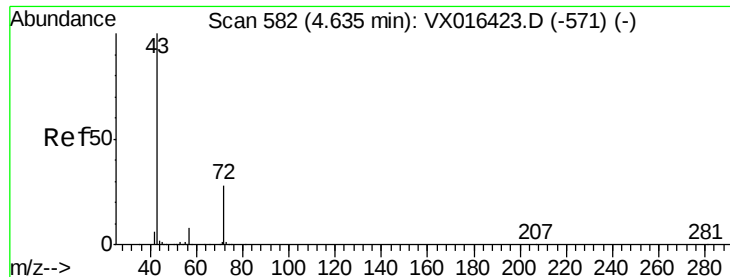


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 30.814 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 31237

Ion Ratio Lower Upper

43 100

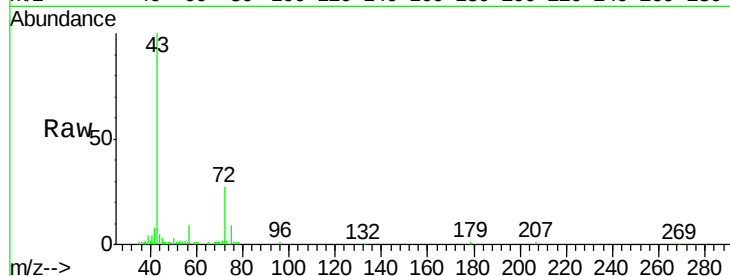
72 27.4 22.7 34.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

12000

10000

8000

6000

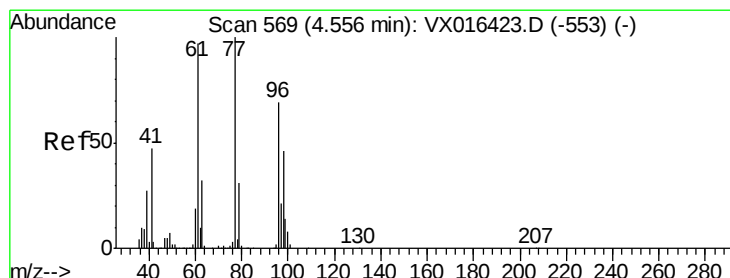
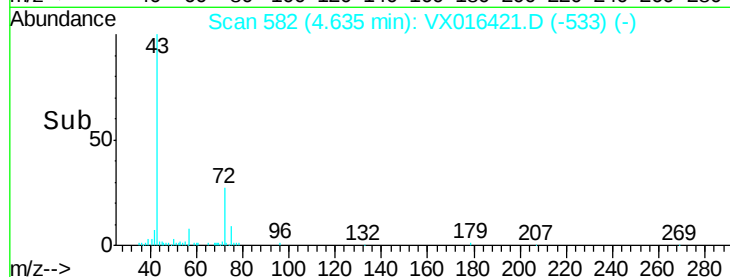
4000

2000

0

4.50 4.60 4.70

Time-->



#26

2,2-Dichloropropane

Concen: 5.922 ug/l

RT: 4.54 min Scan# 567

Delta R.T. -0.01 min

Lab File: VX016421.D

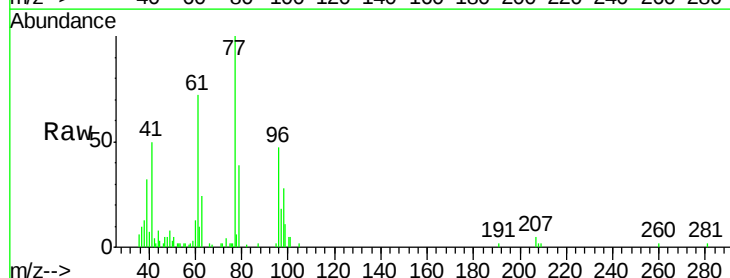
Acq: 26 May 2020 12:54

Tgt Ion: 77 Resp: 11817

Ion Ratio Lower Upper

77 100

97 12.9 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4000

3000

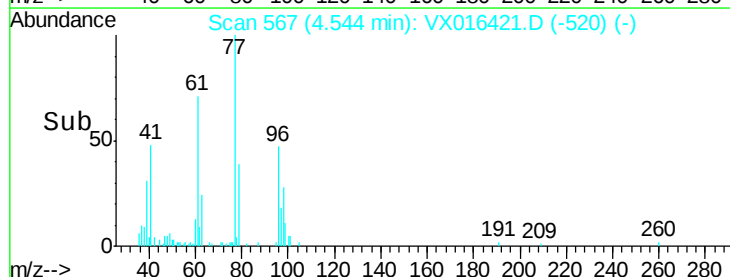
2000

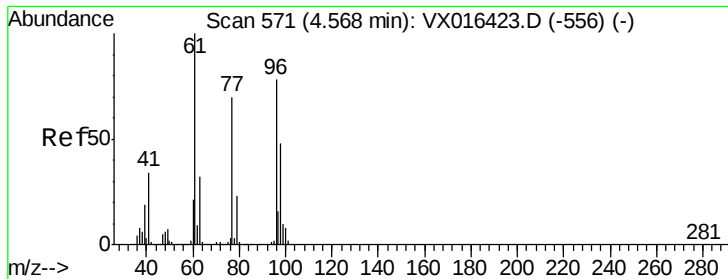
1000

0

4.40 4.50 4.60

Time-->





#27

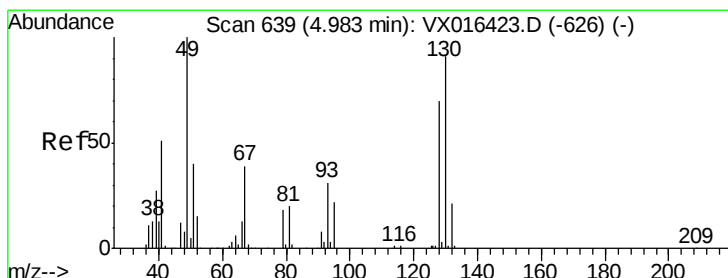
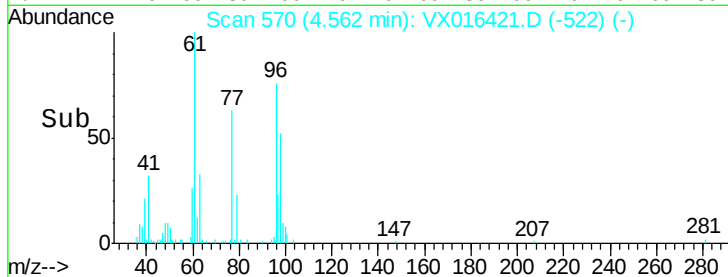
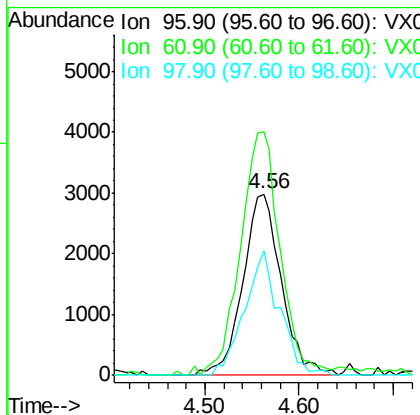
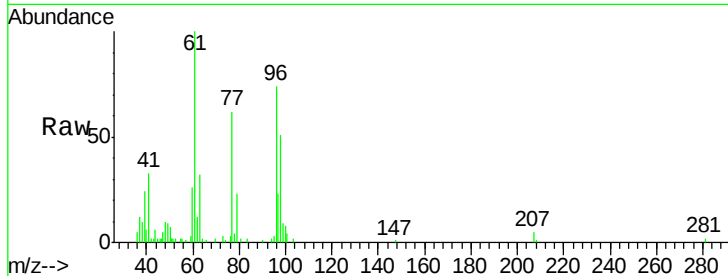
cis-1,2-Dichloroethene
Concen: 6.144 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.0	0.0	271.0
98	63.2	0.0	127.6

Manual Integrations
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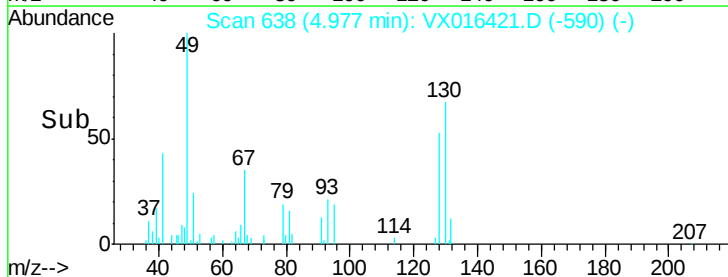
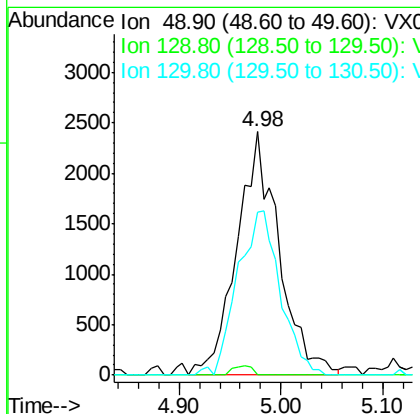
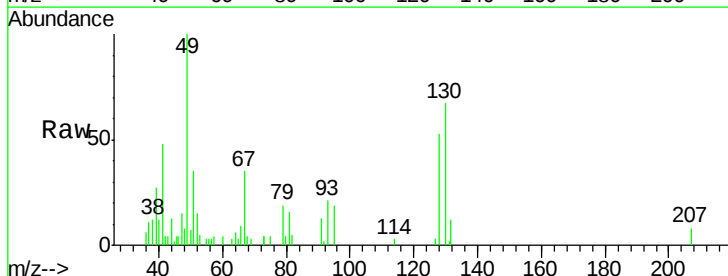
MMDadoda
5/27/2020 12:27:09 PM

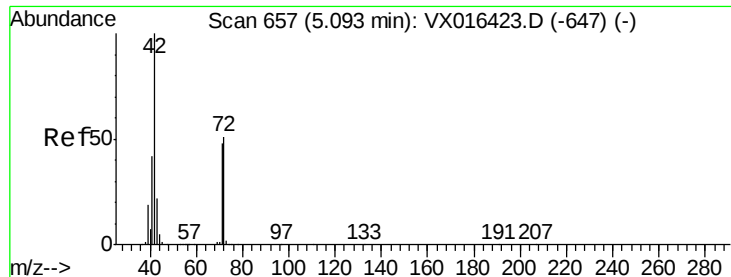


#28

Bromochloromethane
Concen: 6.915 ug/l
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.8
130	68.3	71.2	106.8#





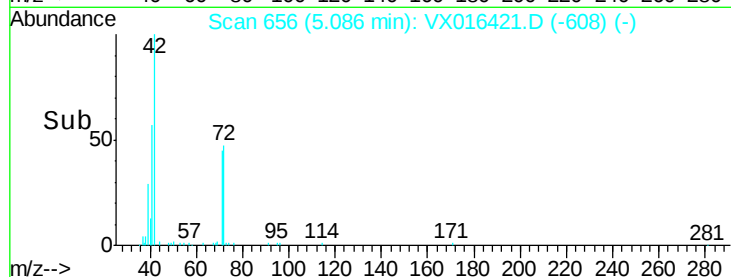
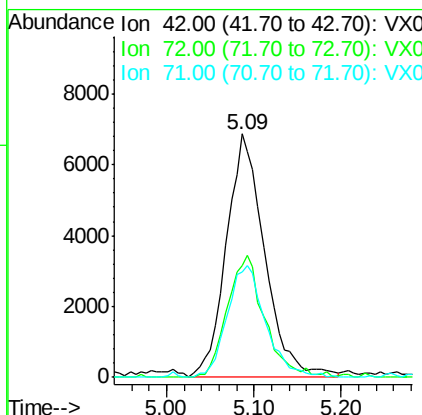
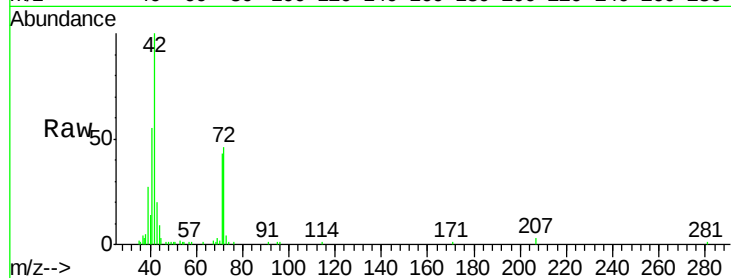
#29
Tetrahydrofuran
Concen: 31.164 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	42	Resp:	20904
Ion	Ratio	Lower	Upper
42	100		
72	48.5	40.2	60.4
71	46.1	37.7	56.5

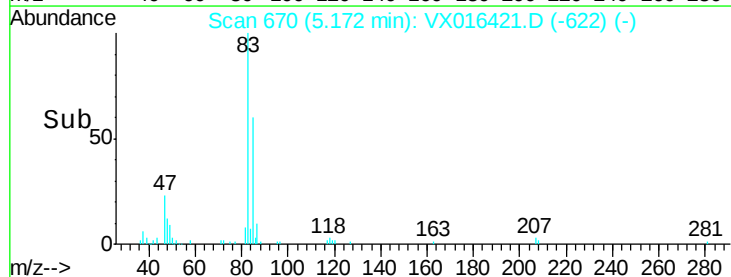
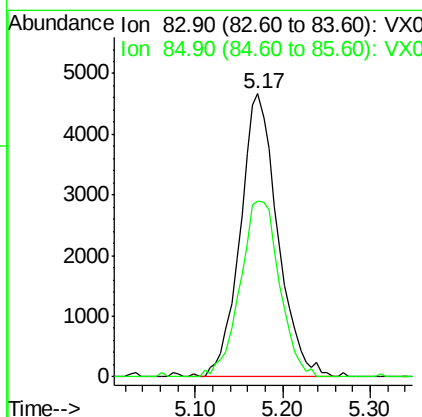
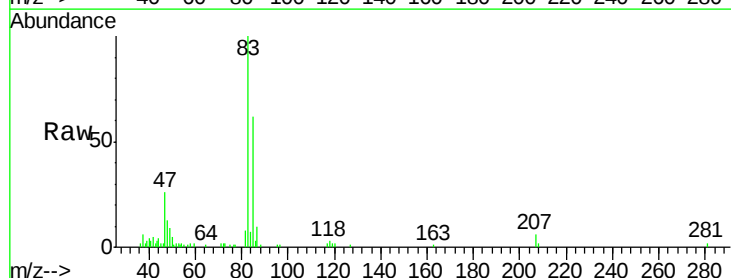
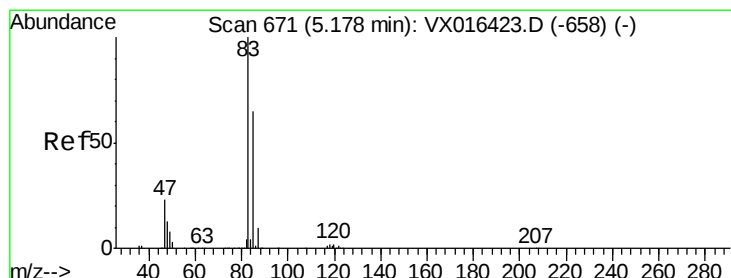
Manual Integrations
APPROVED

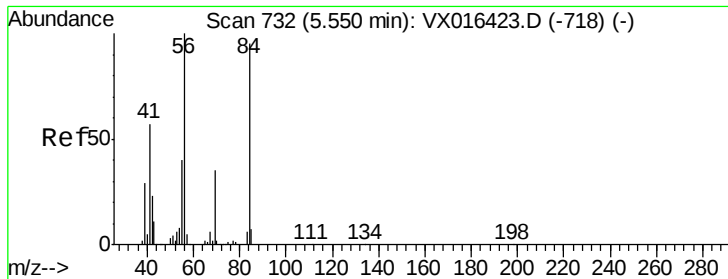
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#30
Chloroform
Concen: 6.323 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Tgt Ion:	83	Resp:	13857
Ion	Ratio	Lower	Upper
83	100		
85	62.0	52.1	78.1





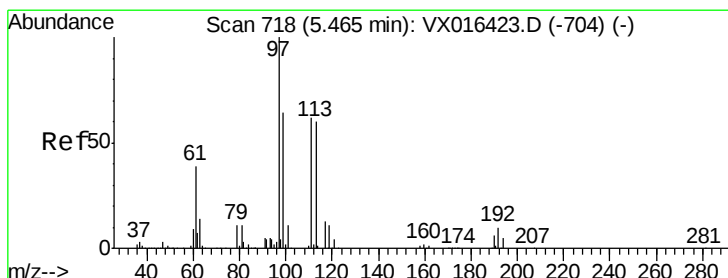
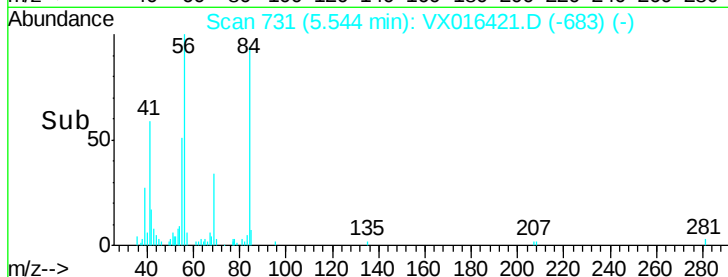
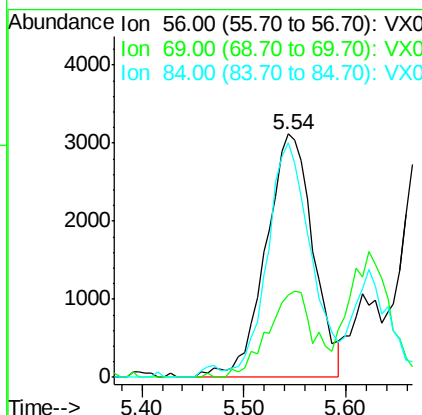
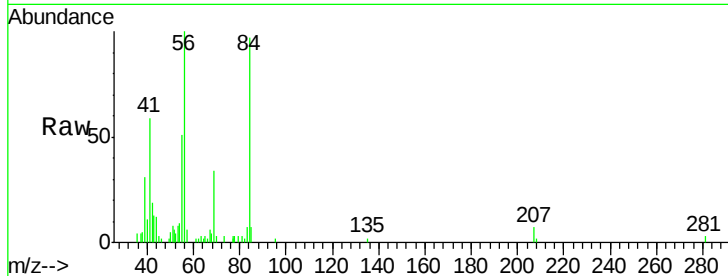
#31
Cyclohexane
Concen: 5.151 ug/l
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	33.9	27.7	41.5	
84	96.5	76.1	114.1	

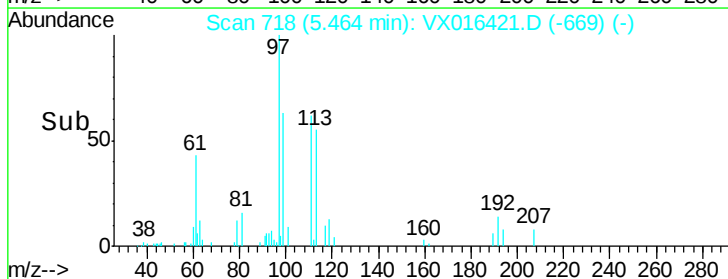
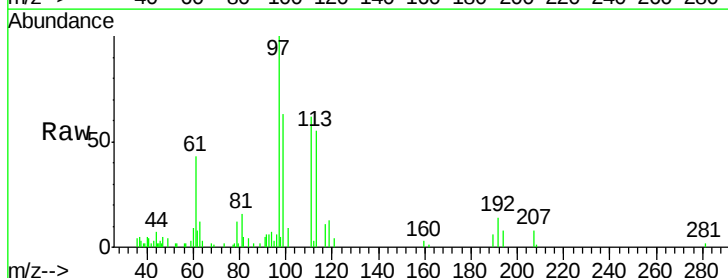
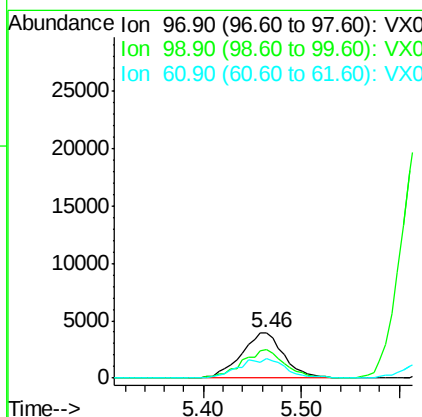
Manual Integrations
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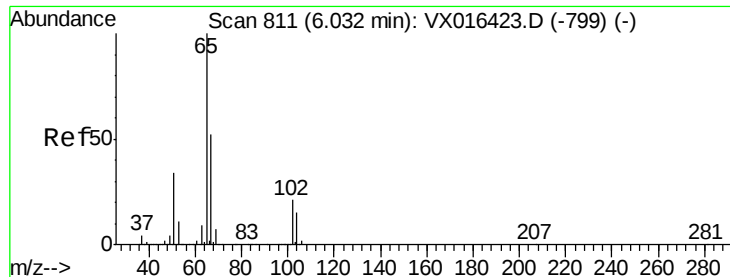
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#32
1,1,1-Trichloroethane
Concen: 5.972 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	62.8	51.1	76.7	
61	47.3	33.1	49.7	





#33

1,2-Dichloroethane-d4

Concen: 6.482 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 9391

Ion Ratio Lower Upper

65 100

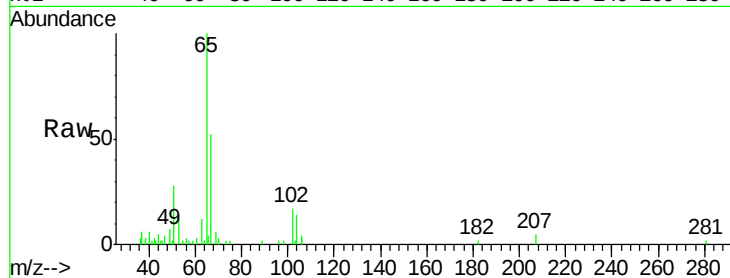
67 53.6 0.0 104.2

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

4000

3000

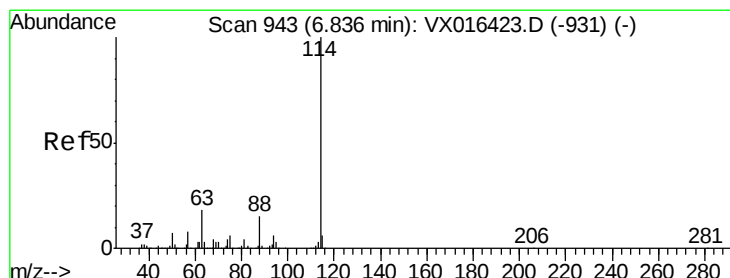
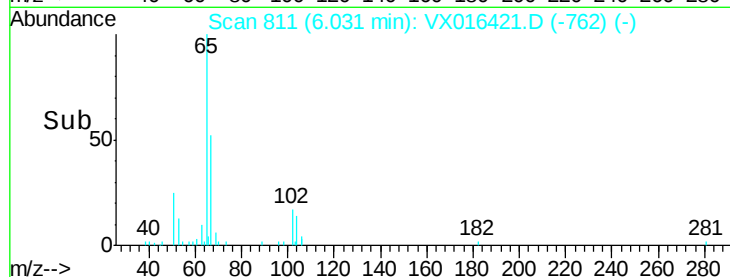
2000

1000

0

5.95 6.00 6.05 6.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

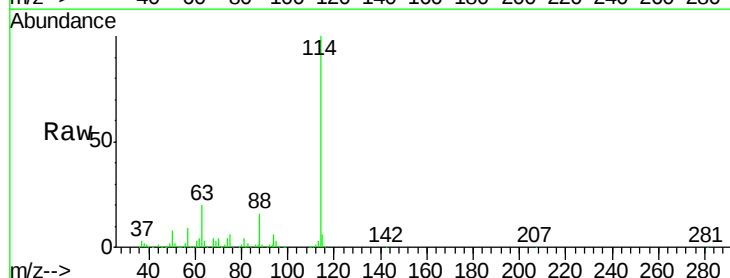
Tgt Ion: 114 Resp: 198072

Ion Ratio Lower Upper

114 100

63 19.8 0.0 36.4

88 16.0 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.83

100000

80000

60000

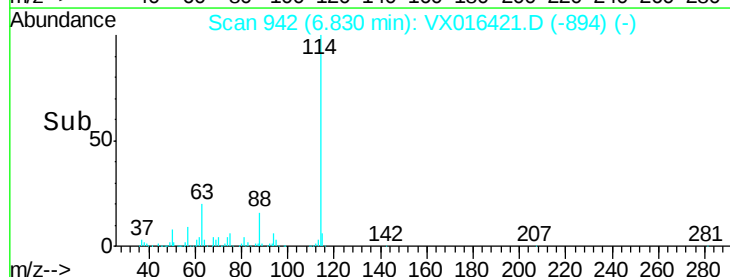
40000

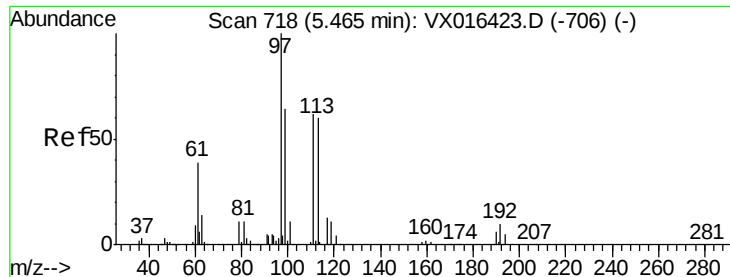
20000

0

6.70 6.80 6.90

Time-->





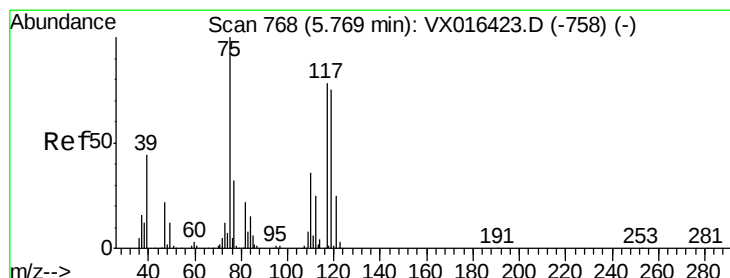
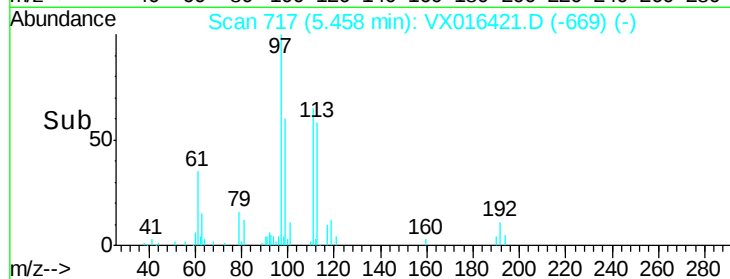
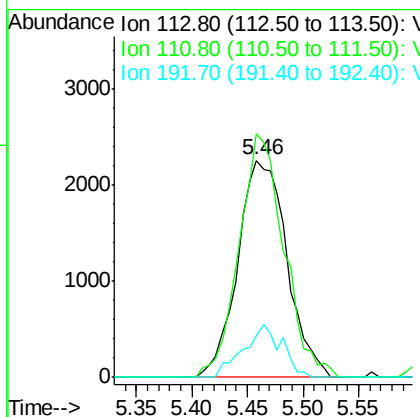
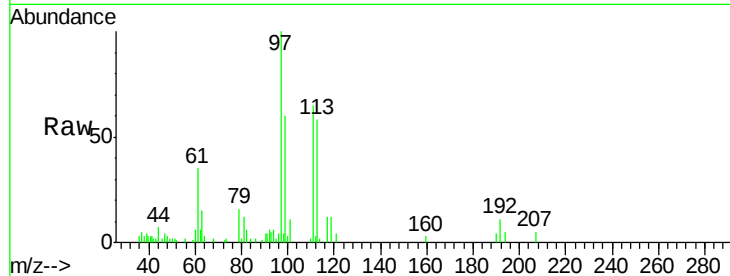
#35
 Dibromofluoromethane
 Concen: 5.441 ug/l
 RT: 5.46 min Scan# 717
 Delta R.T. -0.01 min
 Lab File: VX016421.D
 Acq: 26 May 2020 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.5	123.7
192	18.8	16.5	24.7

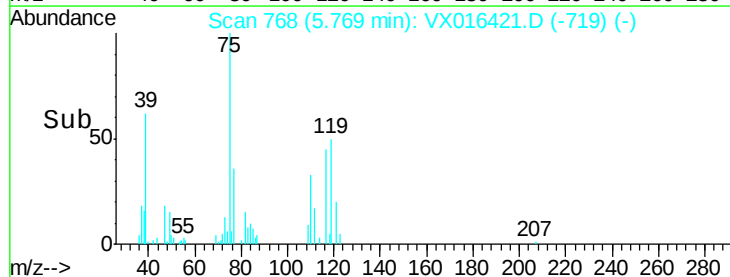
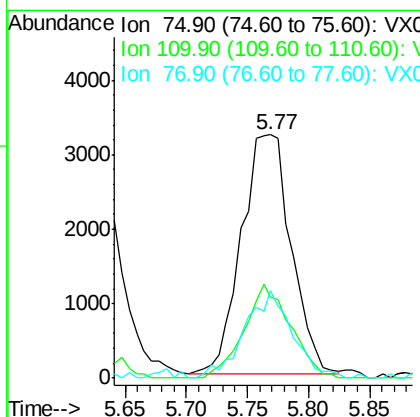
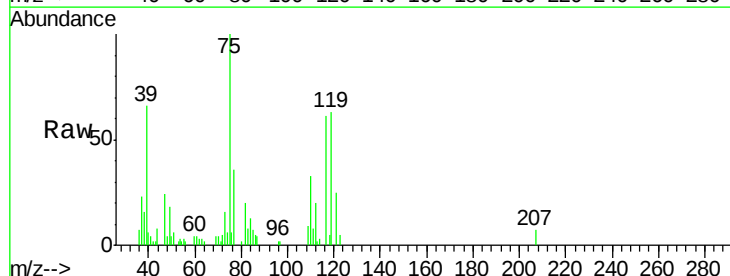
Manual Integrations
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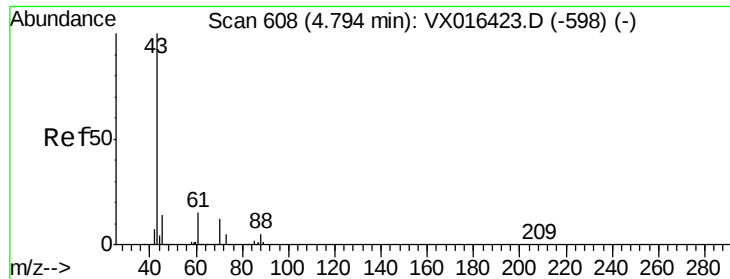
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#36
 1,1-Dichloropropene
 Concen: 4.705 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX016421.D
 Acq: 26 May 2020 12:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.7	56.1
77	35.1	24.9	37.3





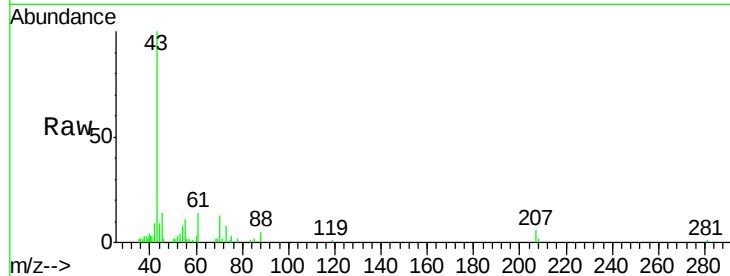
#37
Ethyl Acetate
Concen: 5.595 ug/l
RT: 4.79 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

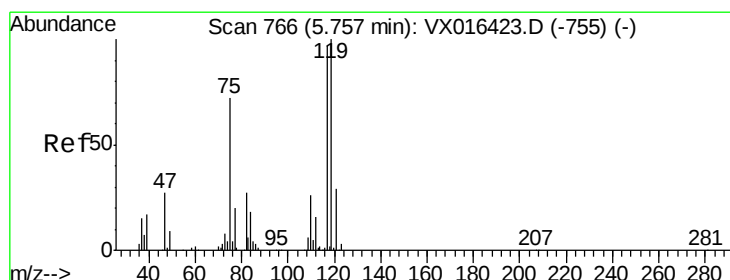
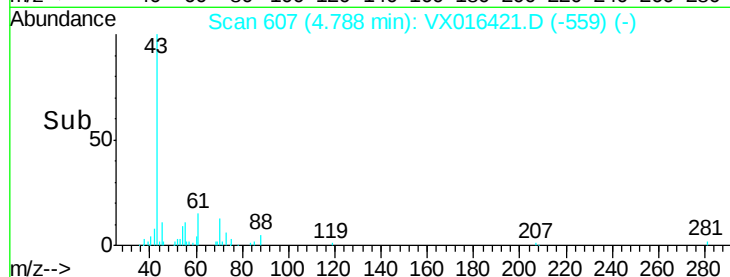
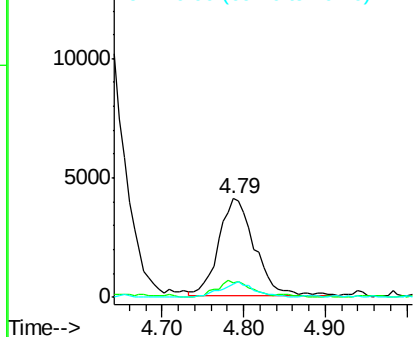
Tot Ion	Ratio	Lower	Upper
43	100		
61	16.2	11.8	17.8
70	14.5	9.6	14.4#

Manual Integrations
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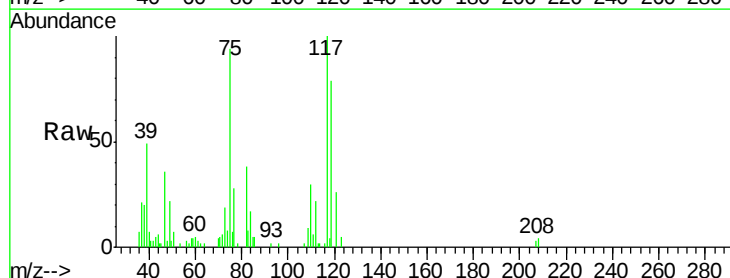


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

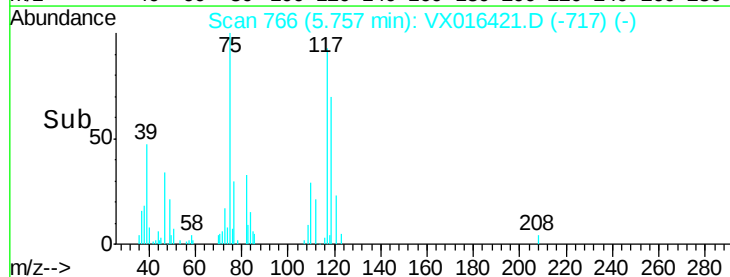
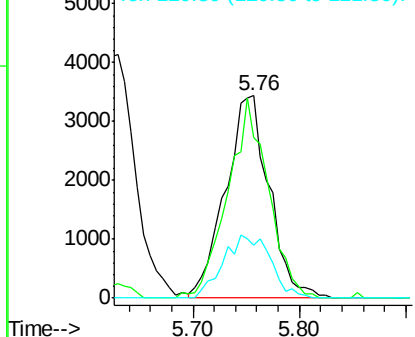


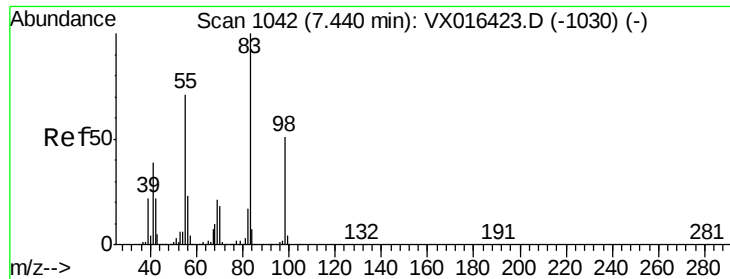
#38
Carbon Tetrachloride
Concen: 4.990 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	79.0	82.2	123.4#
121	25.9	24.1	36.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





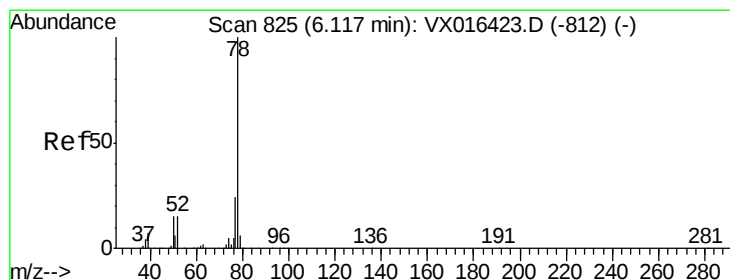
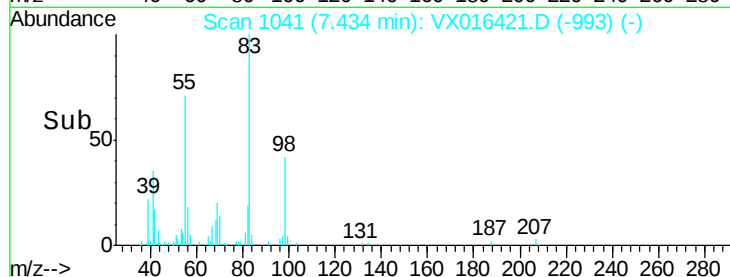
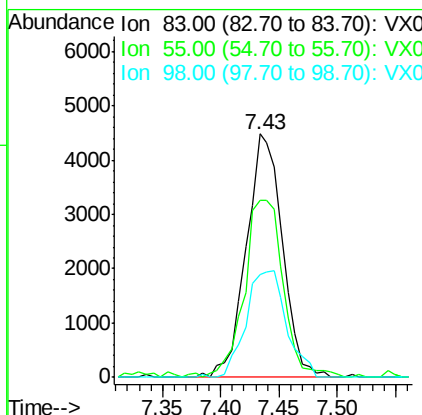
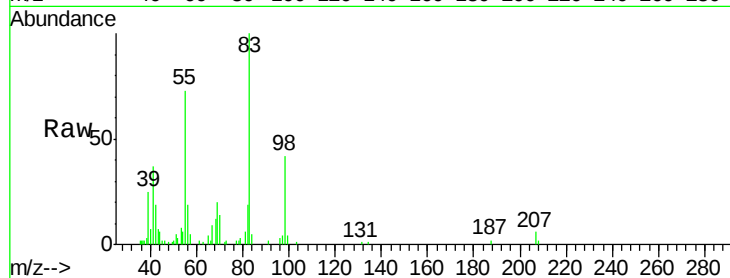
#39
Methvlcvclohexane
Concen: 4.235 ug/l
RT: 7.43 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.6	56.8	85.2
98	42.4	40.6	61.0

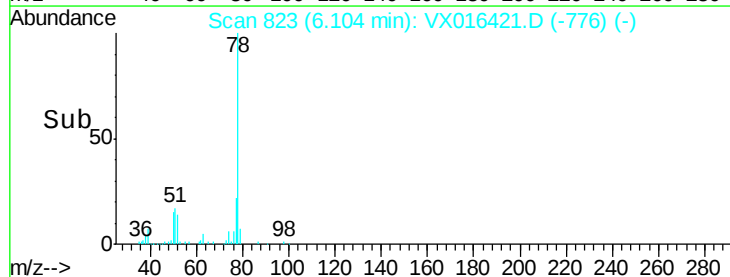
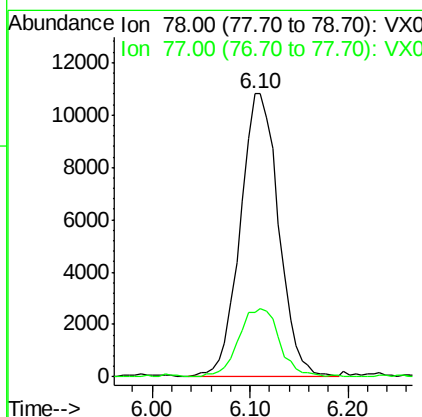
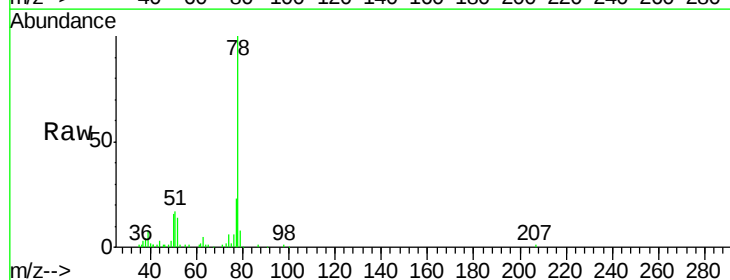
Manual Integrations
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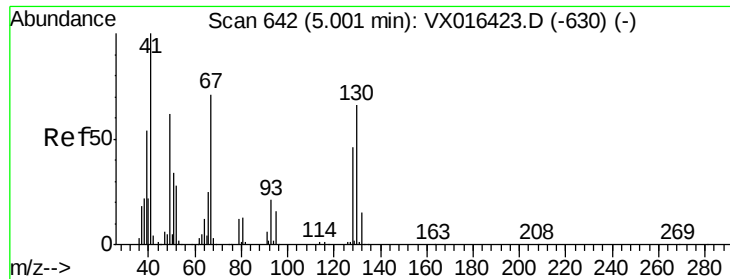
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#40
Benzene
Concen: 5.184 ug/l
RT: 6.10 min Scan# 823
Delta R.T. -0.01 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.9	28.3





#41

Methacrylonitrile

Concen: 4.953 ug/l

RT: 4.99 min Scan# 641

Delta R.T. -0.01 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 5908

Ion Ratio Lower Upper

41 100

39 68.9 44.4 66.6#

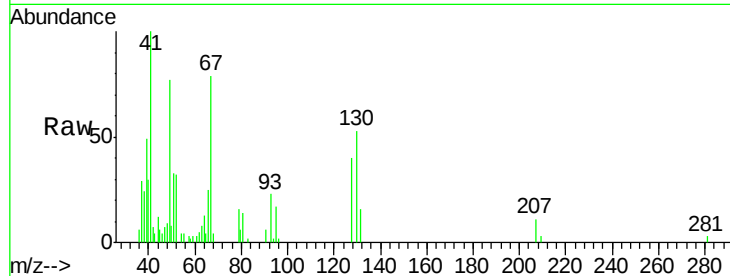
67 92.2 62.2 93.4

52 41.2 25.2 37.8#

Manual Integrations
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5/27/2020 12:27:09 PM

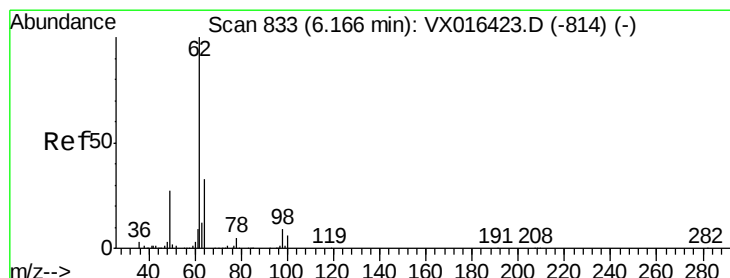
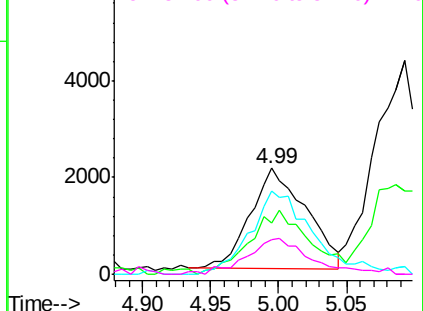
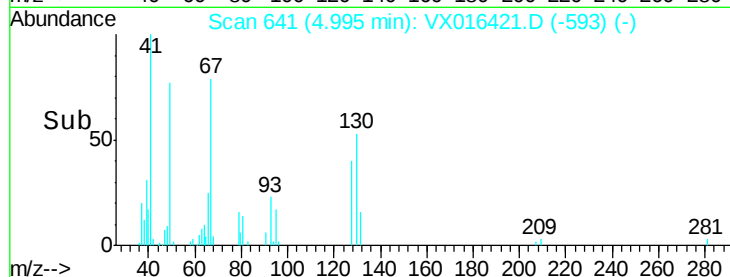


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 5.920 ug/l

RT: 6.15 min Scan# 831

Delta R.T. -0.01 min

Lab File: VX016421.D

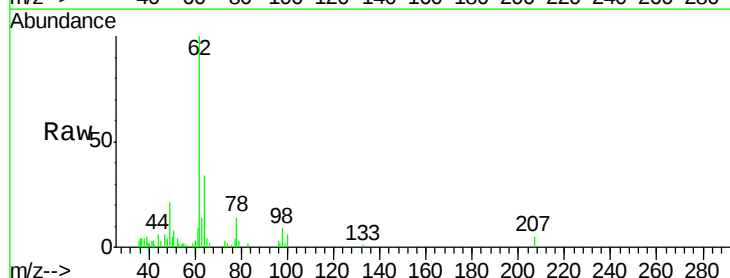
Acq: 26 May 2020 12:54

Tgt Ion: 62 Resp: 12091

Ion Ratio Lower Upper

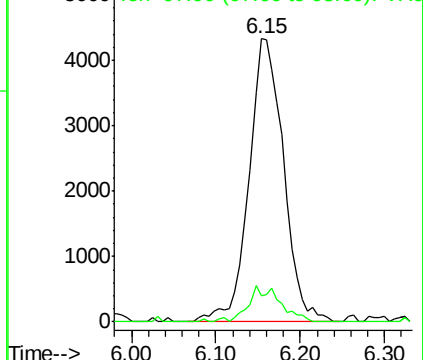
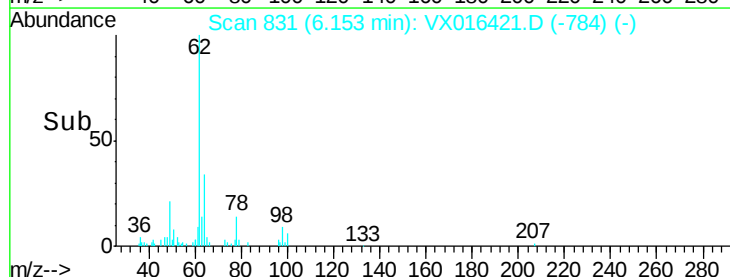
62 100

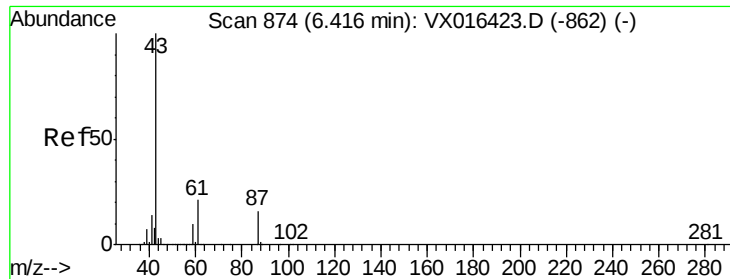
98 11.3 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

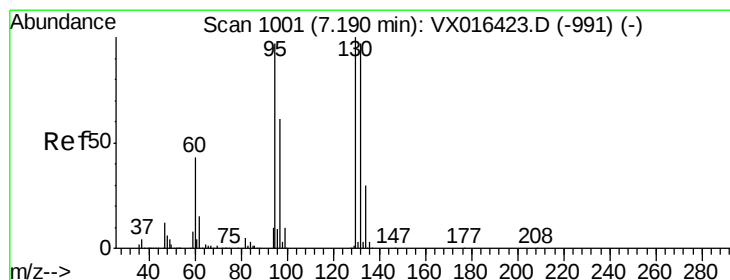
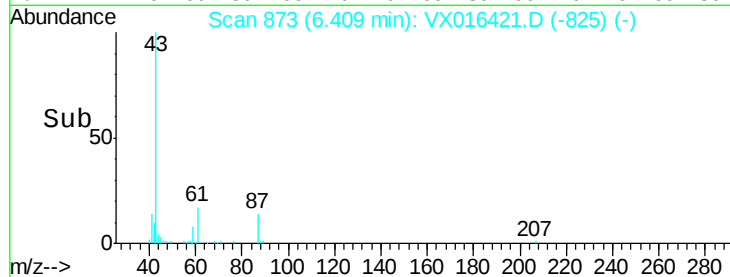
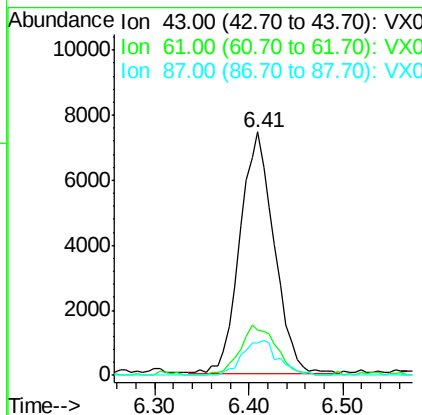
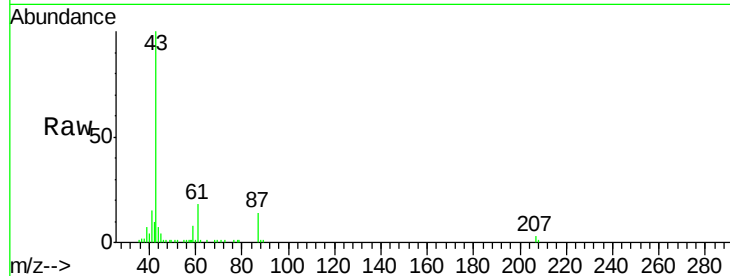
Isopropyl Acetate
 Concen: 5.337 ug/l
 RT: 6.41 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: VX016421.D
 Acq: 26 May 2020 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	43	Resp	18877
Ion Ratio	Lower	Upper	
43	100		
61	22.1	17.2	25.8
87	15.1	12.3	18.5

Manual Integrations
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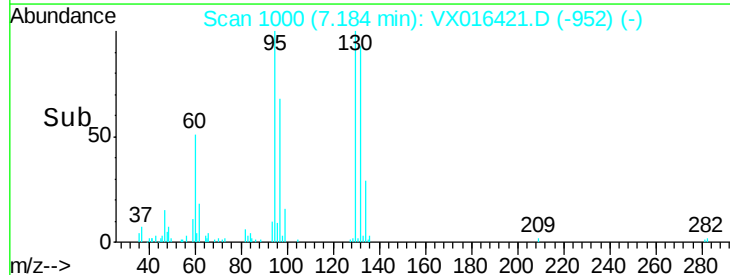
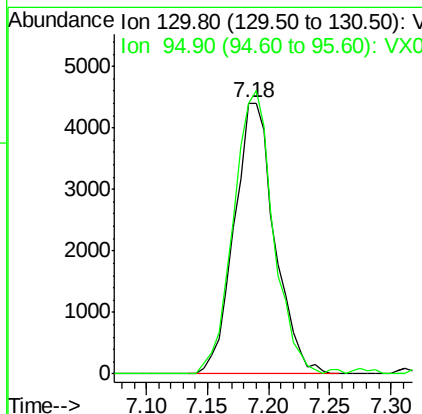
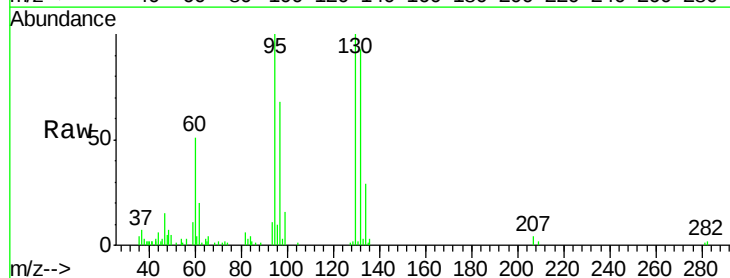
MMDadoda
 5/27/2020 12:27:09 PM

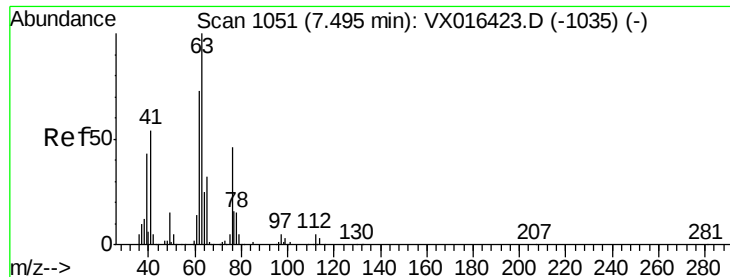


#44

Trichloroethene
 Concen: 5.021 ug/l
 RT: 7.18 min Scan# 1000
 Delta R.T. -0.01 min
 Lab File: VX016421.D
 Acq: 26 May 2020 12:54

Tgt Ion	130	Resp	10073
Ion Ratio	Lower	Upper	
130	100		
95	100.0	0.0	194.0





#45

1,2-Dichloropropane

Concen: 5.613 ug/l

RT: 7.48 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 8006

Ion Ratio Lower Upper

63 100

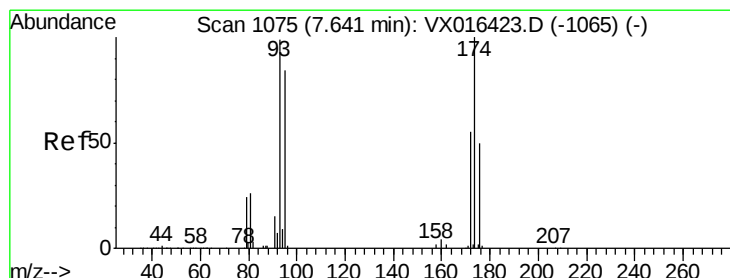
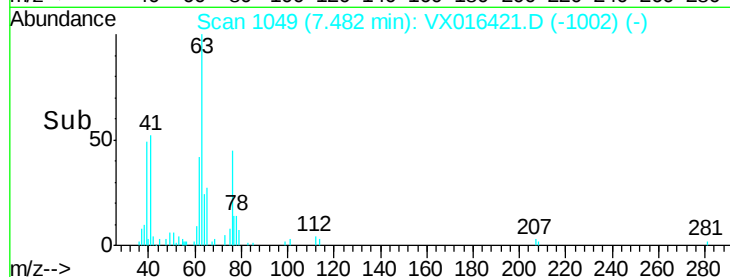
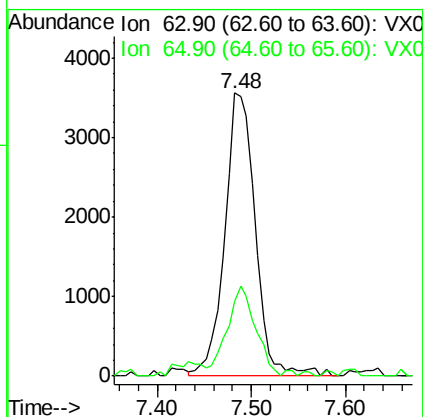
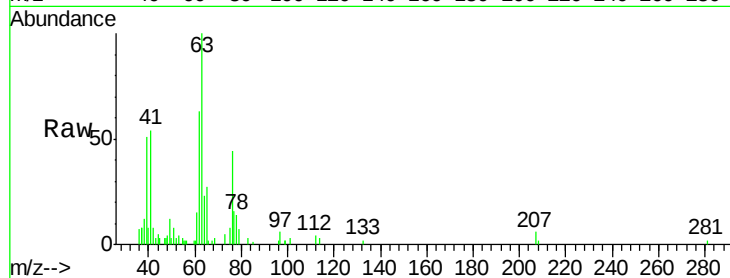
65 26.6 25.3 37.9

Manual Integrations

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#46

Dibromomethane

Concen: 5.501 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

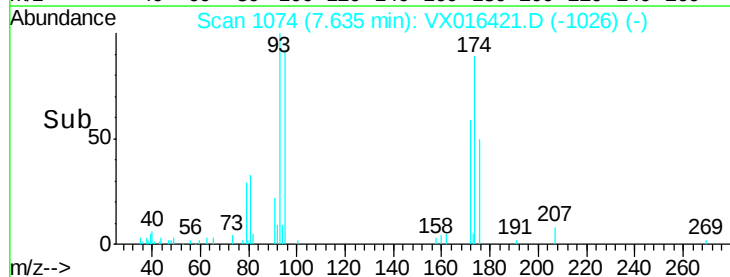
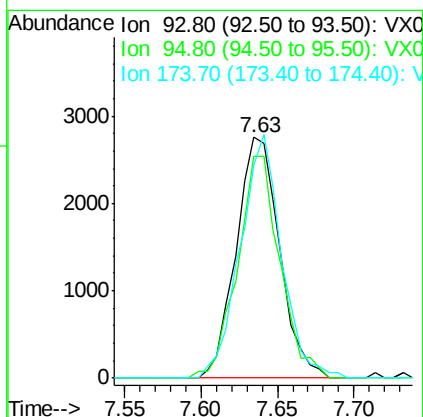
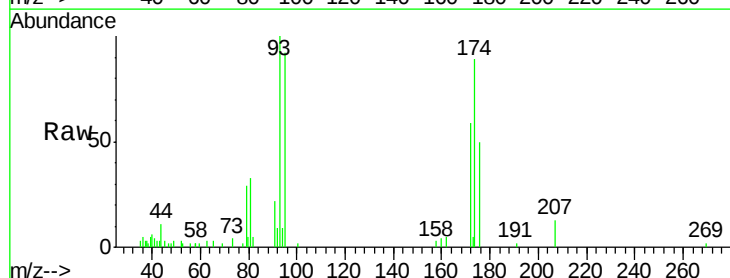
Tgt Ion: 93 Resp: 5424

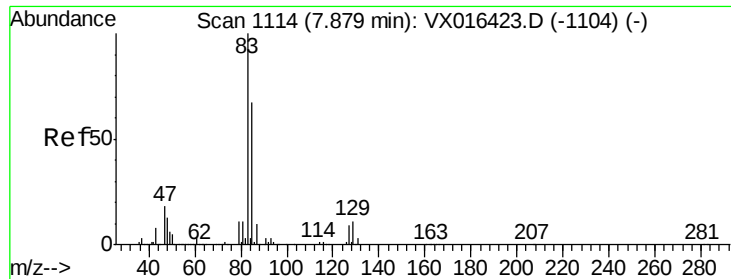
Ion Ratio Lower Upper

93 100

95 90.2 65.0 97.4

174 96.1 81.4 122.0





#47

Bromodichloromethane

Concen: 5.644 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

Instrument :

MSVOA_X

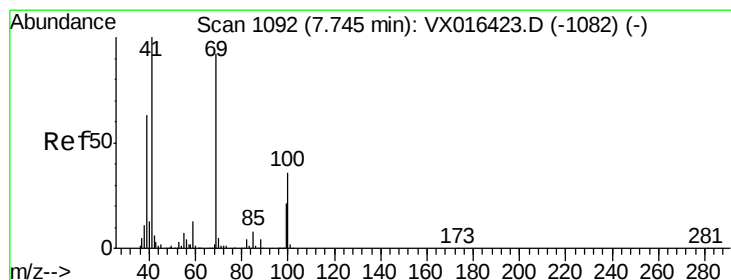
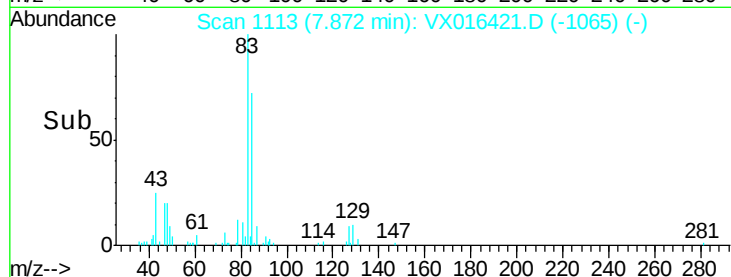
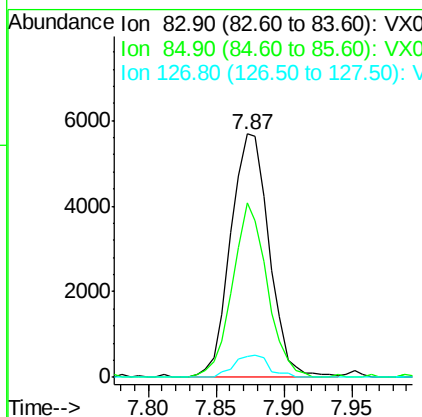
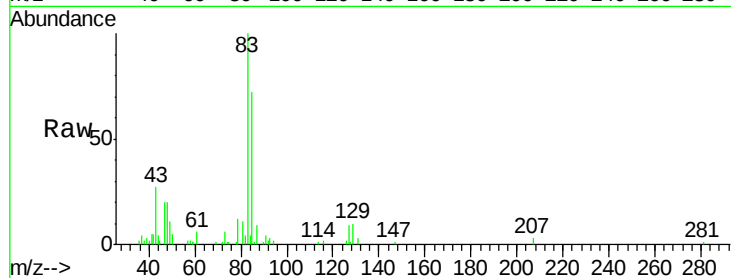
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	11238
Ion	Ratio	Lower	Upper
83	100		
85	71.7	53.8	80.8
127	8.7	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 5.250 ug/l

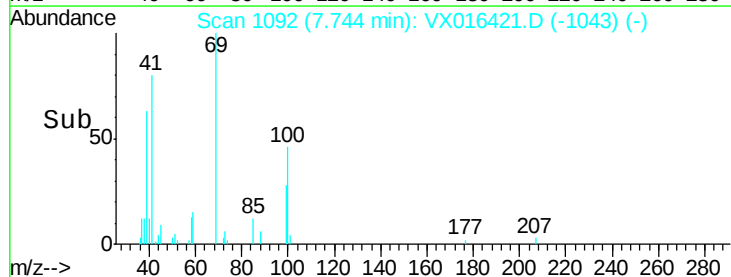
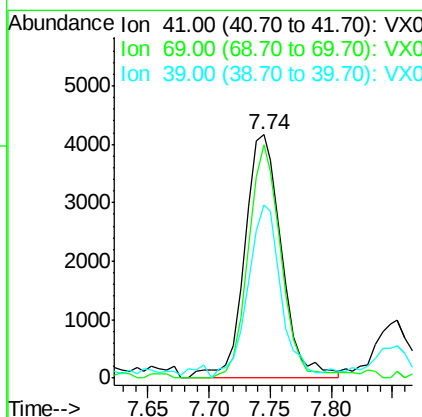
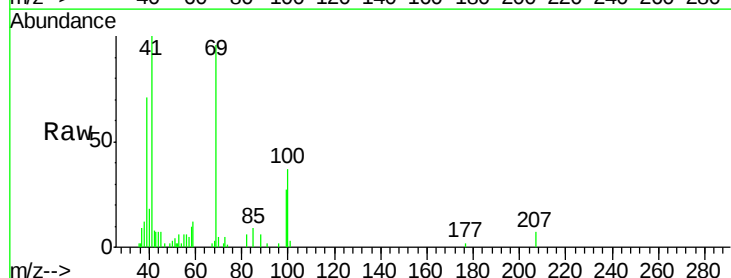
RT: 7.74 min Scan# 1092

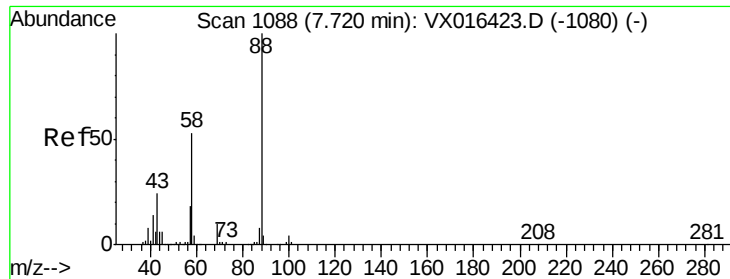
Delta R.T. -0.00 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

Tgt Ion:	41	Resp:	8749
Ion	Ratio	Lower	Upper
41	100		
69	86.0	71.8	107.8
39	63.6	48.6	73.0





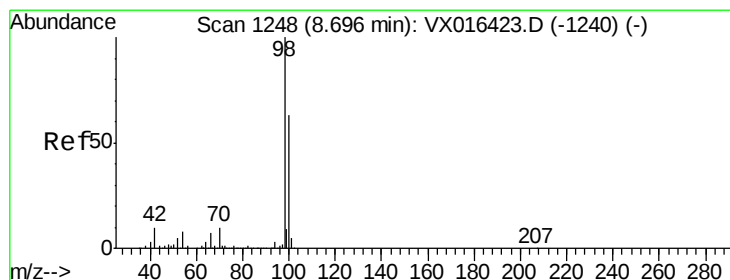
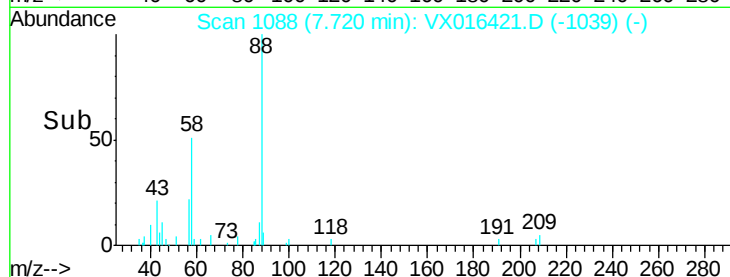
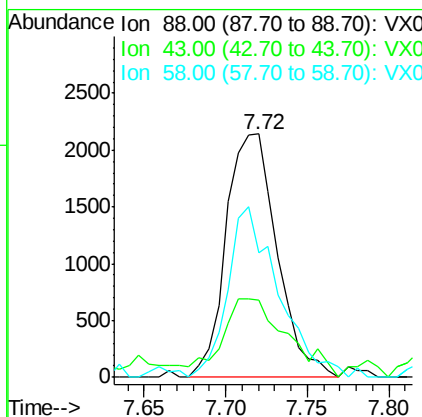
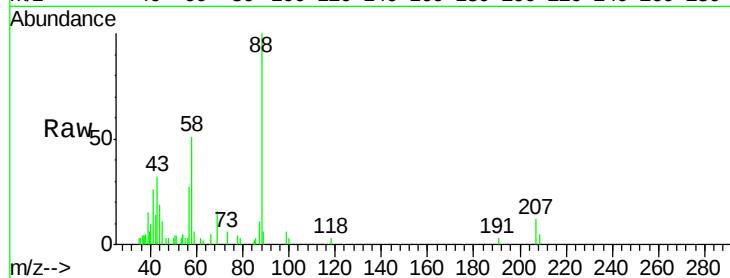
#49
1,4-Dioxane
Concen: 114.990 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.0	23.0	34.6#
58	70.0	51.7	77.5

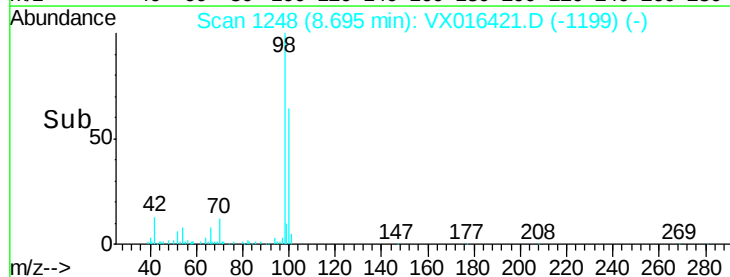
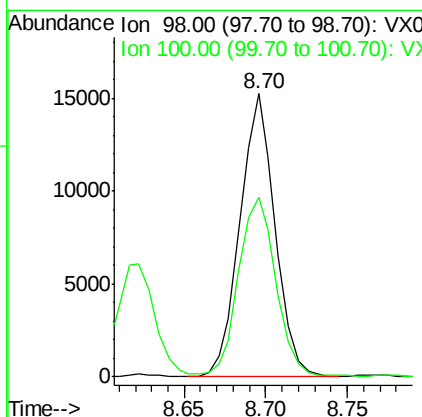
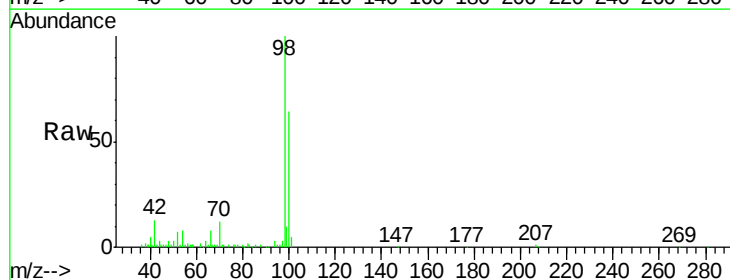
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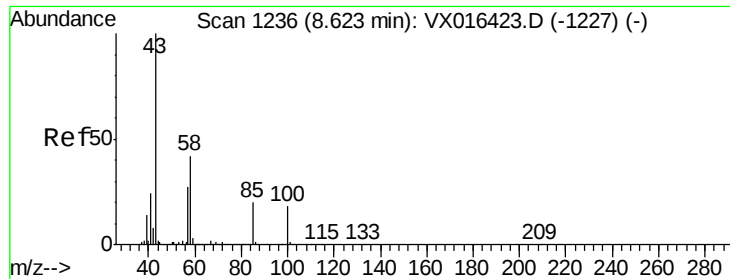
MMDadoda
5/27/2020 12:27:09 PM



#50
Toluene-d8
Concen: 4.659 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.2	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 26.389 ug/l

RT: 8.62 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 57180

Ion Ratio Lower Upper

43 100

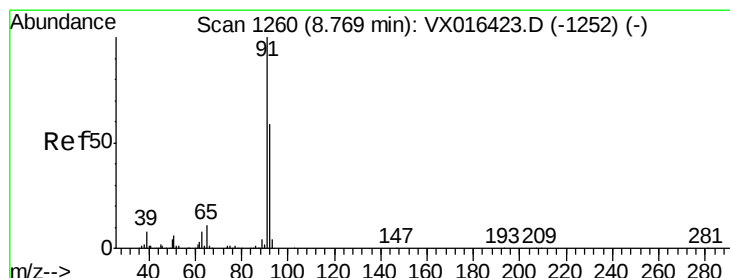
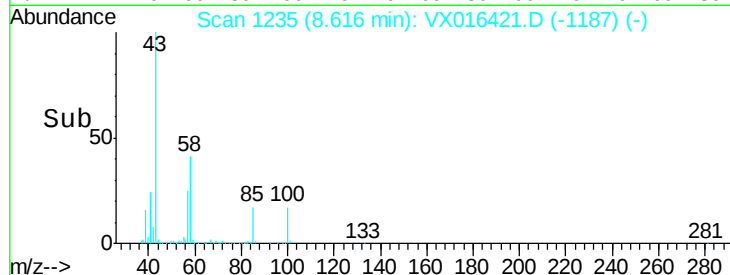
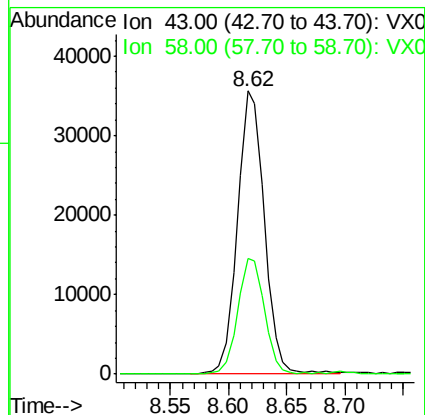
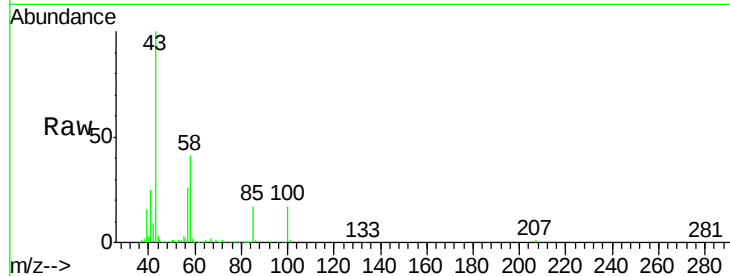
58 41.1 33.8 50.6

Manual Integrations

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#52

Toluene

Concen: 4.961 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX016421.D

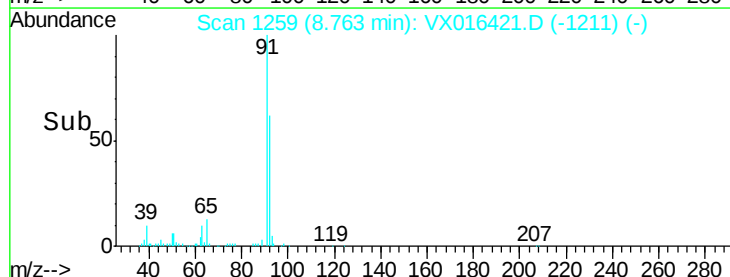
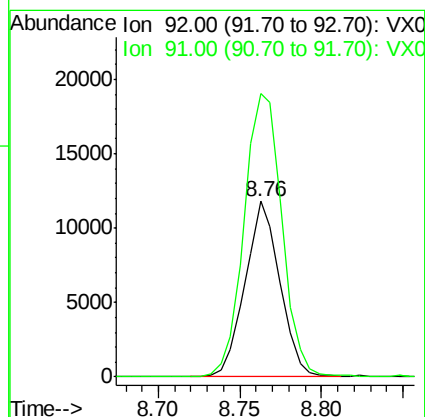
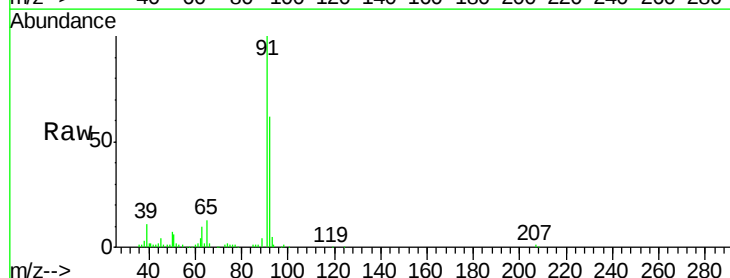
Acq: 26 May 2020 12:54

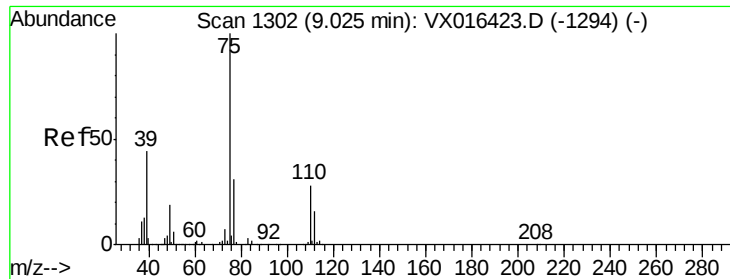
Tgt Ion: 92 Resp: 17632

Ion Ratio Lower Upper

92 100

91 174.8 135.7 203.5





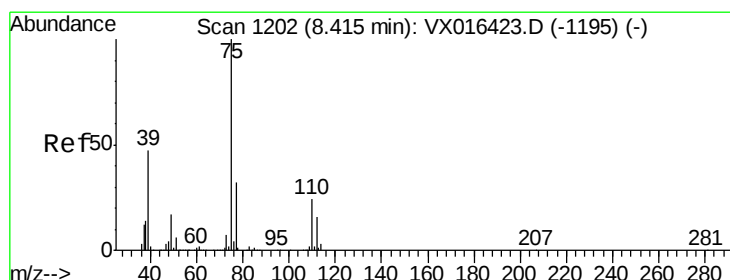
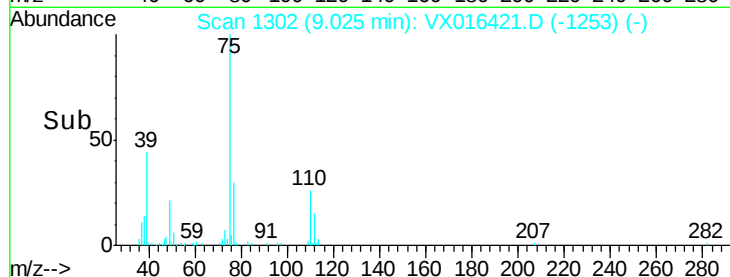
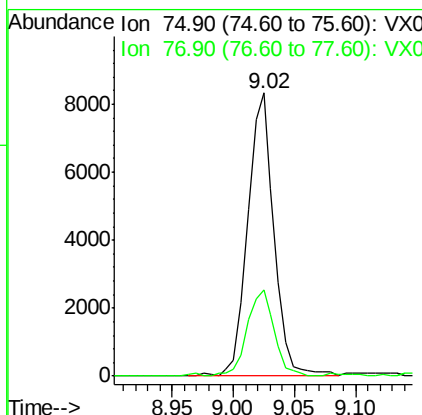
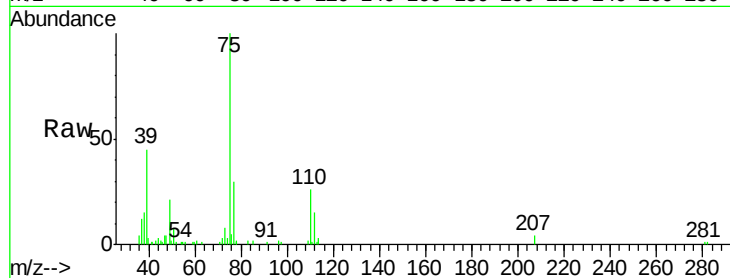
#53
t-1,3-Dichloropropene
Concen: 5.252 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.4	25.0	37.4

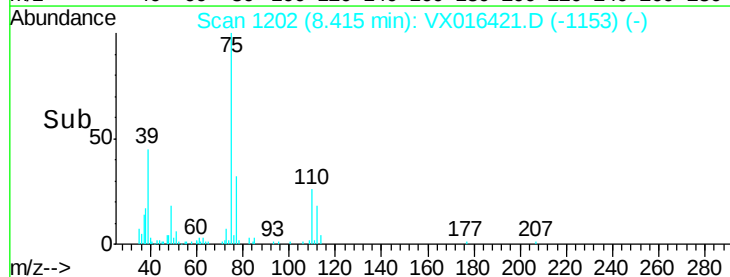
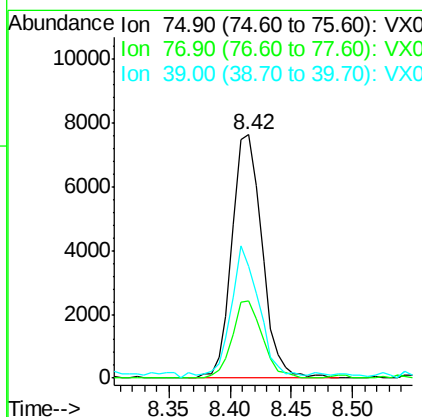
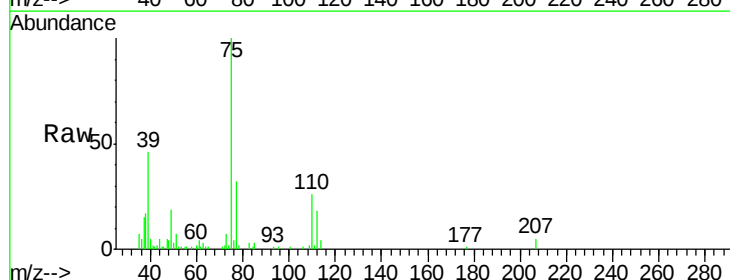
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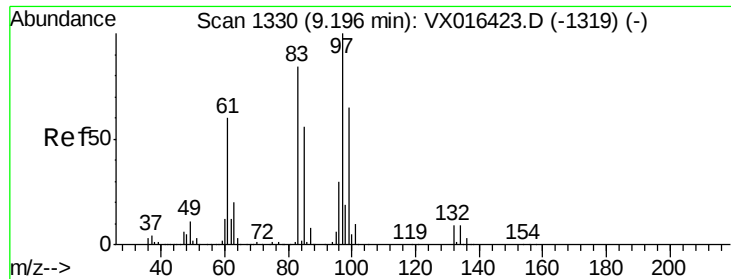
MMDadoda
5/27/2020 12:27:09 PM



#54
cis-1,3-Dichloropropene
Concen: 5.294 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0
39	43.9	37.7	56.5





#55

1,1,2-Trichloroethane

Concen: 5.818 ug/l

RT: 9.20 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

Instrument :

MSVOA_X

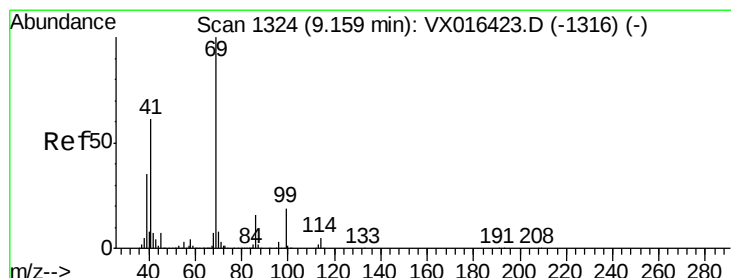
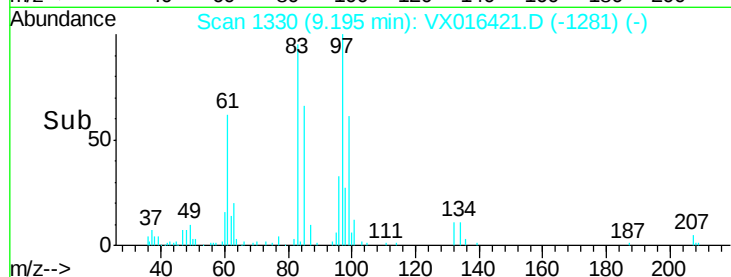
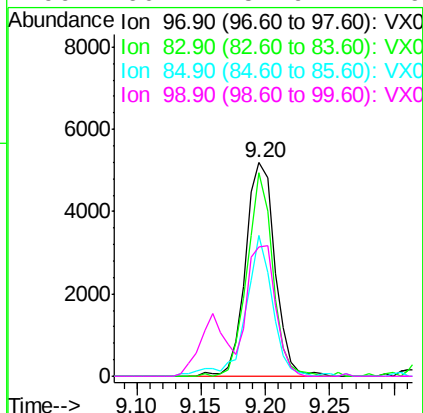
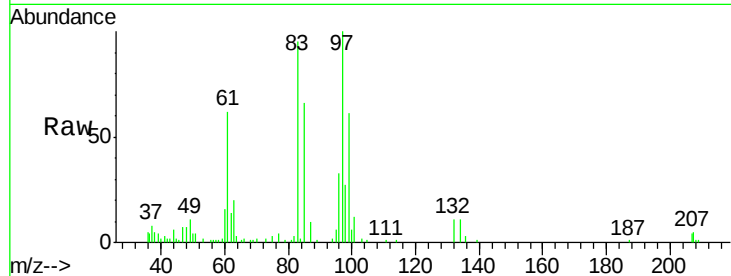
ClientSampleId :

VSTDIC005

Tot Ion:	97	Resp:	8171
Ion	Ratio	Lower	Upper
97	100		
83	95.1	66.9	100.3
85	66.2	45.2	67.8
99	60.7	51.9	77.9

Manual Integrations
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#56

Ethyl methacrylate

Concen: 4.966 ug/l

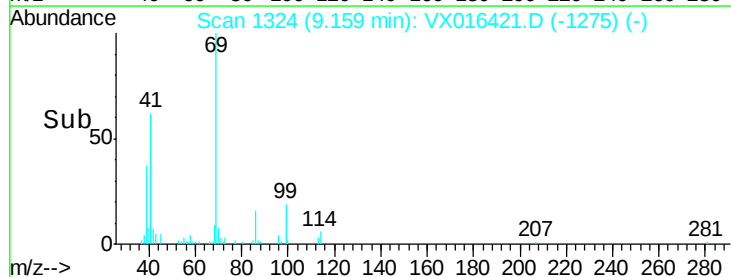
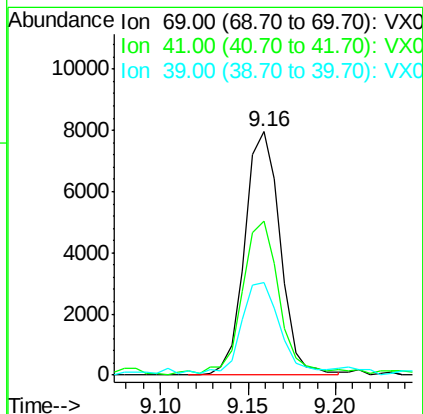
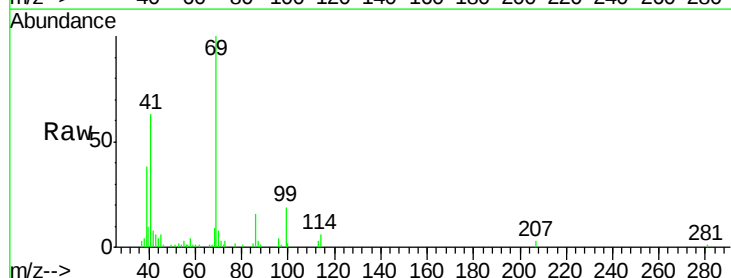
RT: 9.16 min Scan# 1324

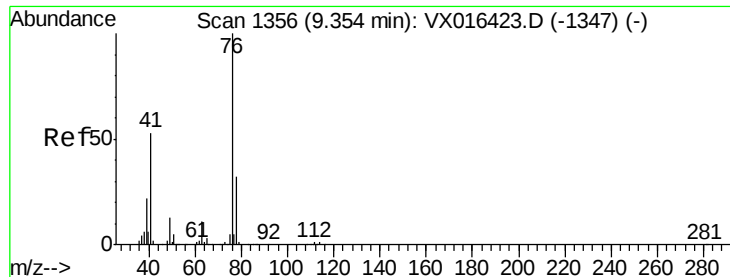
Delta R.T. -0.00 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

Tgt Ion:	69	Resp:	11209
Ion	Ratio	Lower	Upper
69	100		
41	68.5	47.9	71.9
39	39.0	28.7	43.1





#57

1,3-Dichloropropane

Concen: 5.508 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 13398

Ion Ratio Lower Upper

76 100

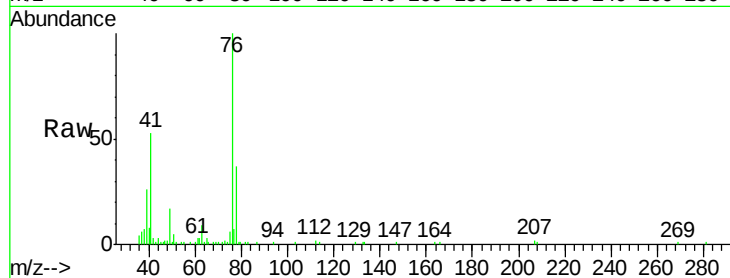
78 34.4 26.1 39.1

Manual Integrations

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MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.35

10000

8000

6000

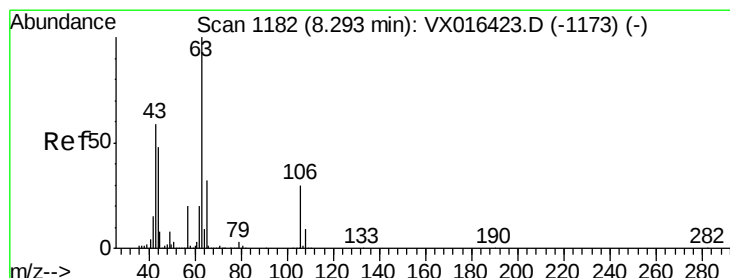
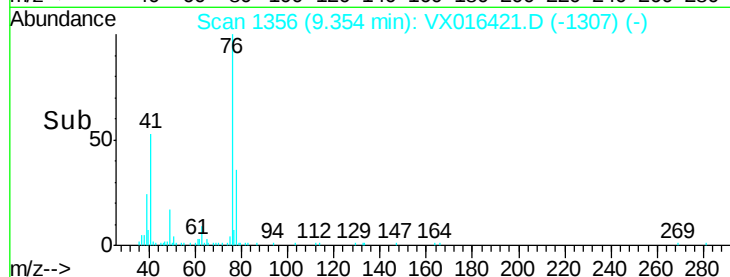
4000

2000

0

9.30 9.35 9.40

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 24.704 ug/l

RT: 8.29 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VX016421.D

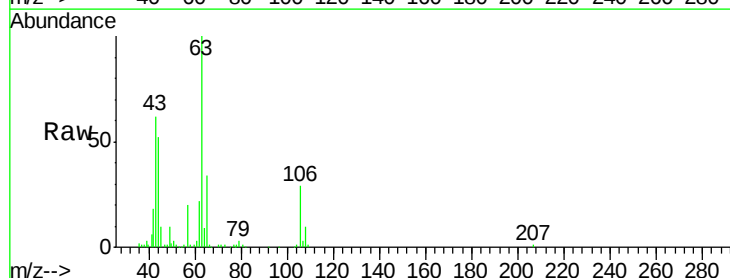
Acq: 26 May 2020 12:54

Tgt Ion: 63 Resp: 29627

Ion Ratio Lower Upper

63 100

106 30.9 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.29

20000

15000

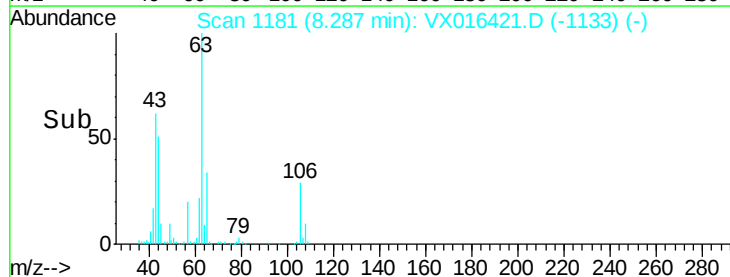
10000

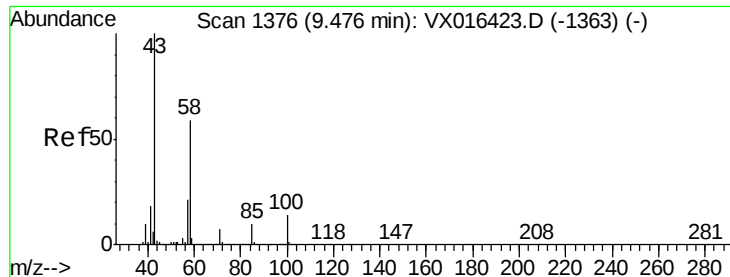
5000

0

8.20 8.25 8.30 8.35

Time-->





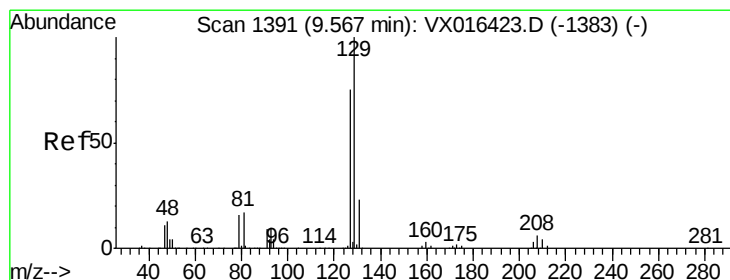
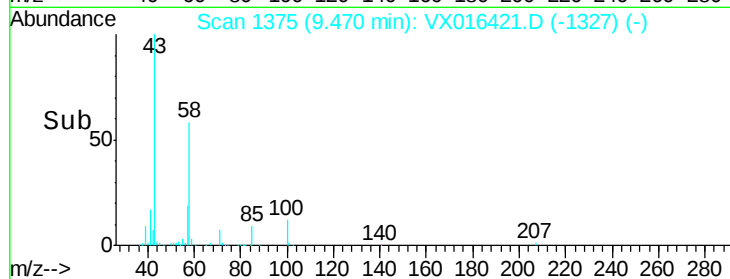
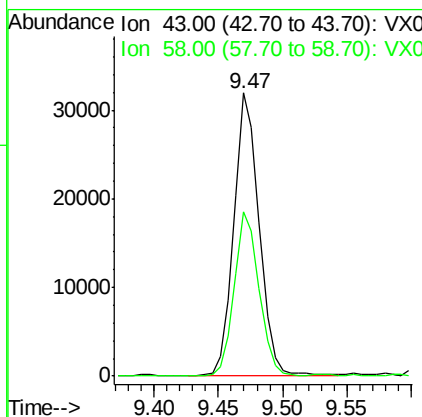
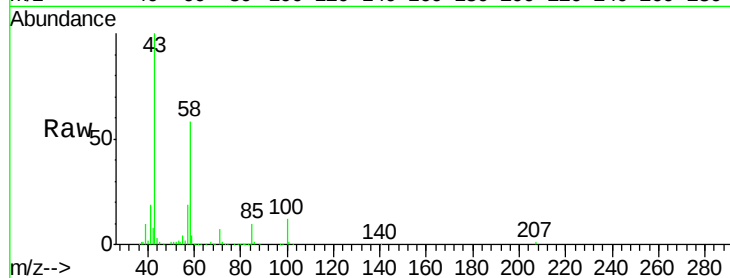
#59
2-Hexanone
Concen: 25.671 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	43722
Ion Ratio	100	Lower	Upper
43	100		
58	56.9	29.1	87.3

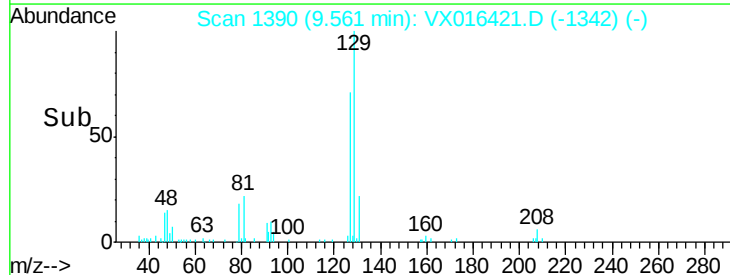
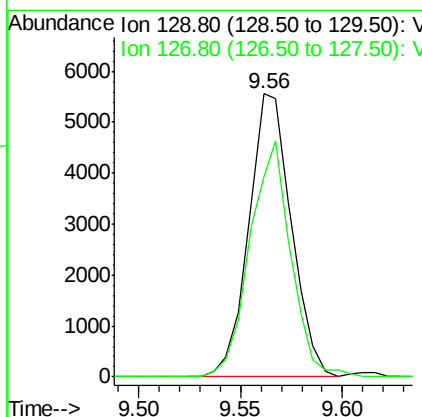
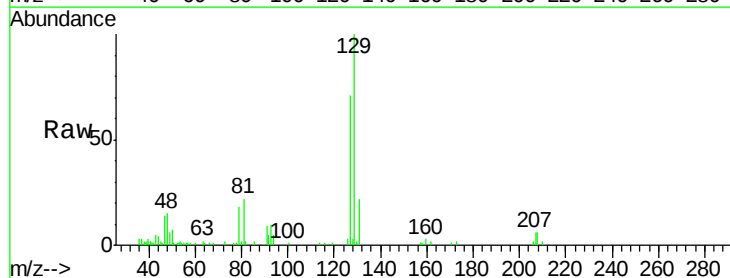
Manual Integrations
APPROVED

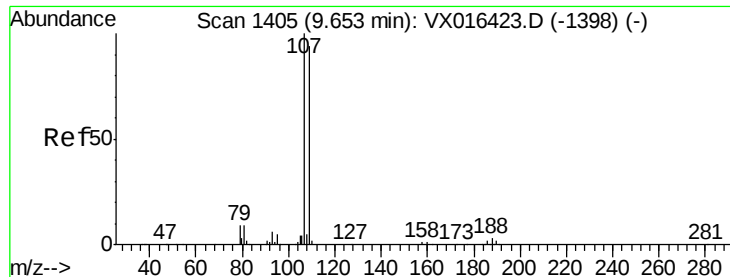
MMDadoda
5/27/2020 12:27:09 PM



#60
Dibromochloromethane
Concen: 5.183 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Tgt Ion	129	Resp	8063
Ion Ratio	100	Lower	Upper
129	100		
127	80.0	38.6	115.8





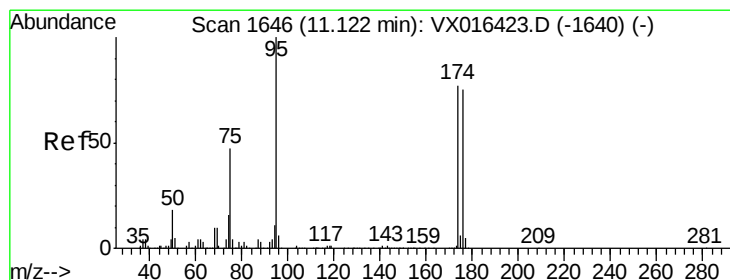
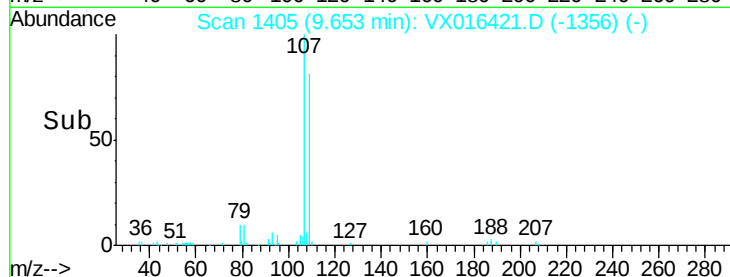
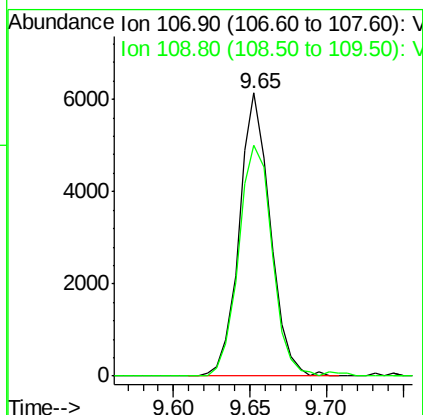
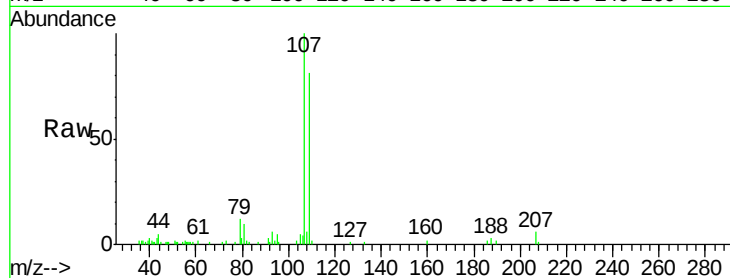
#61
 1,2-Dibromoethane
 Concen: 5.635 ug/l
 RT: 9.65 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: VX016421.D
 Acq: 26 May 2020 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	88.3	75.0	112.6

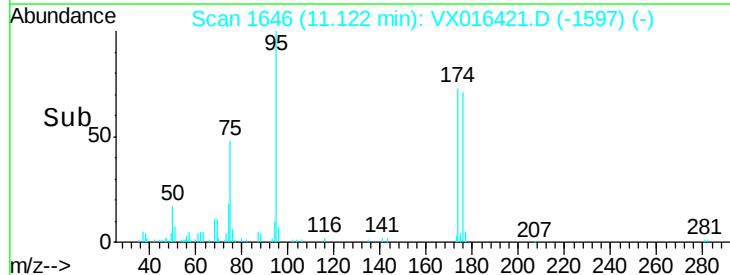
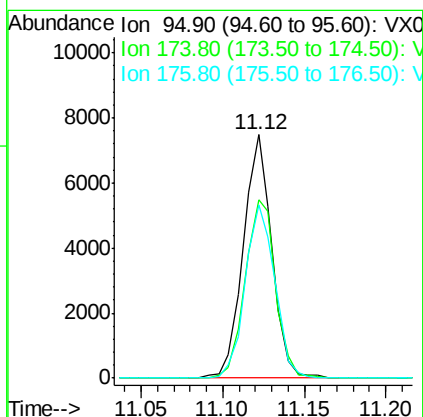
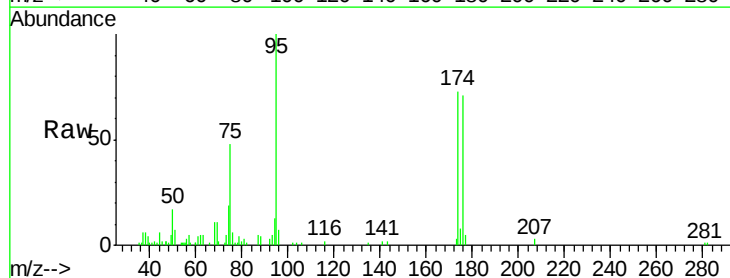
Manual Integrations
 APPROVED

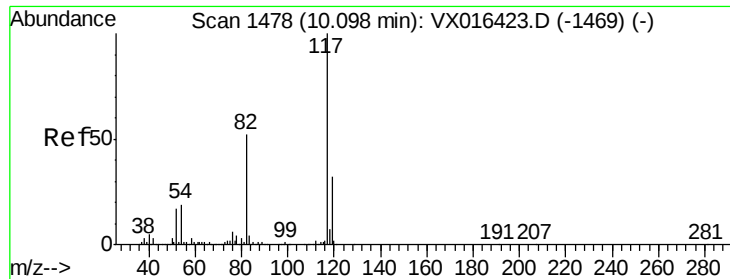
MMDadoda
 5/27/2020 12:27:09 PM



#62
 4-Bromofluorobenzene
 Concen: 4.940 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: VX016421.D
 Acq: 26 May 2020 12:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.9	0.0	162.6
176	73.8	0.0	158.2





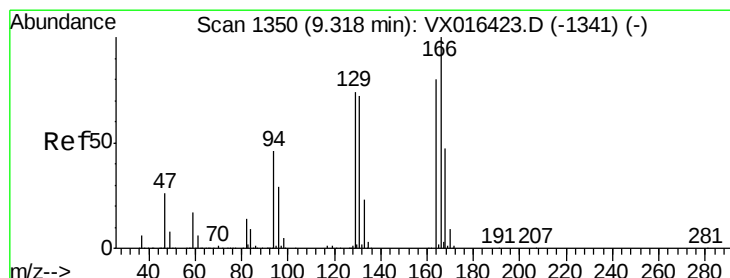
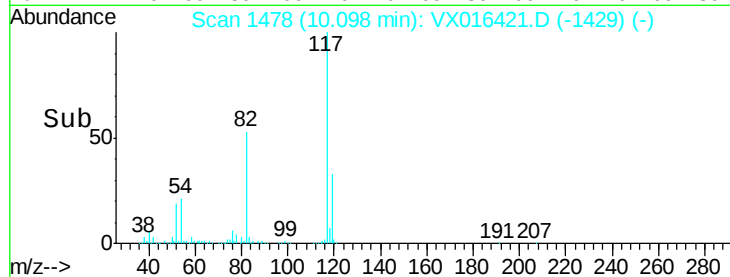
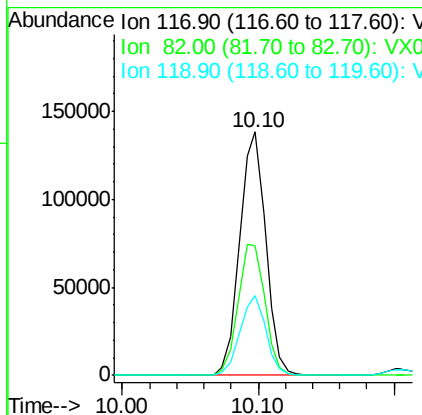
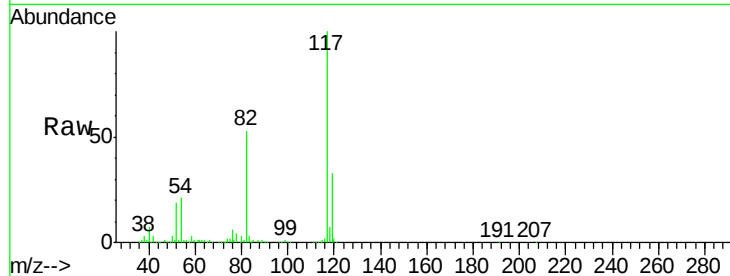
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	184798		
82	53.2	41.8	62.6	
119	32.5	25.7	38.5	

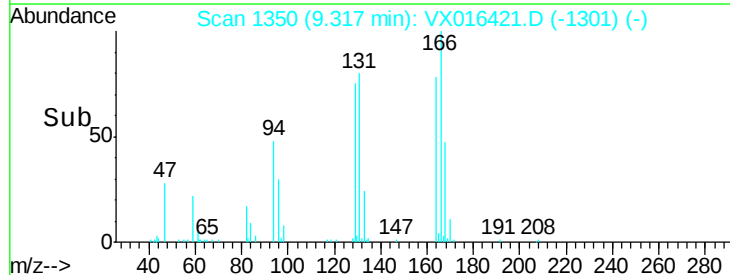
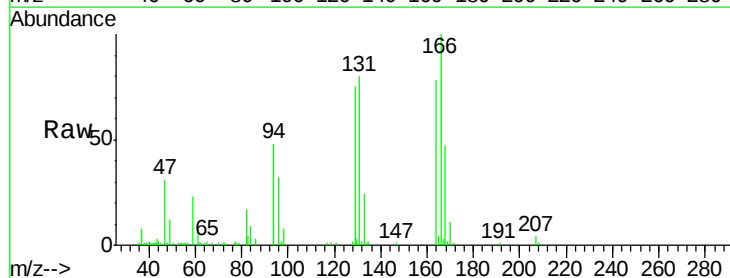
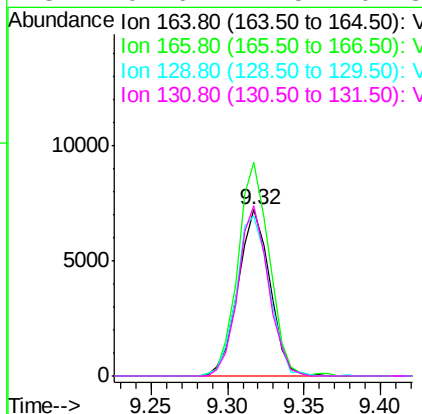
Manual Integrations
APPROVED

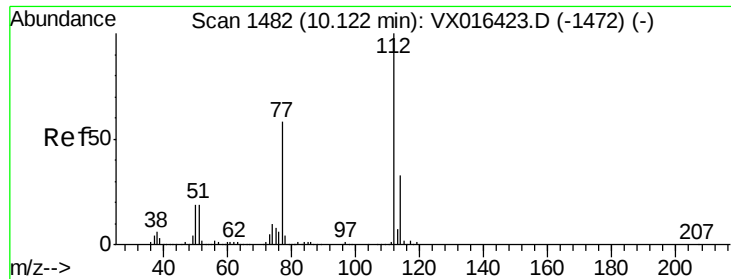
MMDadoda
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#64
Tetrachloroethene
Concen: 4.664 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	10447		
166	128.8	99.5	149.3	
129	96.8	73.4	110.0	
131	102.6	71.5	107.3	





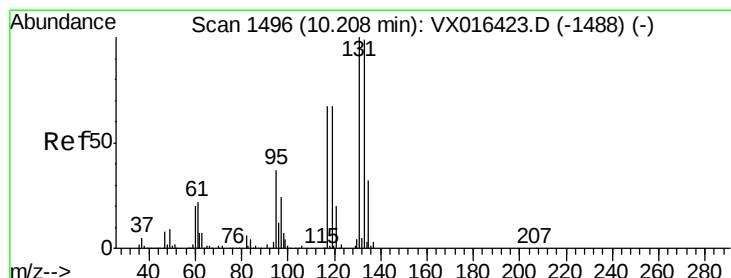
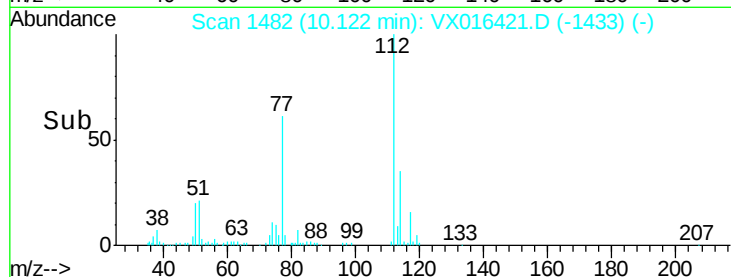
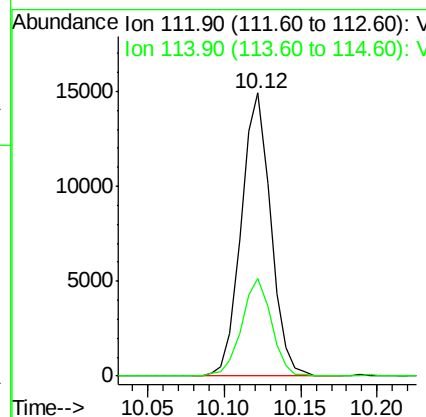
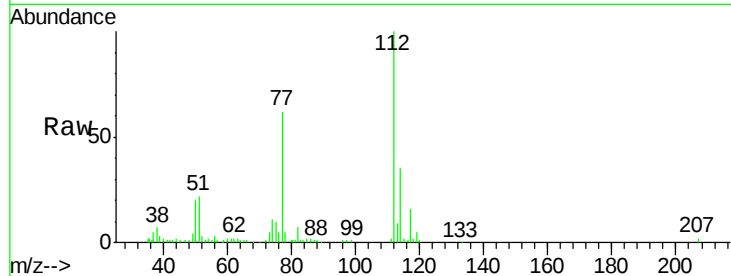
#65
Chlorobenzene
Concen: 5.190 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 20027
Ion Ratio Lower Upper
112 100
114 34.8 26.6 40.0

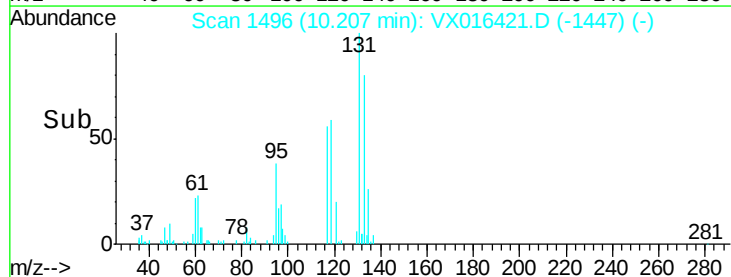
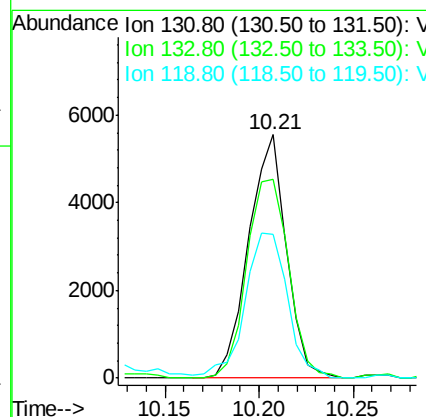
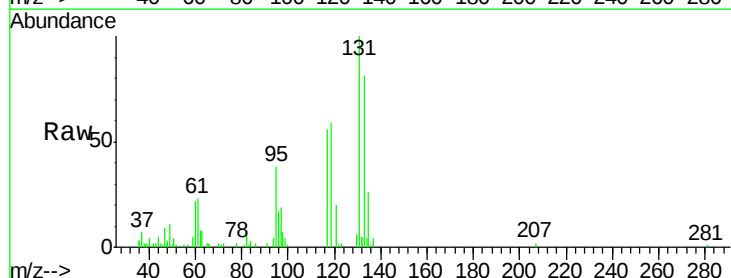
Manual Integrations
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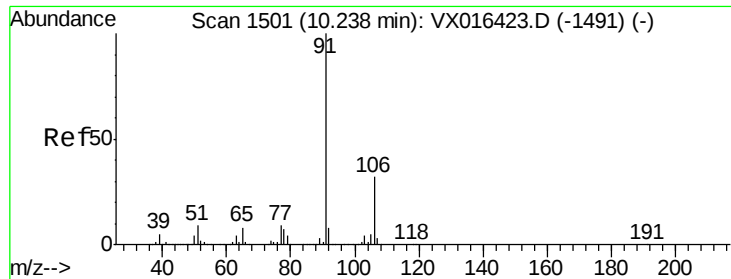
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.375 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. -0.00 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Tgt Ion:131 Resp: 7688
Ion Ratio Lower Upper
131 100
133 91.2 48.0 144.2
119 67.5 33.0 98.9





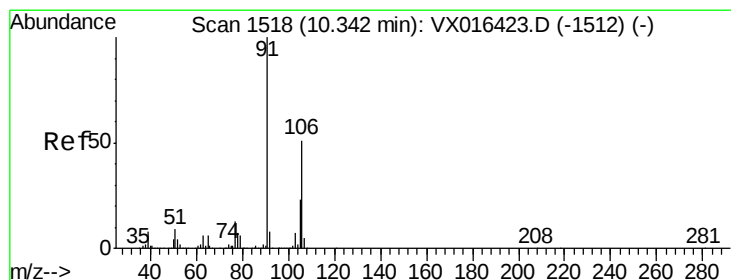
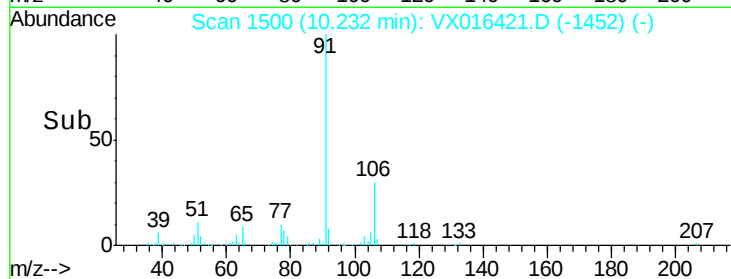
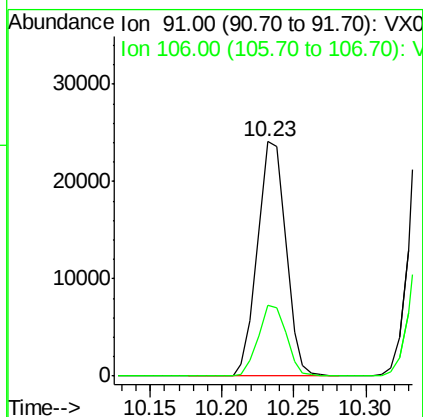
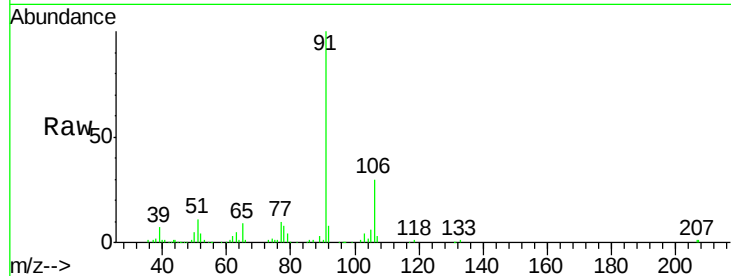
#67
Ethyl Benzene
Concen: 4.810 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. -0.01 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 32917
Ion Ratio Lower Upper
91 100
106 30.4 25.8 38.8

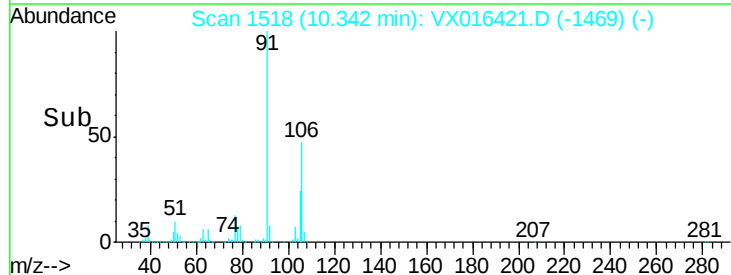
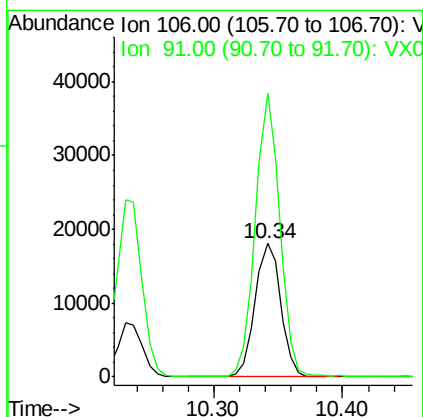
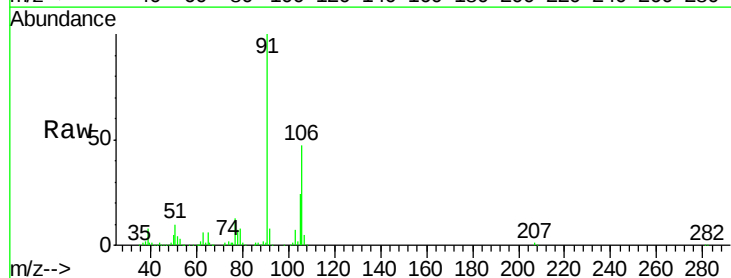
Manual Integrations
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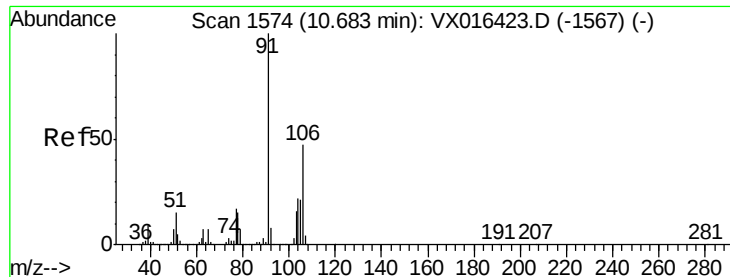
MMDadoda
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#68
m/p-Xylenes
Concen: 9.666 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Tgt Ion: 106 Resp: 24853
Ion Ratio Lower Upper
106 100
91 200.5 158.2 237.4





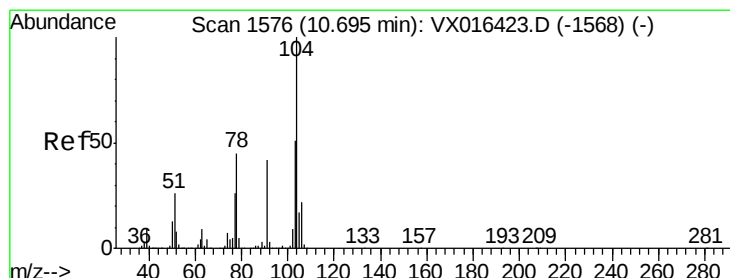
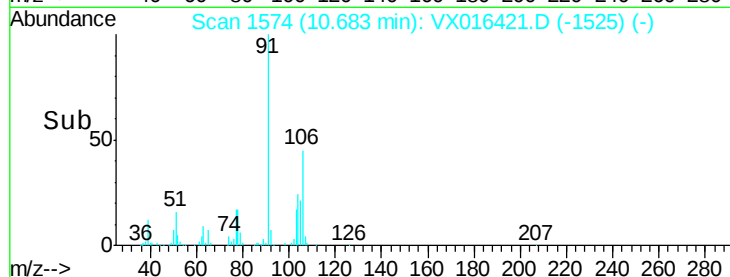
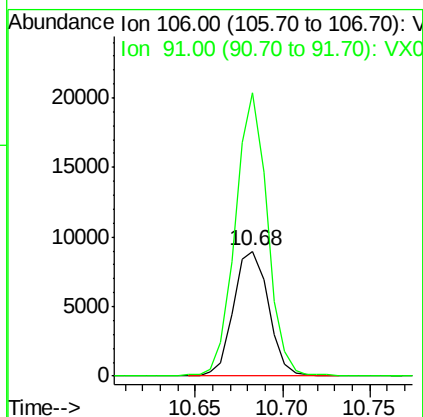
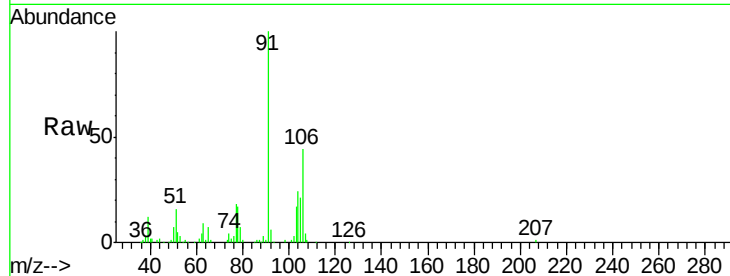
#69
o-Xylene
Concen: 5.072 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.7	104.0	312.0

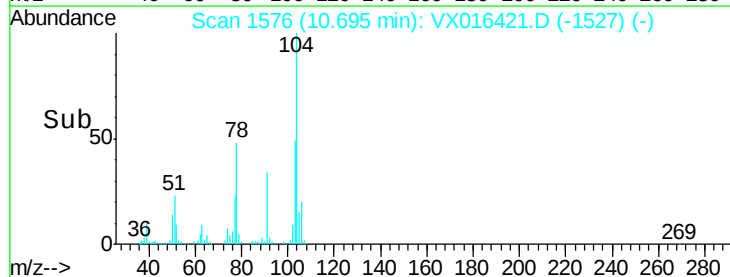
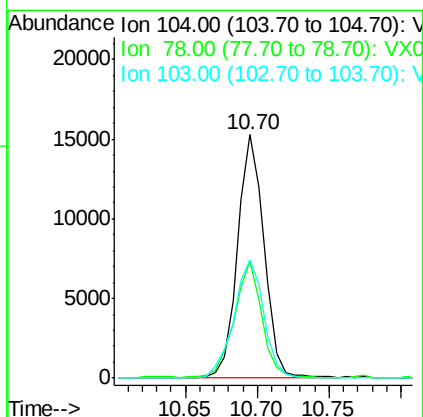
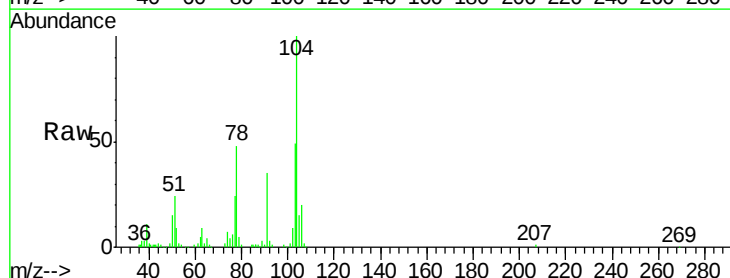
Manual Integrations
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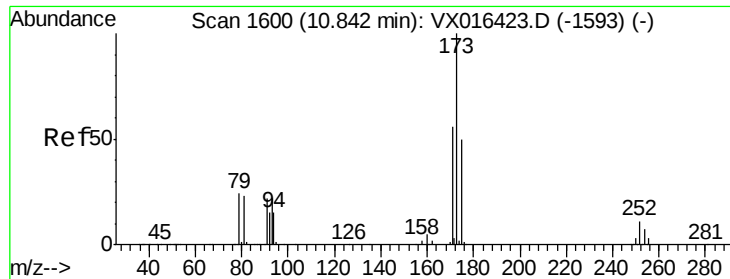
MMDadoda
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#70
Styrene
Concen: 4.664 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.7	39.2	58.8
103	55.2	43.8	65.6





#71

Bromoform

Concen: 4.667 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

Instrument :

MSVOA_X

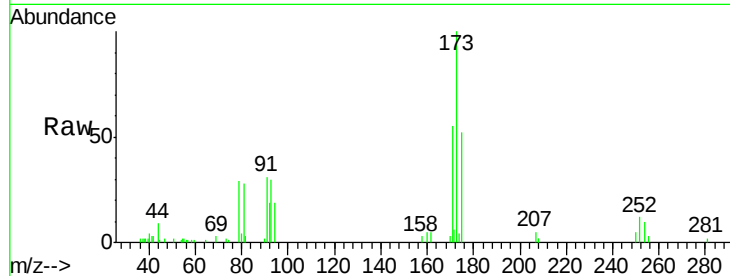
ClientSampleId :

VSTDIC005

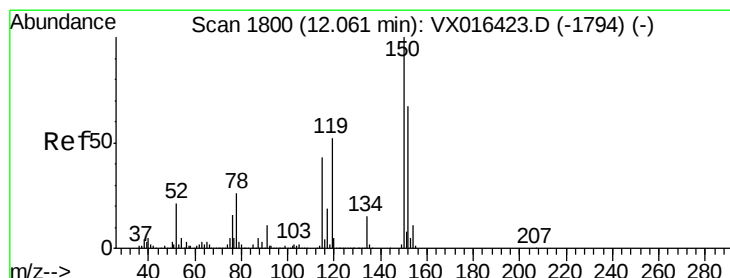
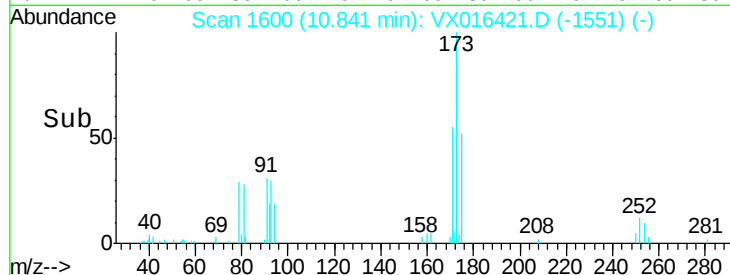
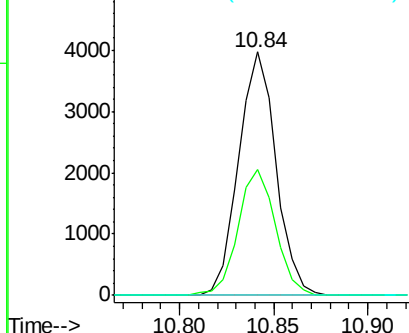
Tot Ion	Ratio	Lower	Upper
173	100		
175	52.0	24.5	73.5
254	0.0	0.2	0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

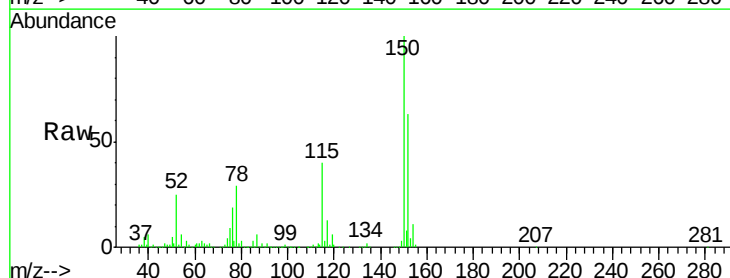
RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

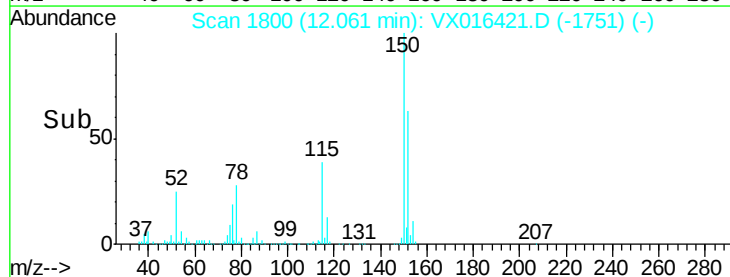
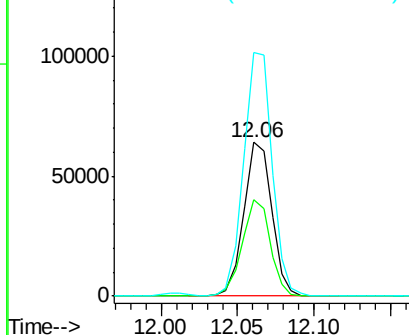
Lab File: VX016421.D

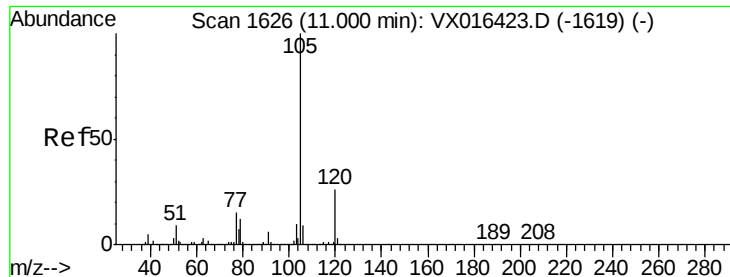
Acq: 26 May 2020 12:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.7	40.4	121.2
150	161.7	0.0	345.8



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





#73

Isopropylbenzene

Concen: 5.089 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 29903

Ion Ratio Lower Upper

105 100

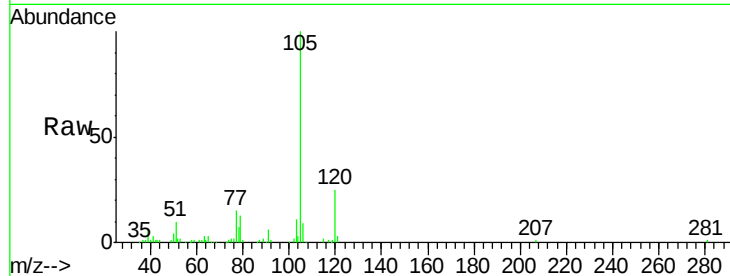
120 27.1 13.7 41.0

Manual Integrations

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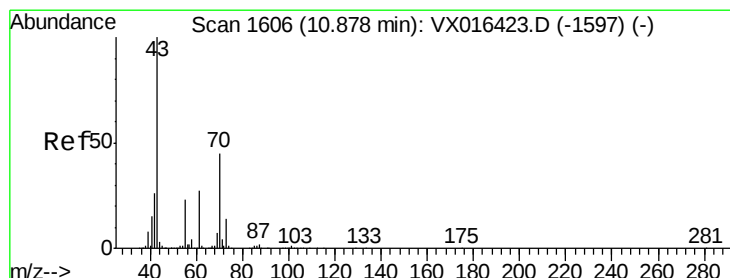
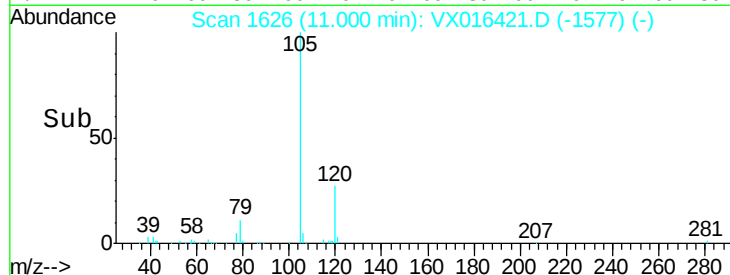
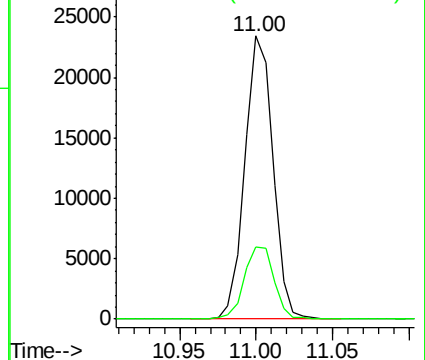
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 5.505 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

Tgt Ion: 43 Resp: 14817

Ion Ratio Lower Upper

43 100

70 47.1 38.0 57.0

55 28.9 20.0 30.0

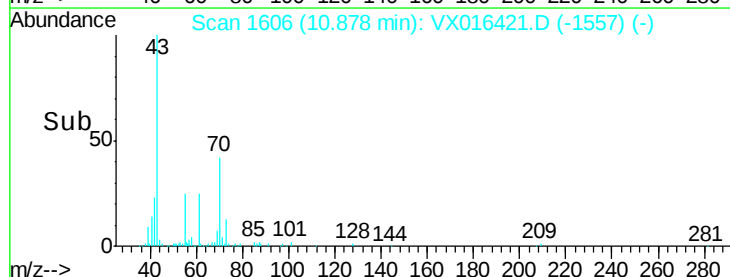
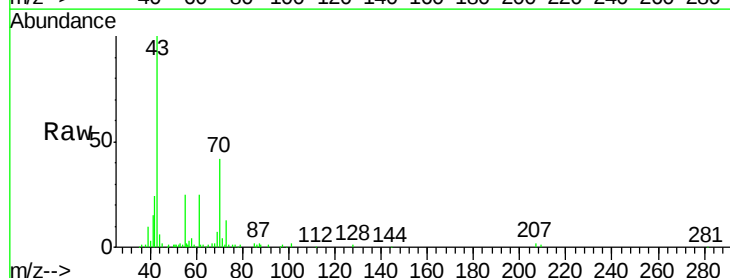
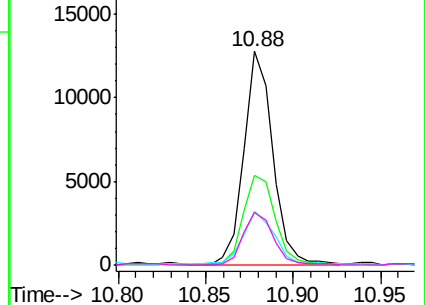
61 25.8 21.4 32.2

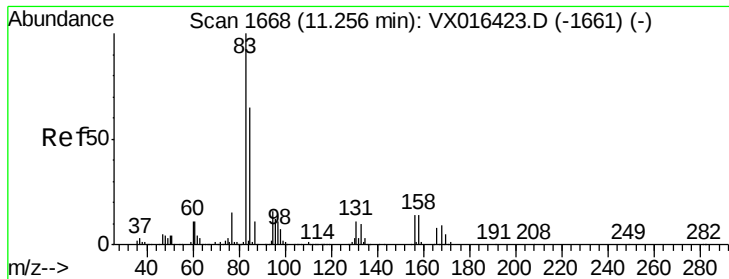
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.866 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

Instrument :

MSVOA_X

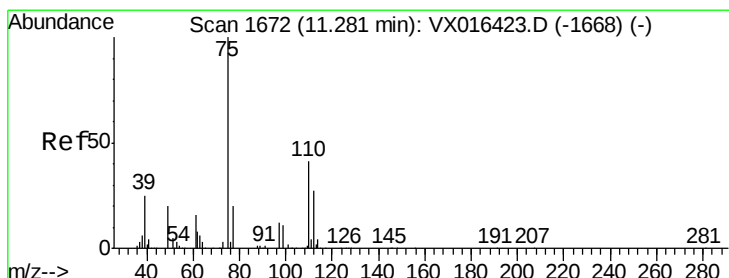
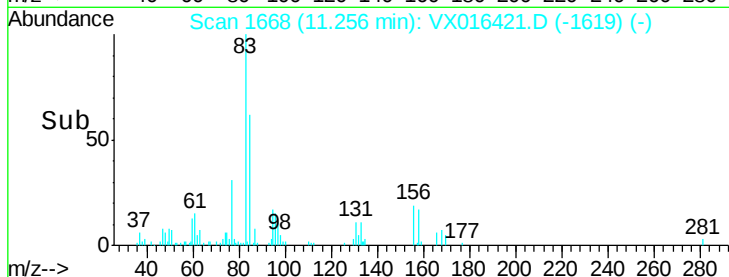
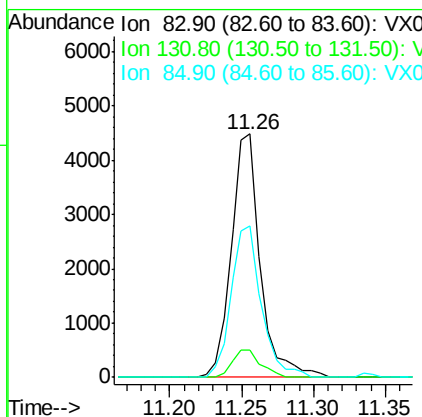
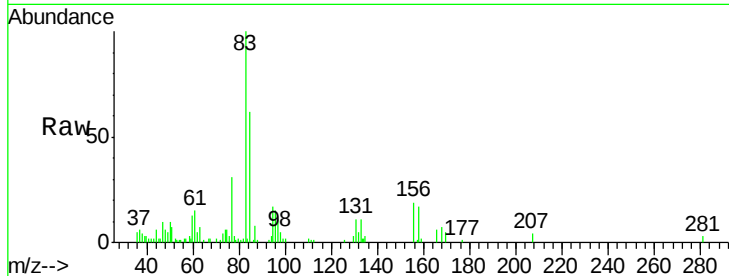
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	6330
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.4	16.2
85	64.4	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 6.283 ug/l m

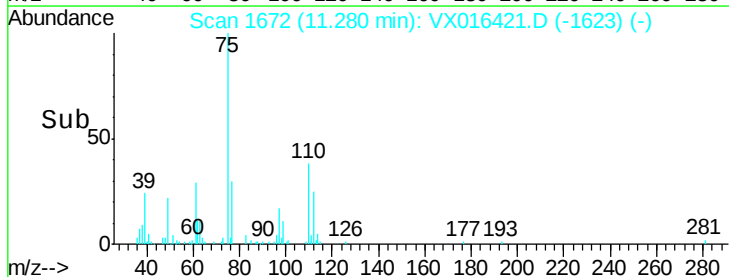
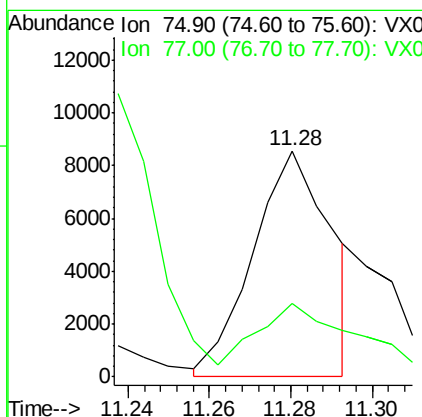
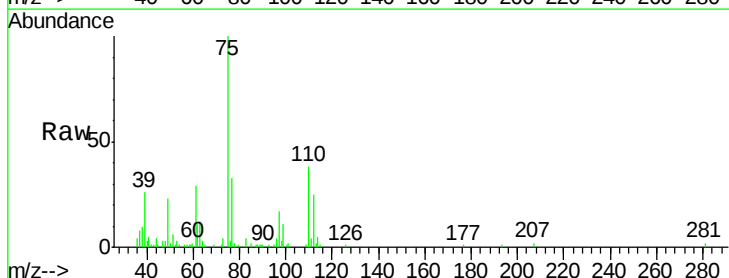
RT: 11.28 min Scan# 1672

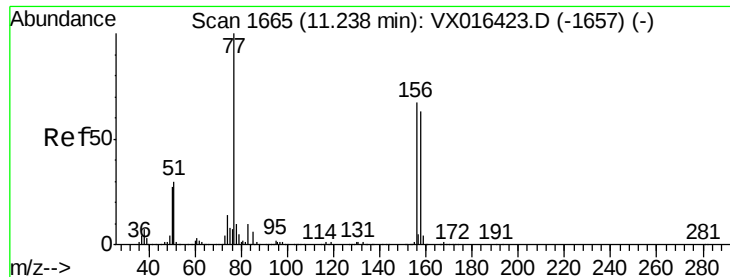
Delta R.T. -0.00 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

Tgt Ion:	75	Resp:	11451
Ion	Ratio	Lower	Upper
75	100		
77	43.3	21.4	64.3





#77

Bromobenzene

Concen: 5.325 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

Instrument :

MSVOA_X

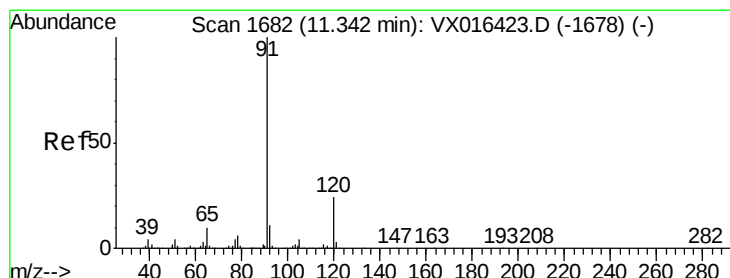
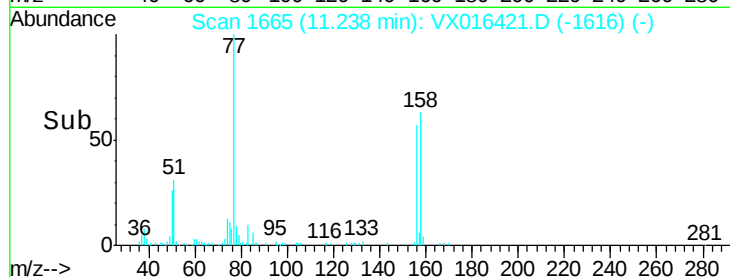
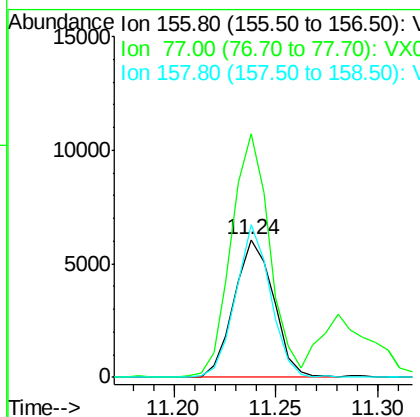
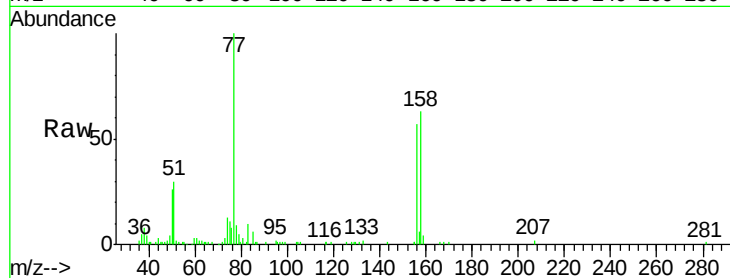
ClientSampled :

VSTDIC005

Tot Ion:	156	Resp:	8130
Ion	Ratio	Lower	Upper
156	100		
77	172.5	74.6	223.8
158	97.7	48.7	146.1

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#78

n-propylbenzene

Concen: 4.921 ug/l

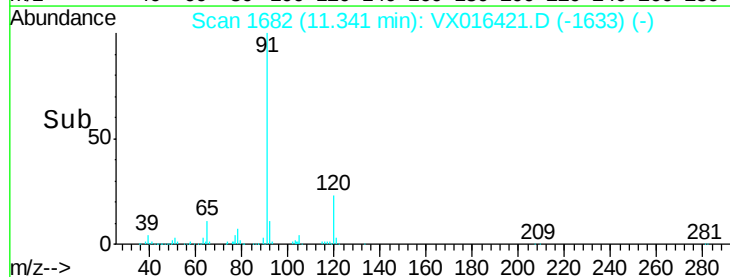
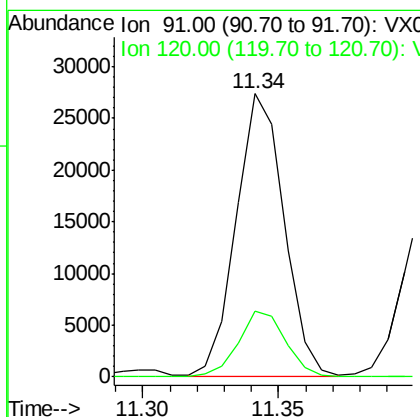
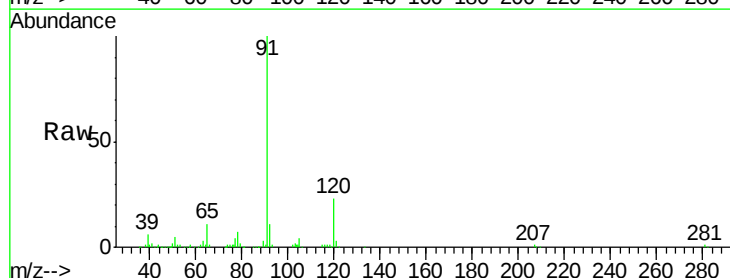
RT: 11.34 min Scan# 1682

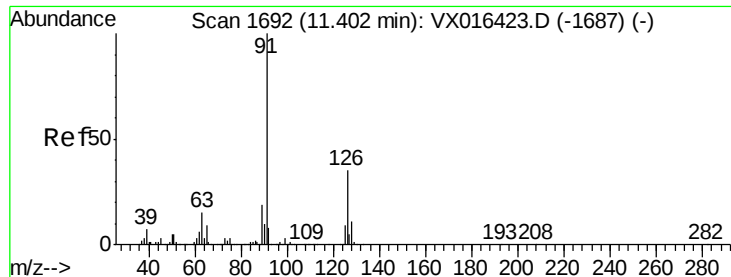
Delta R.T. -0.00 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

Tgt Ion:	91	Resp:	33560
Ion	Ratio	Lower	Upper
91	100		
120	22.9	12.1	36.3





#79

2-Chlorotoluene

Concen: 5.421 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 21859

Ion Ratio Lower Upper

91 100

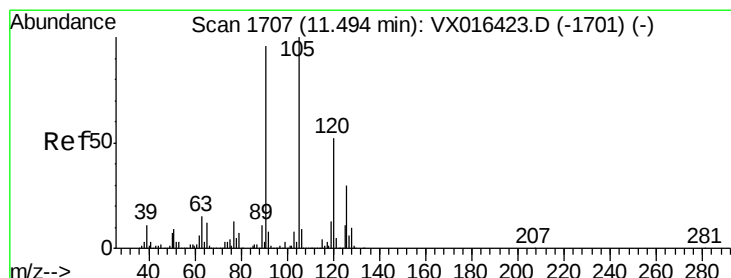
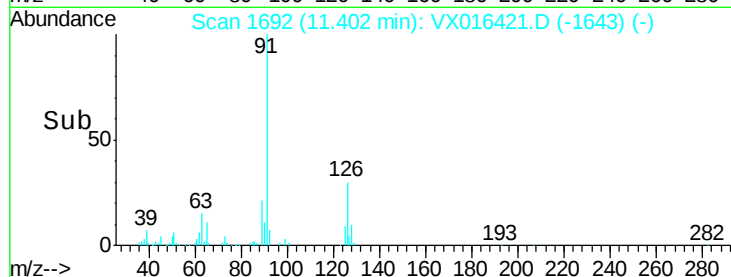
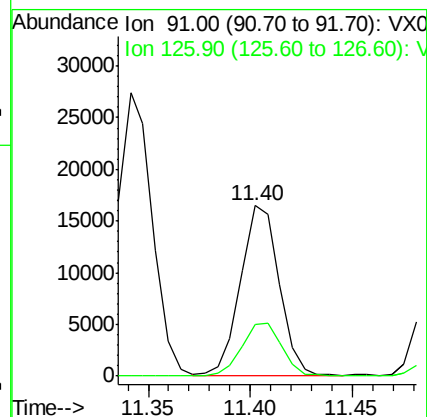
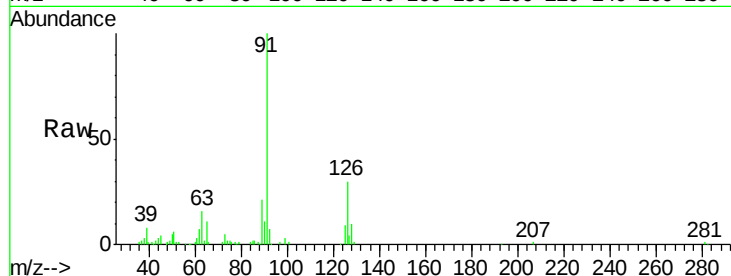
126 32.2 17.7 53.1

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#80

1,3,5-Trimethylbenzene

Concen: 4.917 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016421.D

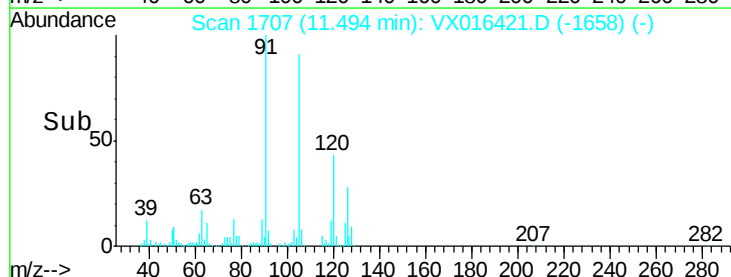
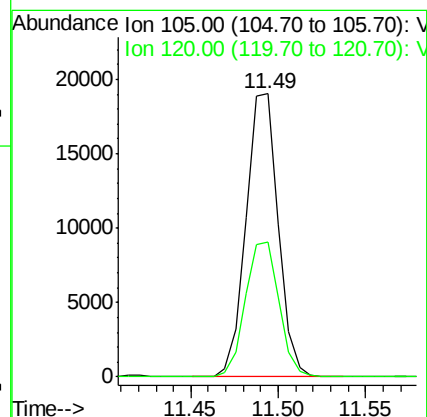
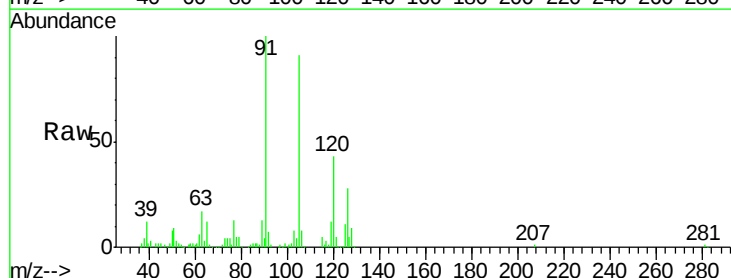
Acq: 26 May 2020 12:54

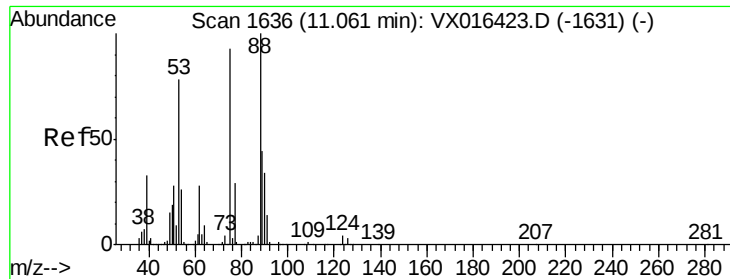
Tgt Ion: 105 Resp: 24377

Ion Ratio Lower Upper

105 100

120 49.8 25.0 75.0





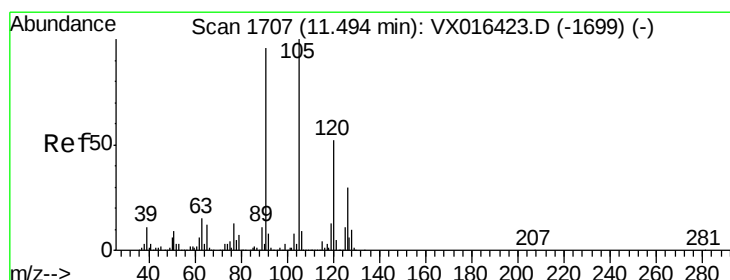
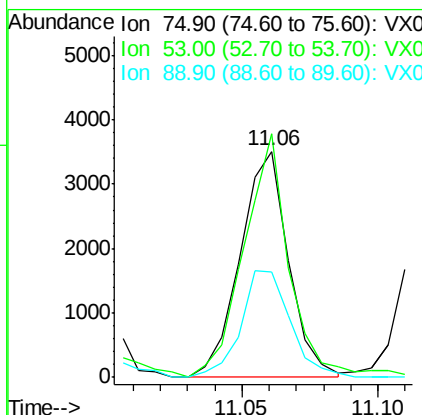
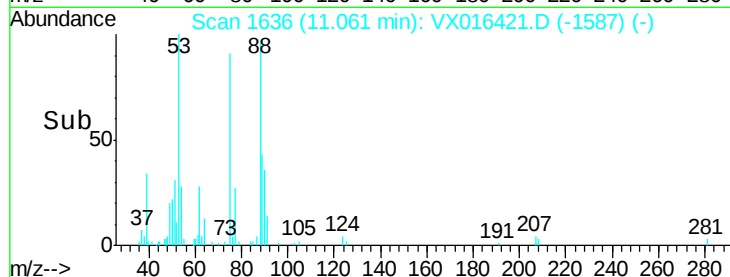
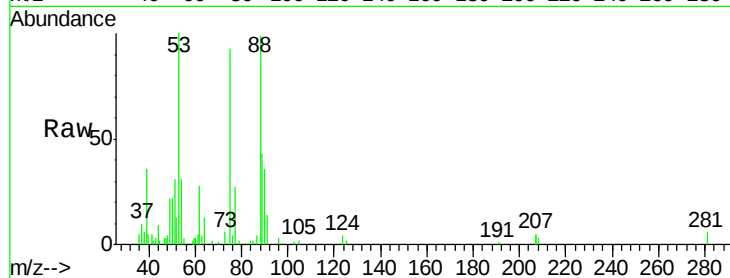
#81
trans-1,4-Dichloro-2-butene
Concen: 5.708 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.4	69.4	104.2
89	48.0	37.0	55.6

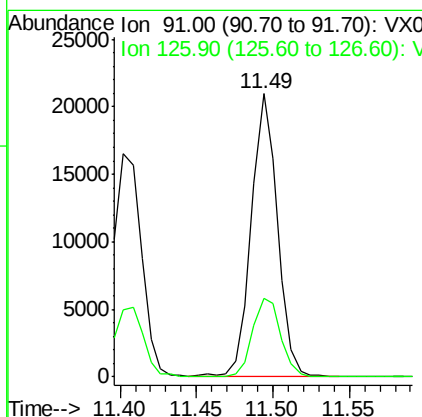
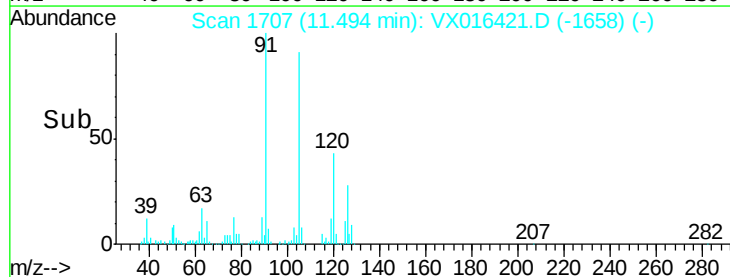
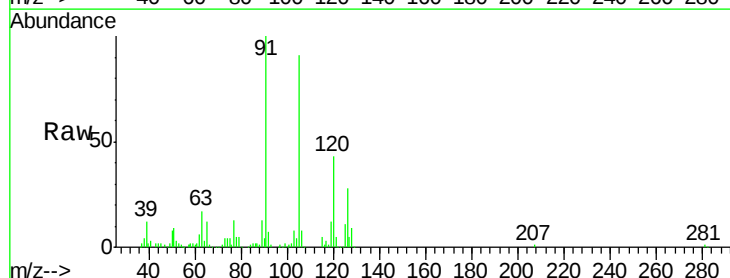
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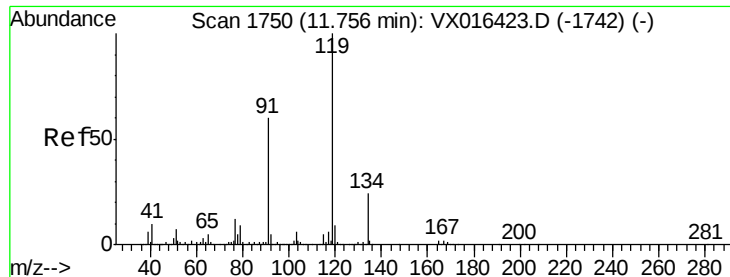
MMDadoda
5/27/2020 12:27:09 PM



#82
4-Chlorotoluene
Concen: 5.251 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.5	15.7	47.0





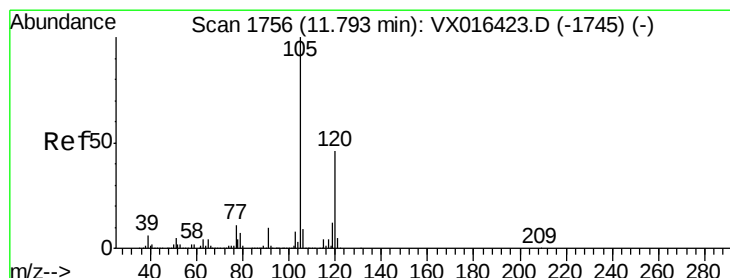
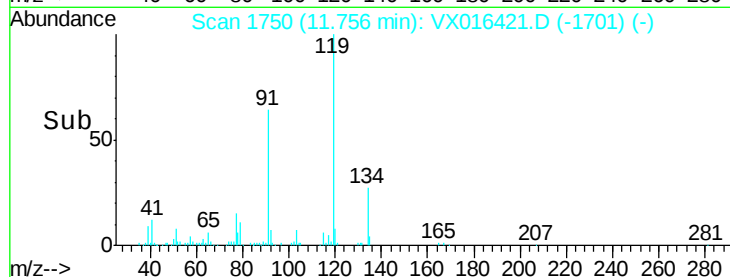
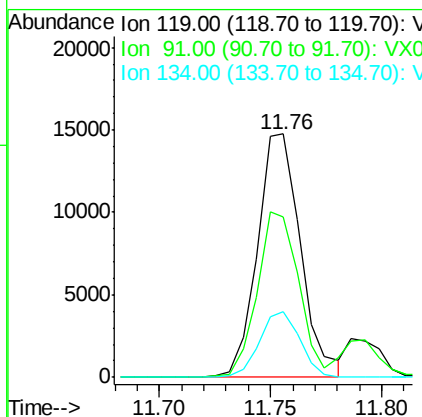
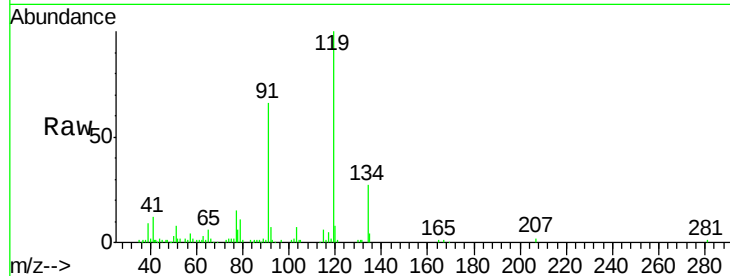
#83
tert-Butylbenzene
Concen: 4.665 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	19925		
91	65.3	30.8	92.3	
134	25.2	12.3	36.9	

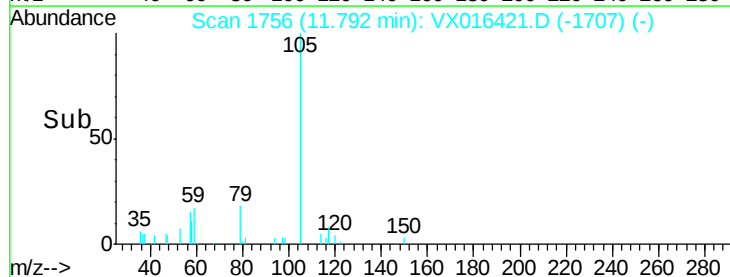
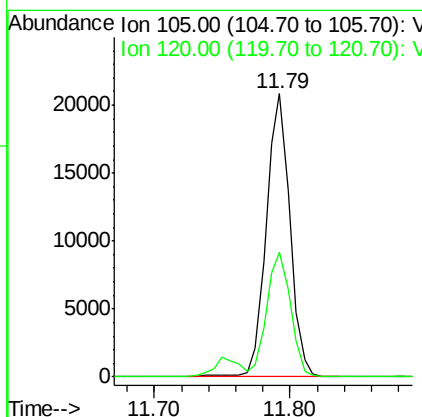
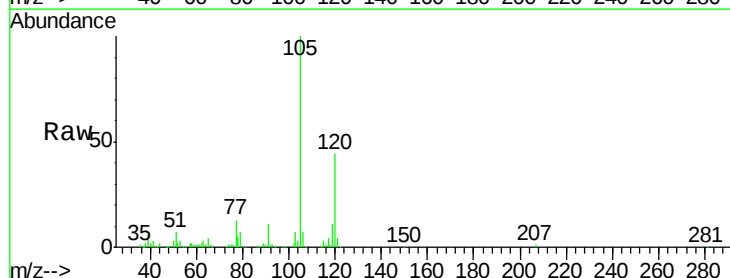
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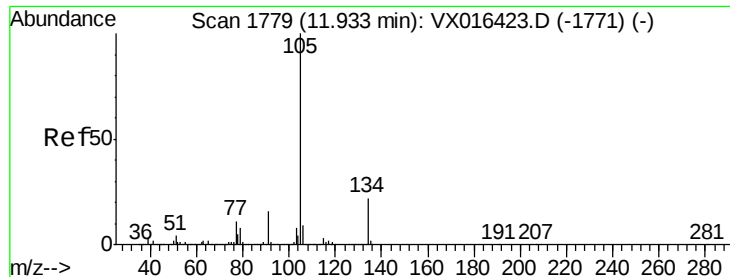
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#84
1,2,4-Trimethylbenzene
Concen: 5.099 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	25505		
120	44.4	23.2	69.6	





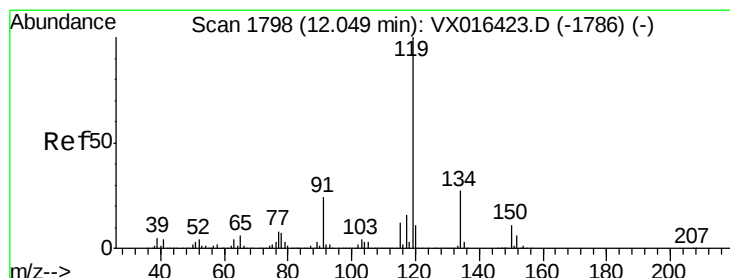
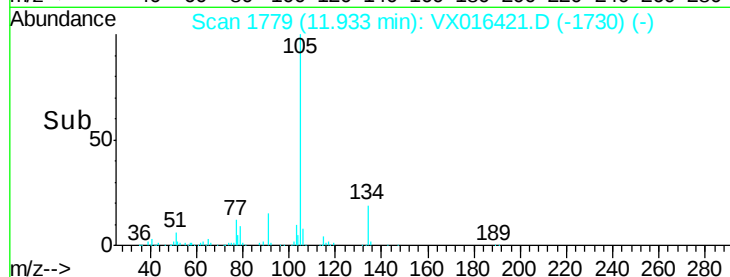
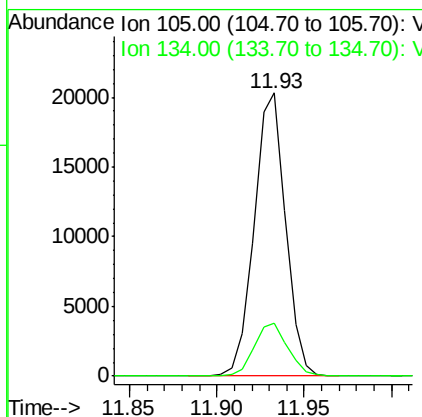
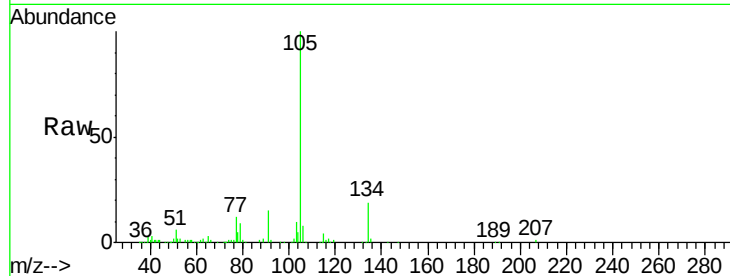
#85
 sec-Butylbenzene
 Concen: 4.426 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX016421.D
 Acq: 26 May 2020 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	10.5	31.6

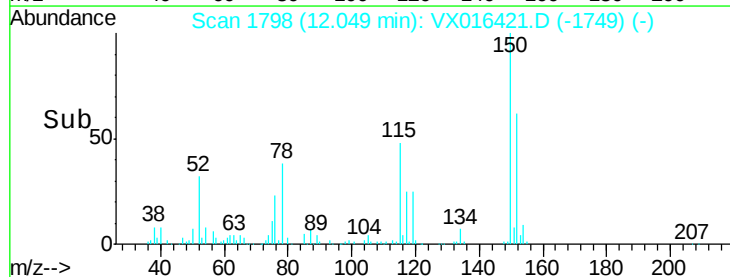
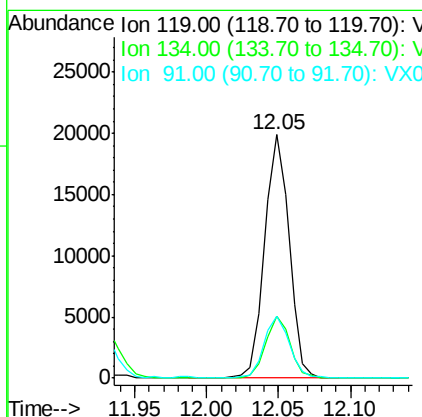
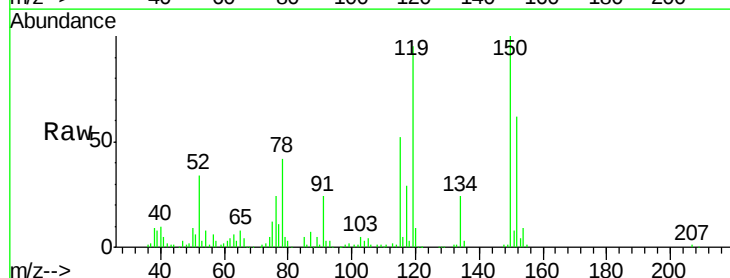
Manual Integrations
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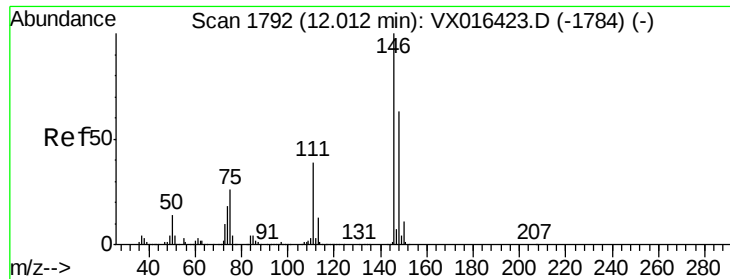
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#86
 p-Isopropyltoluene
 Concen: 4.393 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX016421.D
 Acq: 26 May 2020 12:54

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.8	41.3
91	26.6	11.9	35.5





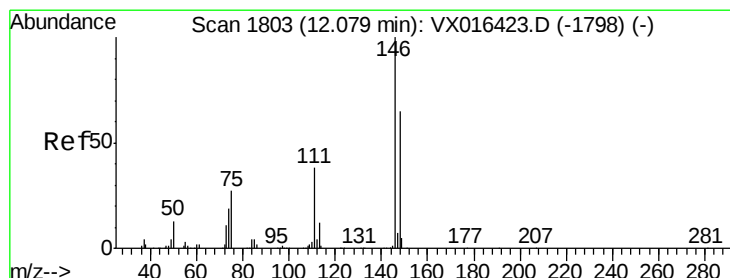
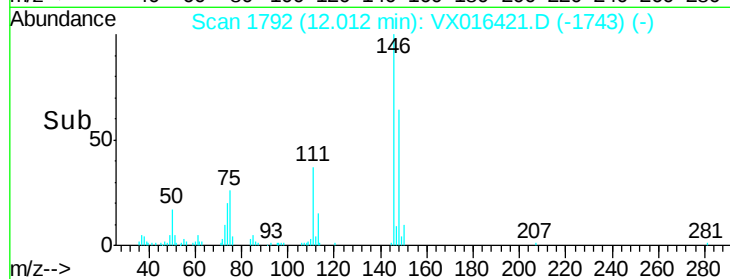
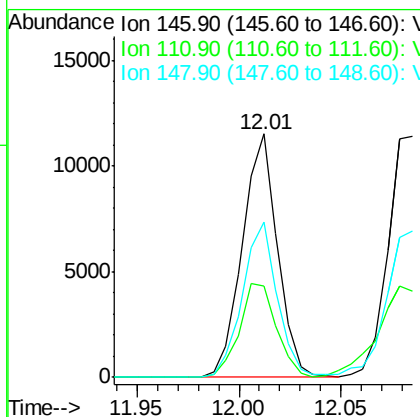
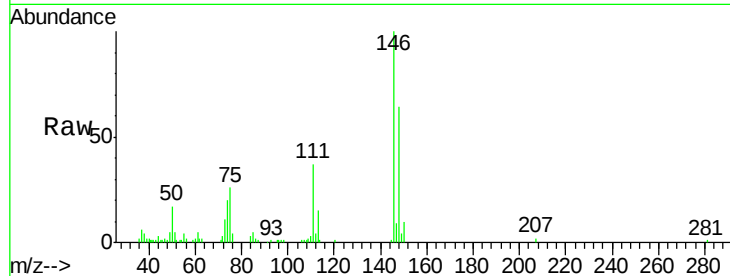
#87
 1,3-Dichlorobenzene
 Concen: 5.048 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016421.D
 Acq: 26 May 2020 12:54

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.1	60.2
148	63.8	31.4	94.2

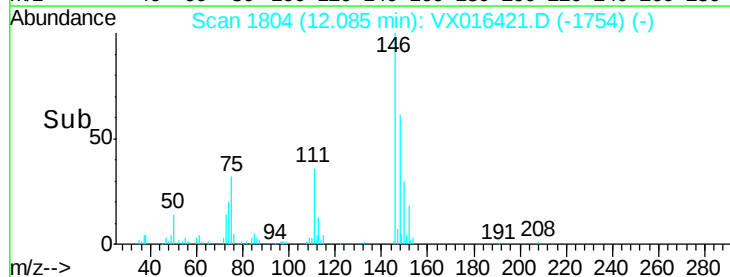
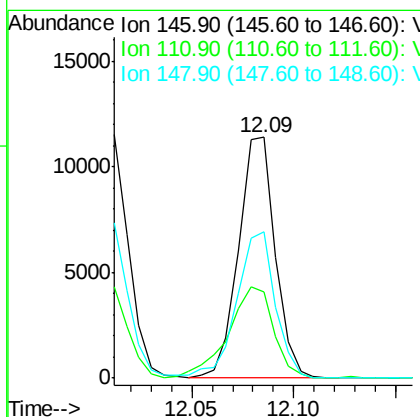
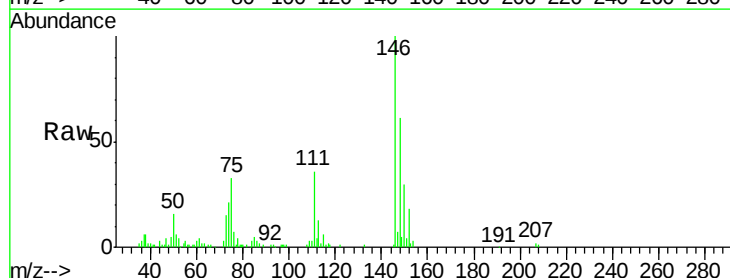
Manual Integrations
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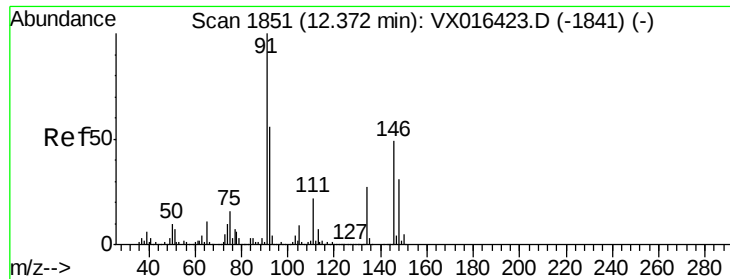
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#88
 1,4-Dichlorobenzene
 Concen: 5.131 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: VX016421.D
 Acq: 26 May 2020 12:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.8	19.2	57.6
148	63.9	33.1	99.2





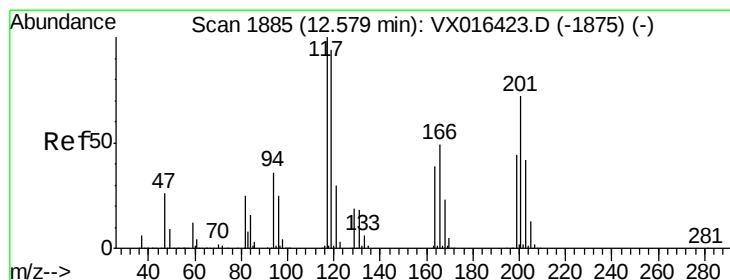
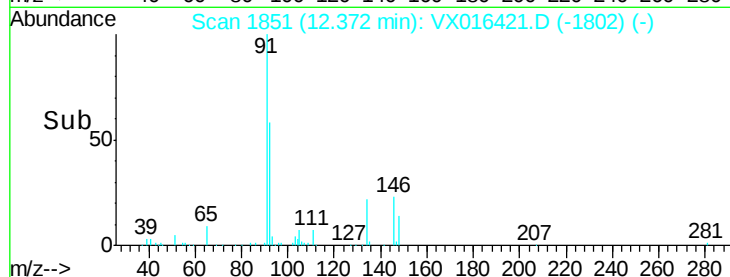
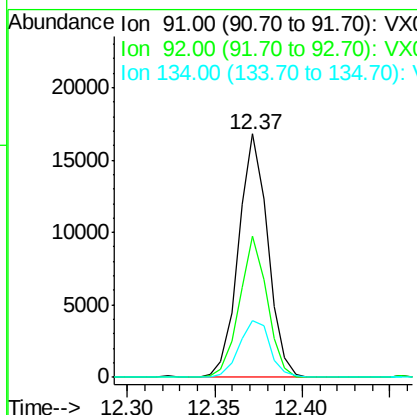
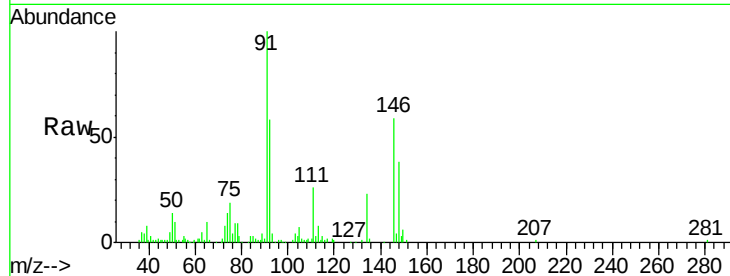
#89
n-Butylbenzene
Concen: 4.069 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.6	82.8
134	24.5	13.7	41.1

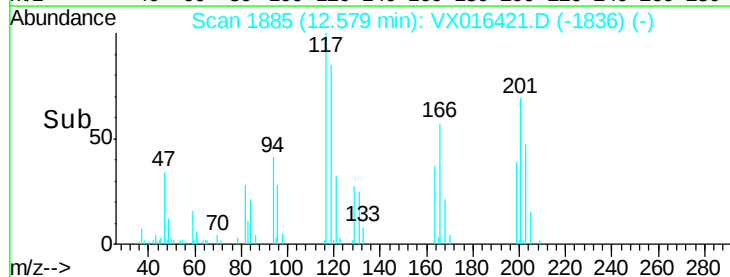
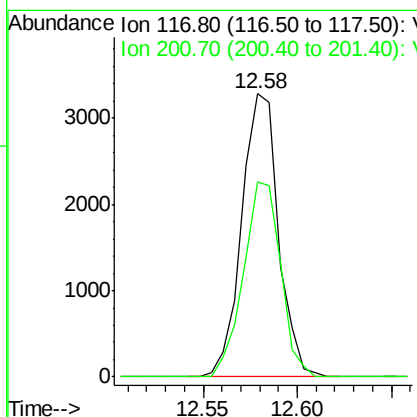
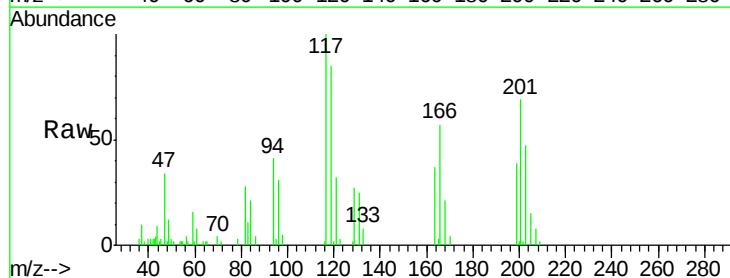
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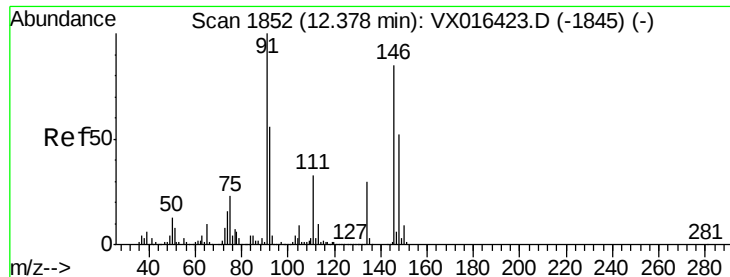
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#90
Hexachloroethane
Concen: 4.853 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016421.D
Acq: 26 May 2020 12:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.6	37.6	112.9





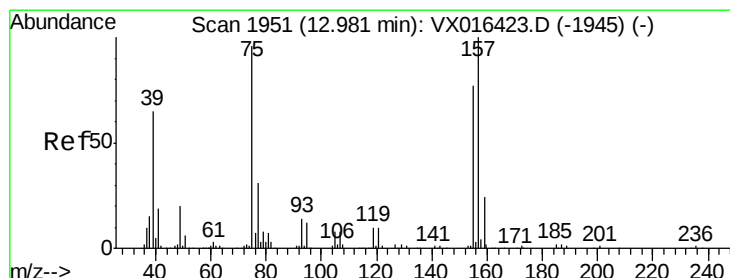
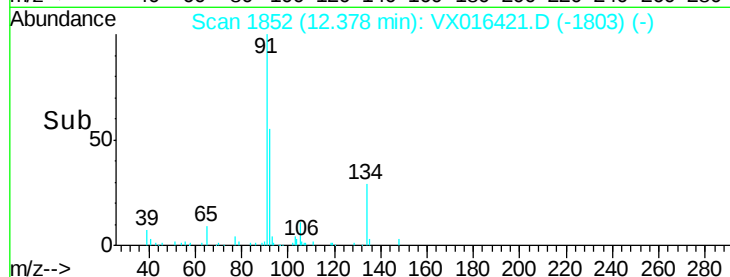
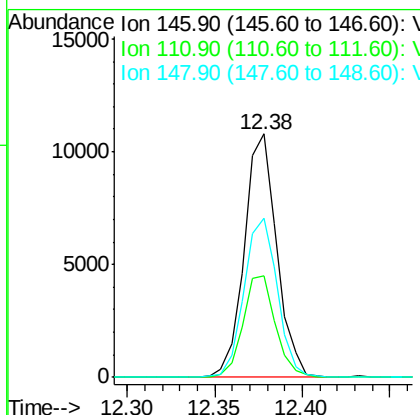
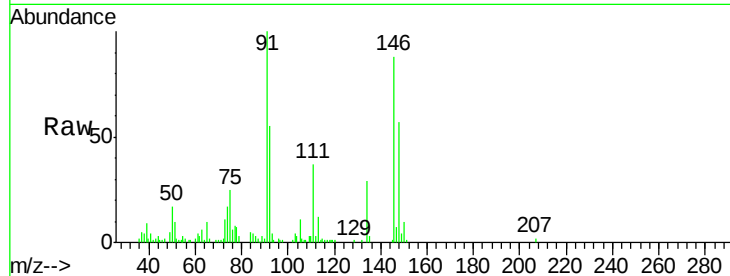
#91
 1,2-Dichlorobenzene
 Concen: 5.262 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX016421.D
 Acq: 26 May 2020 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.4	61.3
148	66.7	31.6	94.8

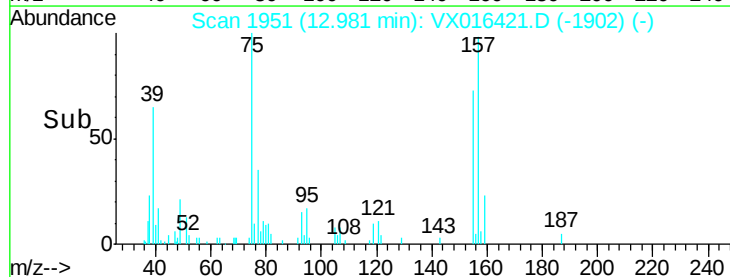
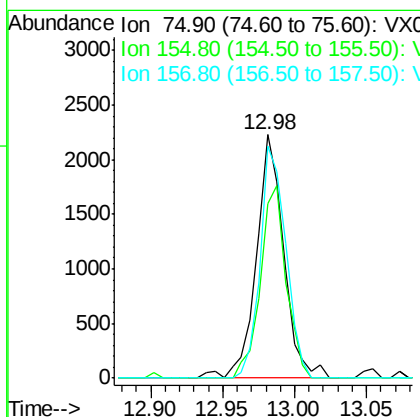
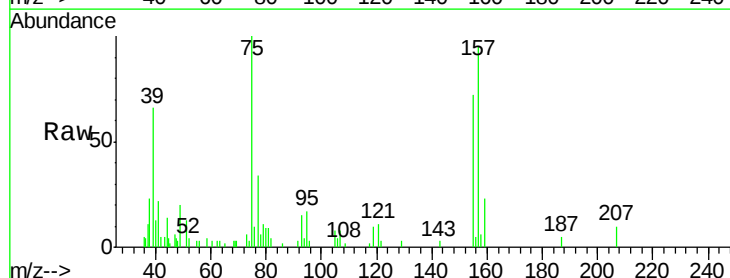
Manual Integrations
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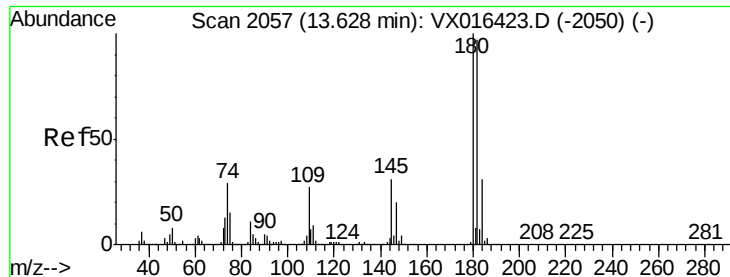
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.029 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX016421.D
 Acq: 26 May 2020 12:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.7	44.8	134.4
157	89.5	57.8	173.4





#93

1,2,4-Trichlorobenzene

Concen: 3.903 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. -0.00 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

Instrument :

MSVOA_X

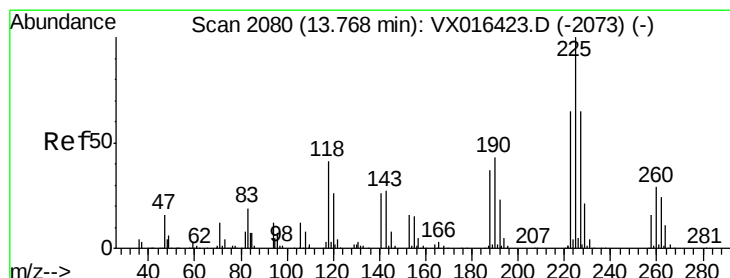
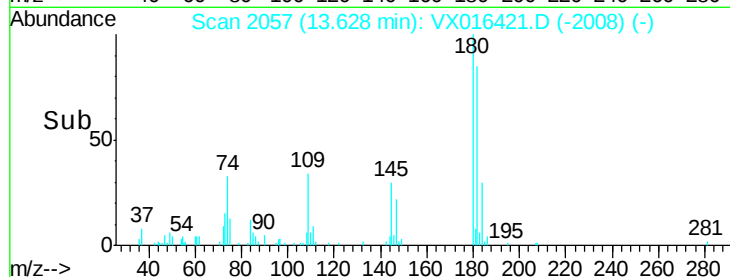
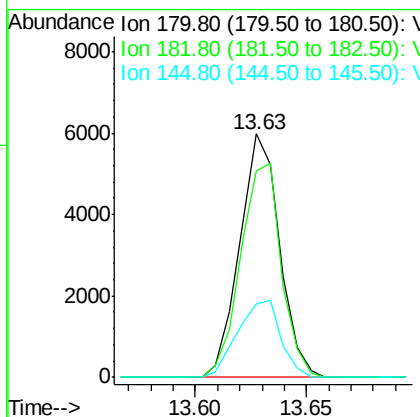
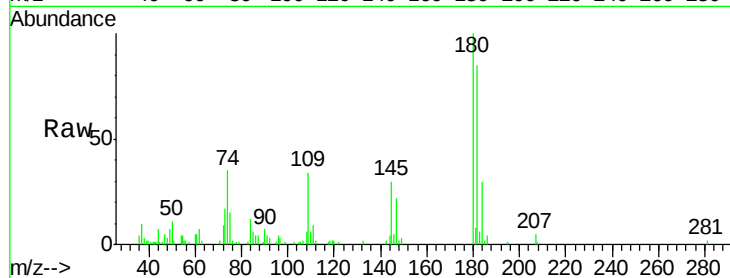
ClientSampleId :

VSTDIC005

Tot Ion:	180	Resp:	7468
Ion Ratio	Lower	Upper	
180	100		
182	89.7	48.6	145.8
145	34.0	15.5	46.5

Manual Integrations
APPROVED

MMDadoda
5/27/2020 12:27:09 PM



#94

Hexachlorobutadiene

Concen: 2.787 ug/l

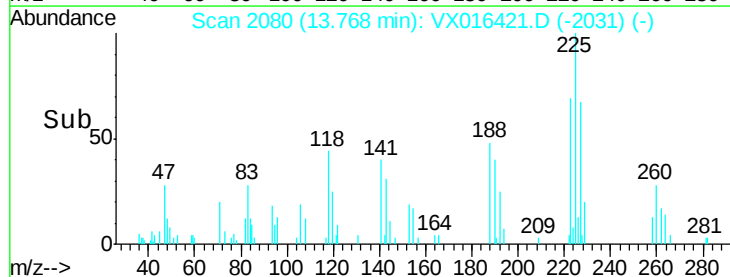
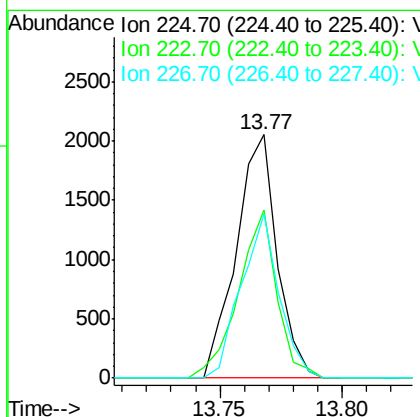
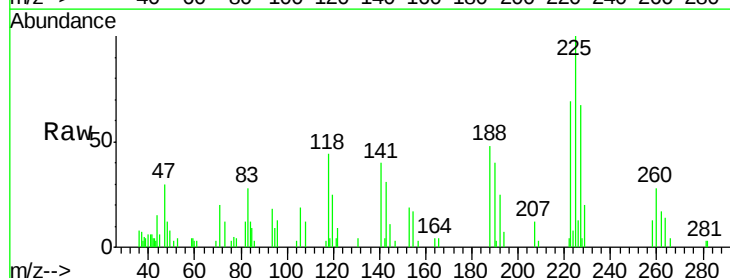
RT: 13.77 min Scan# 2080

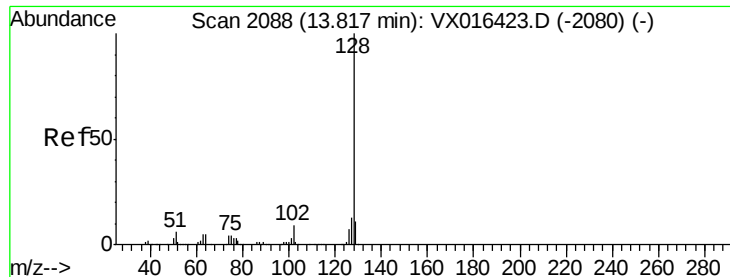
Delta R.T. -0.00 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

Tgt Ion:	225	Resp:	2385
Ion Ratio	Lower	Upper	
225	100		
223	65.0	32.6	98.0
227	62.8	32.5	97.4





#95

Naphthalene

Concen: 4.646 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

Instrument :

MSVOA_X

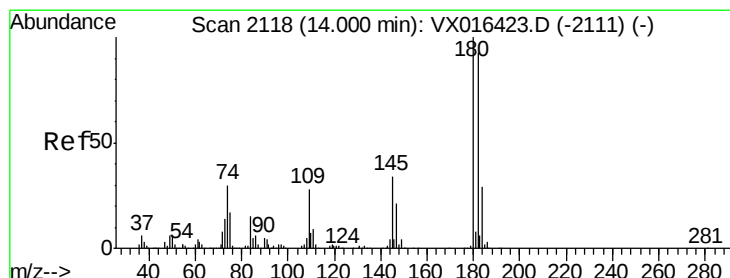
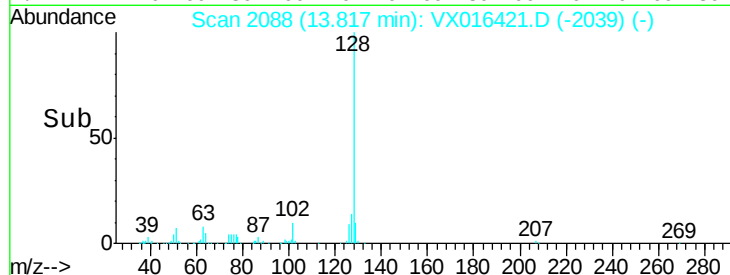
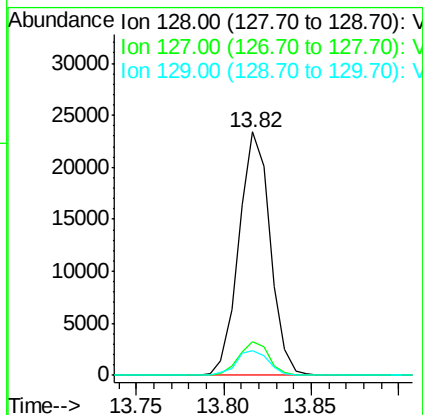
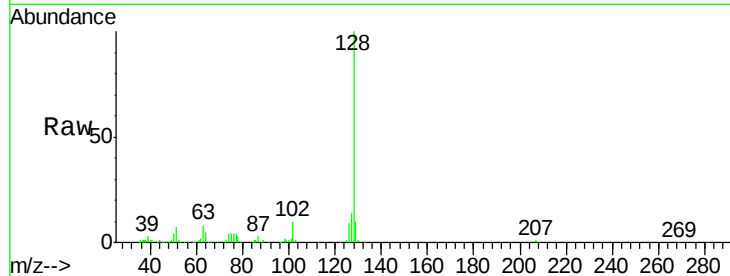
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	29118
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.5	15.7
129	10.6	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/27/2020 12:27:09 PM



#96

1,2,3-Trichlorobenzene

Concen: 4.029 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VX016421.D

Acq: 26 May 2020 12:54

Tgt Ion:	180	Resp:	7500
Ion Ratio	Lower	Upper	
180	100		
182	94.2	48.2	144.6
145	33.7	16.3	48.9

