

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052620\
 Data File : VX016424.D
 Acq On : 26 May 2020 14:02
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 5/27/2020 12:27:34 PM

Quant Time: May 26 16:05:27 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	171574	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	278842	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	259069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	135738	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	211873	92.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	185.86%	
35) Dibromofluoromethane	5.47	113	179625	100.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.92%	
50) Toluene-d8	8.70	98	676454	98.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.78%	
62) 4-Bromofluorobenzene	11.12	95	253799	97.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	148145	85.115	ug/l	100
3) Chloromethane	1.31	50	161114	78.431	ug/l	98
4) Vinyl Chloride	1.39	62	214923	94.821	ug/l	98
5) Bromomethane	1.62	94	296906	200.999	ug/l	98
6) Chloroethane	1.70	64	149664	106.351	ug/l	100
7) Trichlorofluoromethane	1.90	101	355274	115.234	ug/l	97
8) Diethyl Ether	2.17	74	140918	109.279	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.36	101	158054	93.851	ug/l	97
10) Methyl Iodide	2.49	142	191068	88.276	ug/l	98
11) Tert butyl alcohol	3.03	59	245977	441.215	ug/l	100
12) 1,1-Dichloroethene	2.35	96	162375	92.190	ug/l	98
13) Acrolein	2.27	56	134339	396.819	ug/l	98
14) Allyl chloride	2.70	41	264926	83.282	ug/l	98
15) Acrylonitrile	3.12	53	509458	438.684	ug/l	100
16) Acetone	2.42	43	421333	426.101	ug/l	100
17) Carbon Disulfide	2.54	76	479194	80.047	ug/l	99
18) Methyl Acetate	2.75	43	207347	85.342	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	576230	94.381	ug/l	99
20) Methylene Chloride	2.83	84	184702	89.744	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	188951	94.925	ug/l	95
22) Diisopropyl ether	3.82	45	549982	90.286	ug/l	98
23) Vinyl Acetate	3.79	43	2482069	463.991	ug/l	99
24) 1,1-Dichloroethane	3.67	63	318732	92.918	ug/l	99
25) 2-Butanone	4.64	43	711484	445.998	ug/l	98
26) 2,2-Dichloropropane	4.55	77	290875	92.624	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	214702	98.305	ug/l	100
28) Bromochloromethane	4.98	49	146577	93.291	ug/l	99
29) Tetrahydrofuran	5.09	42	464607	440.138	ug/l	100
30) Chloroform	5.18	83	341790	99.103	ug/l	98
31) Cyclohexane	5.55	56	272421	88.901	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	312213	99.280	ug/l	100
36) 1,1-Dichloropropene	5.77	75	253252	92.842	ug/l	99
37) Ethyl Acetate	4.80	43	276014	88.717	ug/l	100
38) Carbon Tetrachloride	5.76	117	281985	101.266	ug/l	92

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 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	7.44	83	285768	88.504	ug/l	96
40) Benzene	6.12	78	753588	94.281	ug/l	100
41) Methacrylonitrile	5.01	41	150987	89.915	ug/l	99
42) 1,2-Dichloroethane	6.17	62	266984	92.849	ug/l	100
43) Isopropyl Acetate	6.42	43	443112	88.991	ug/l	100
44) Trichloroethene	7.19	130	245343	86.871	ug/l	94
45) 1,2-Dichloropropane	7.49	63	187092	93.179	ug/l	98
46) Dibromomethane	7.64	93	138944	100.102	ug/l	98
47) Bromodichloromethane	7.88	83	278475	99.340	ug/l	98
48) Methyl methacrylate	7.75	41	209039	89.102	ug/l	98
49) 1,4-Dioxane	7.72	88	104592	1831.358	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	1426957	467.791	ug/l	100
52) Toluene	8.77	92	491873	98.300	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	317008	95.145	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	327998	94.647	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	200194	101.253	ug/l	98
56) Ethyl methacrylate	9.16	69	312228	98.268	ug/l	100
57) 1,3-Dichloropropane	9.35	76	327776	95.721	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	804133	476.296	ug/l	100
59) 2-Hexanone	9.48	43	1100836	459.128	ug/l	99
60) Dibromochloromethane	9.57	129	240607	109.863	ug/l	99
61) 1,2-Dibromoethane	9.65	107	220936	102.870	ug/l	98
64) Tetrachloroethene	9.32	164	284962	90.748	ug/l	99
65) Chlorobenzene	10.12	112	544201	100.591	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	212889	106.165	ug/l	98
67) Ethyl Benzene	10.24	91	947046	98.719	ug/l	99
68) m/p-Xylenes	10.34	106	752098	208.647	ug/l	99
69) o-Xylene	10.68	106	357800	103.055	ug/l	100
70) Styrene	10.70	104	625042	106.435	ug/l	99
71) Bromoform	10.84	173	180504	110.305	ug/l	97
73) Isopropylbenzene	11.00	105	936711	95.646	ug/l	100
74) N-amyl acetate	10.88	43	392472	87.474	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	247835	137.799	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	276942m	91.170	ug/l	
77) Bromobenzene	11.24	156	248704	97.734	ug/l	97
78) n-propylbenzene	11.34	91	1060699	93.320	ug/l	100
79) 2-Chlorotoluene	11.41	91	623817	92.809	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	773672	93.615	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.06	75	119927	94.668	ug/l	99
82) 4-Chlorotoluene	11.49	91	755683	95.117	ug/l	99
83) tert-Butylbenzene	11.76	119	681953	95.799	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	788816	94.608	ug/l	98
85) sec-Butylbenzene	11.93	105	843703	88.592	ug/l	99
86) p-Isopropyltoluene	12.05	119	812466	92.113	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	441494	97.128	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	436699	94.603	ug/l	98
89) n-Butylbenzene	12.37	91	702828	87.711	ug/l	99
90) Hexachloroethane	12.58	117	147477	96.733	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	427137	97.103	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	71825	89.648	ug/l	95

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ClientSampleId :
VSTDICC100

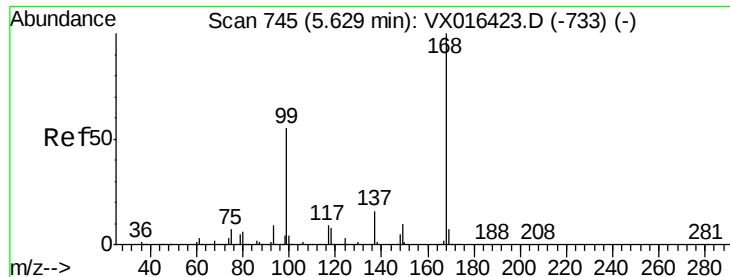
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	273467	85.737	ug/l	96
94) Hexachlorobutadiene	13.77	225	100221	70.267	ug/l	93
95) Naphthalene	13.82	128	986473	94.434	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	265389	85.538	ug/l	100

(#) = 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: VX016424.D

Acq: 26 May 2020 14:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 171574

Ion Ratio Lower Upper

168 100

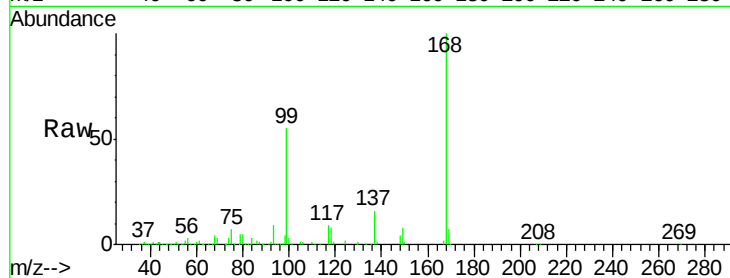
99 55.2 44.4 66.6

Manual Integrations

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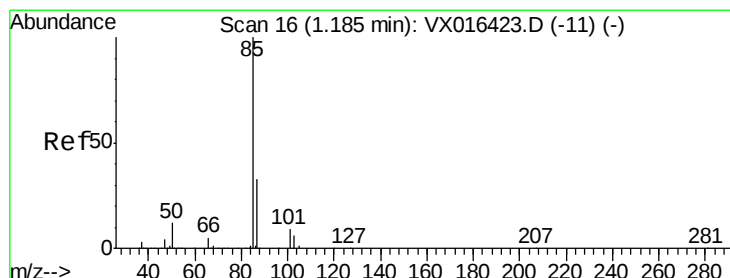
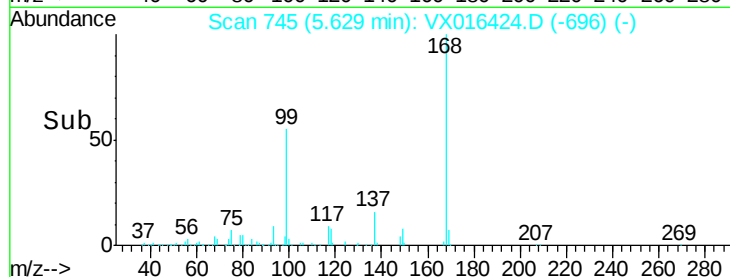
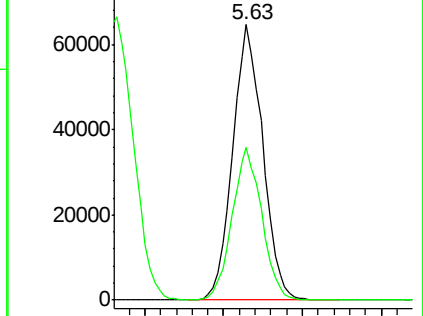
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 85.115 ug/l

RT: 1.18 min Scan# 15

Delta R.T. -0.01 min

Lab File: VX016424.D

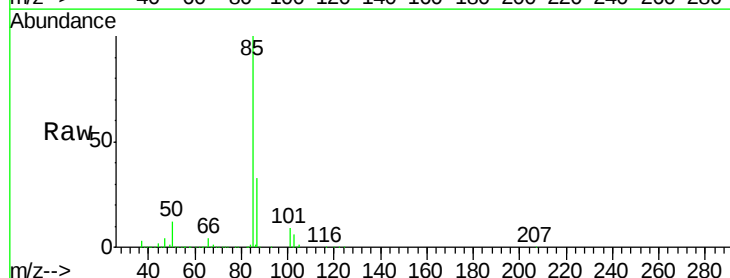
Acq: 26 May 2020 14:02

Tgt Ion: 85 Resp: 148145

Ion Ratio Lower Upper

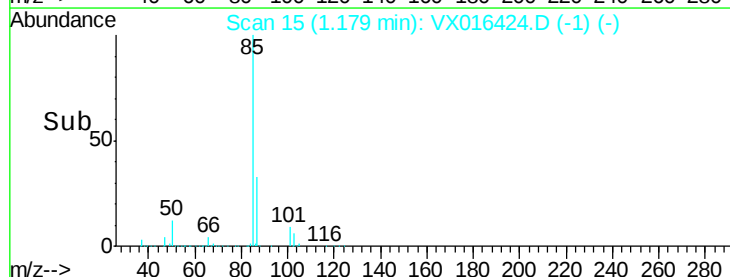
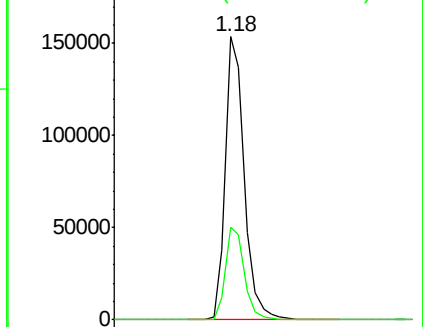
85 100

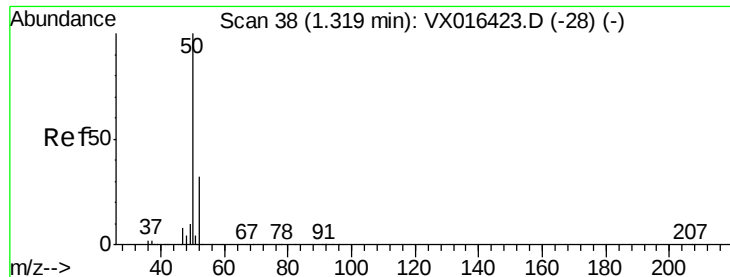
87 32.6 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 78.431 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 161114

Ion Ratio Lower Upper

50 100

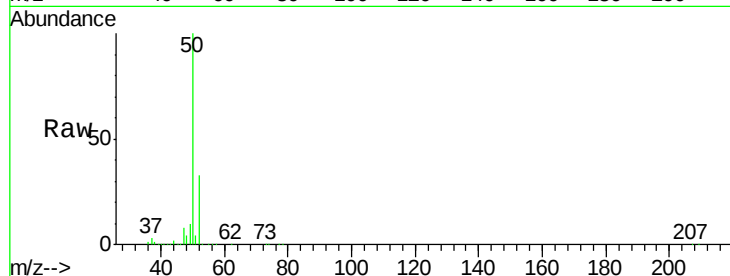
52 33.5 25.9 38.9

Manual Integrations

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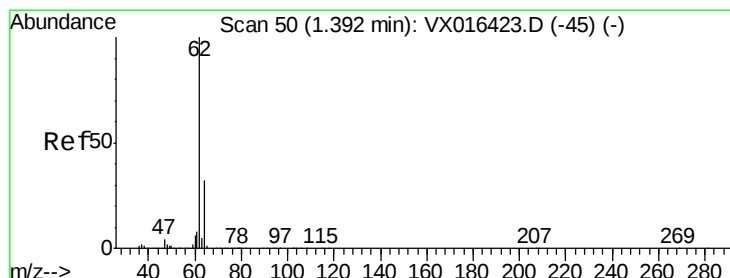
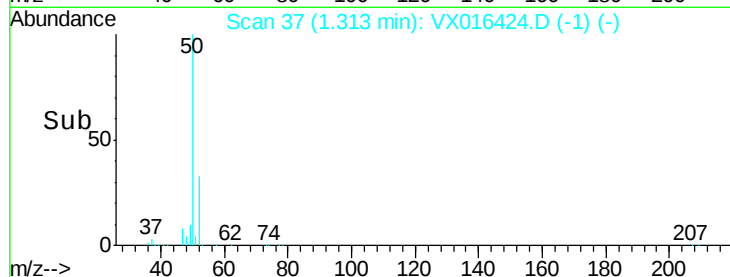
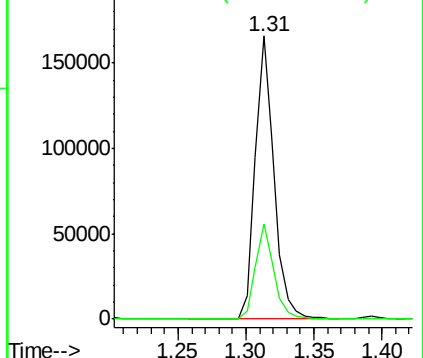
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 94.821 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016424.D

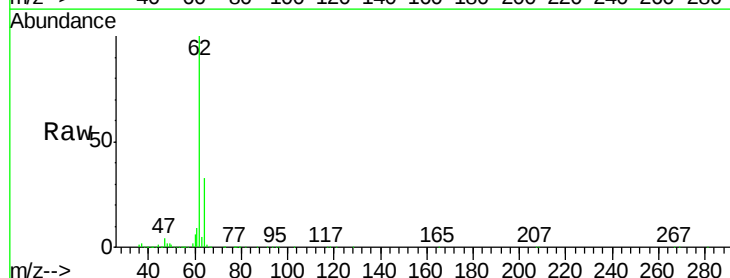
Acq: 26 May 2020 14:02

Tgt Ion: 62 Resp: 214923

Ion Ratio Lower Upper

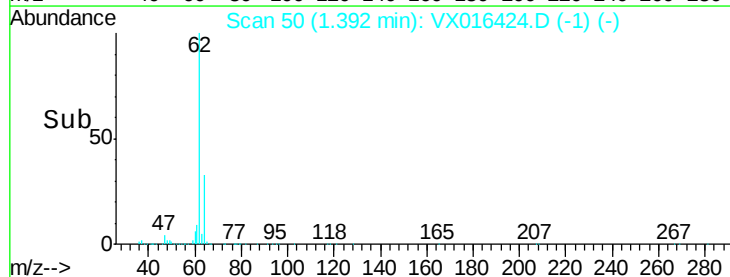
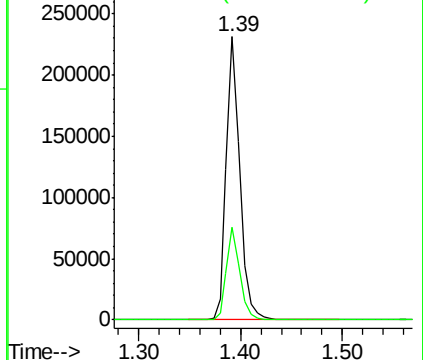
62 100

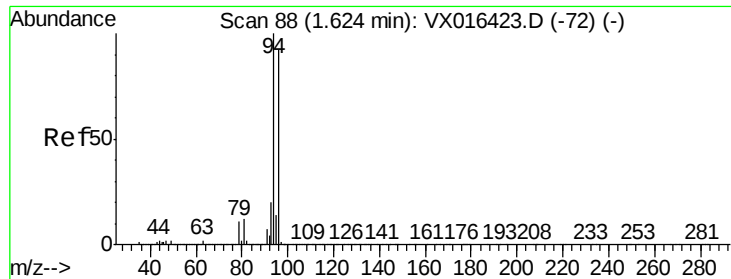
64 32.6 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 200.999 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.01 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 296906

Ion Ratio Lower Upper

94 100

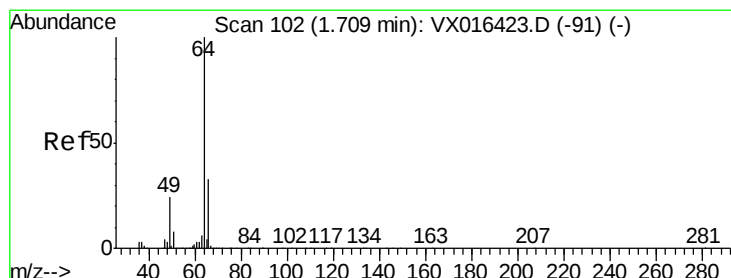
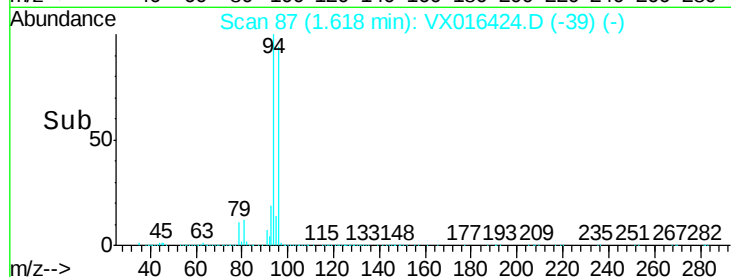
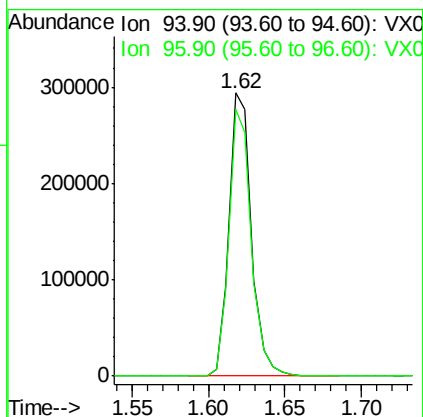
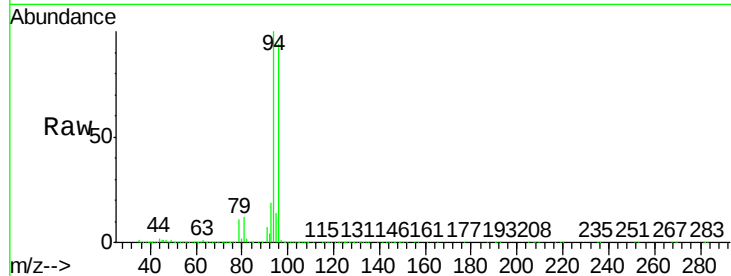
96 94.2 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 106.351 ug/l

RT: 1.70 min Scan# 100

Delta R.T. -0.01 min

Lab File: VX016424.D

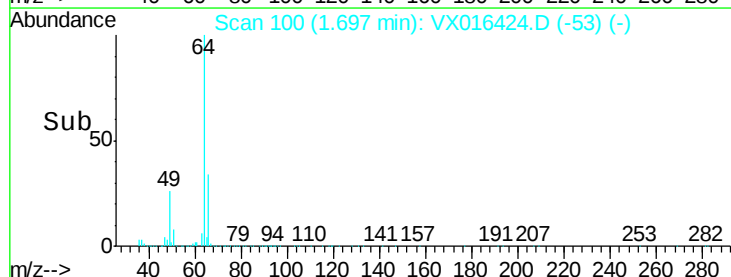
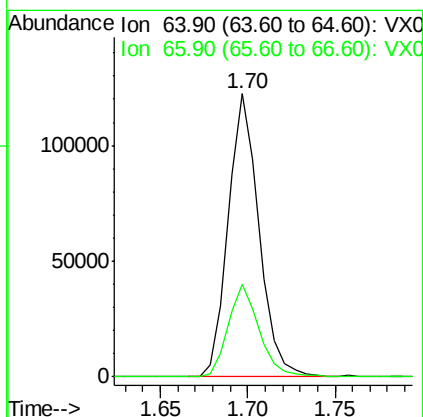
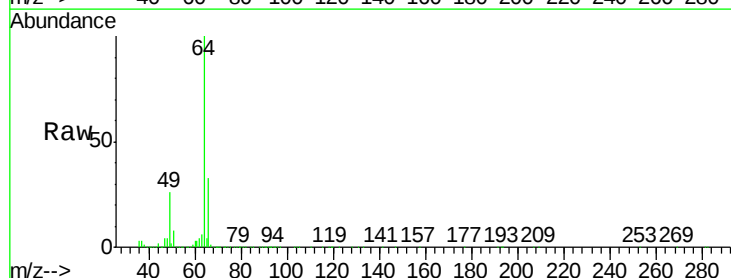
Acq: 26 May 2020 14:02

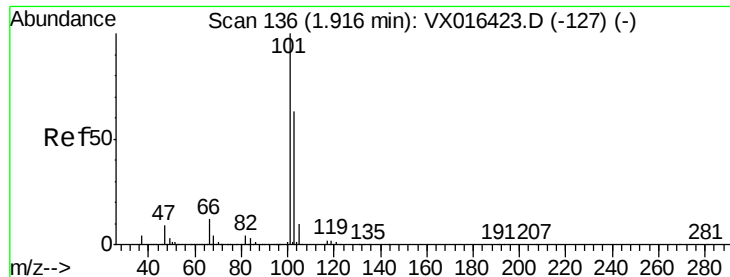
Tgt Ion: 64 Resp: 149664

Ion Ratio Lower Upper

64 100

66 32.7 26.0 39.0





#7

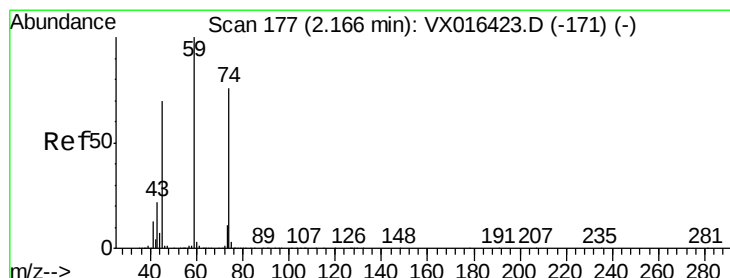
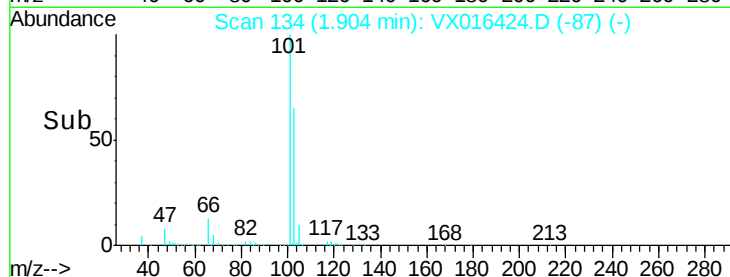
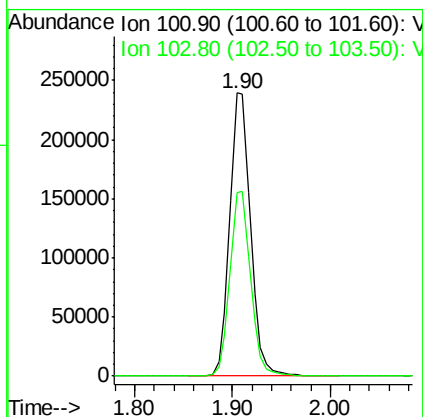
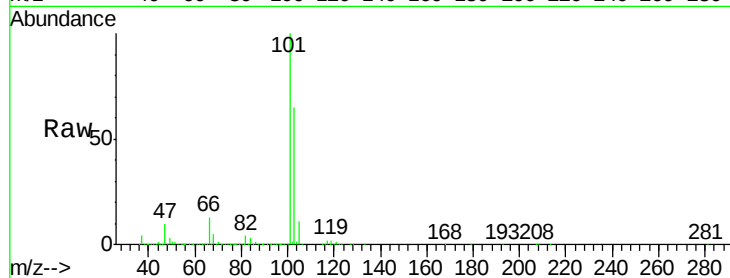
Trichlorofluoromethane
Concen: 115.234 ug/l
RT: 1.90 min Scan# 134
Delta R.T. -0.01 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		355274		
103	65.0	50.1	75.1		

Manual Integrations
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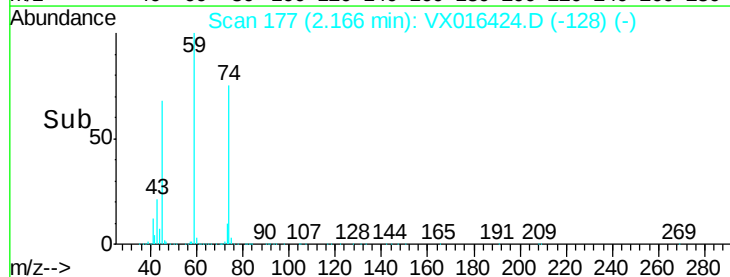
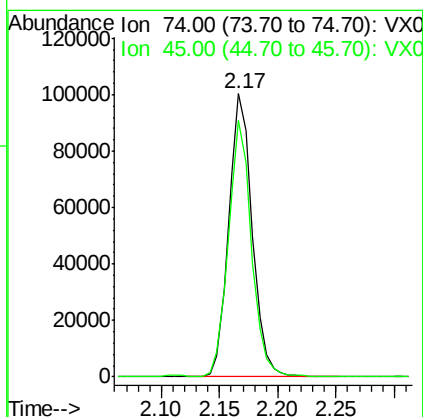
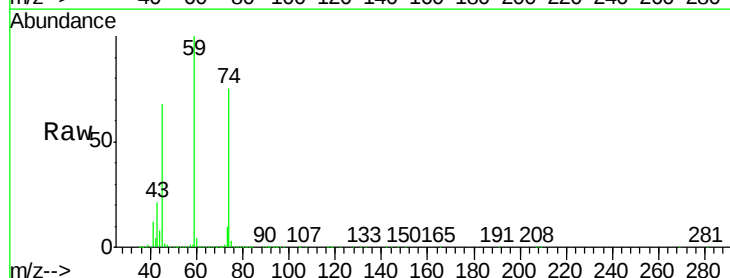
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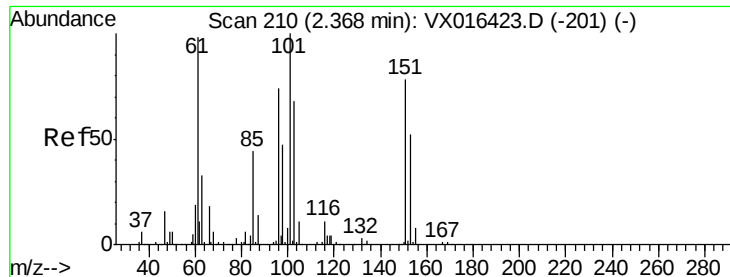


#8

Diethyl Ether
Concen: 109.279 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		140918		
45	88.6	44.4	133.2		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 93.851 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

Instrument :

MSVOA_X

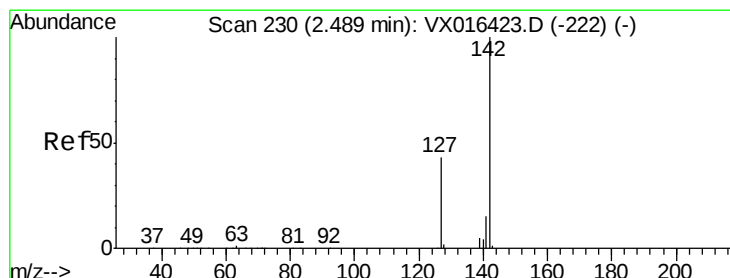
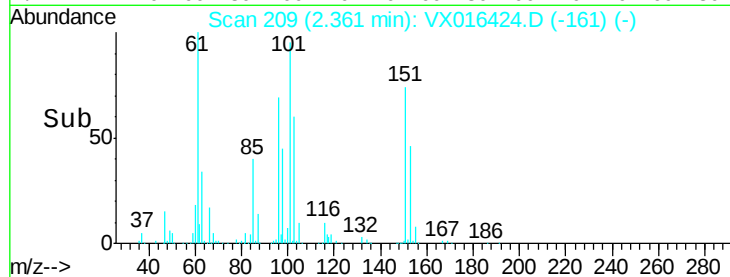
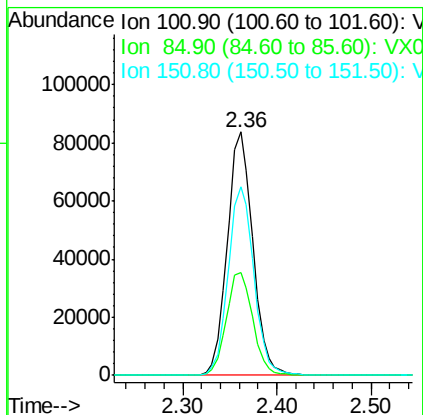
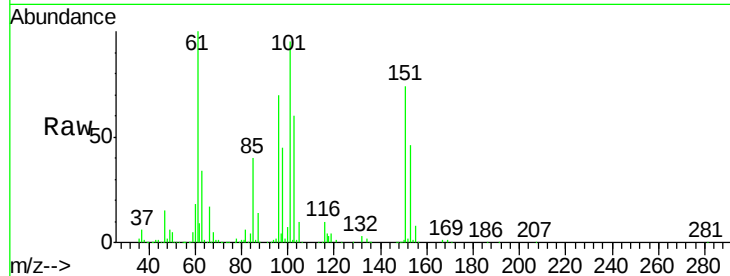
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	158054
Ion Ratio	Lower	Upper	
101	100		
85	43.7	36.2	54.4
151	78.1	60.4	90.6

Manual Integrations
APPROVED

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#10

Methyl Iodide

Concen: 88.276 ug/l

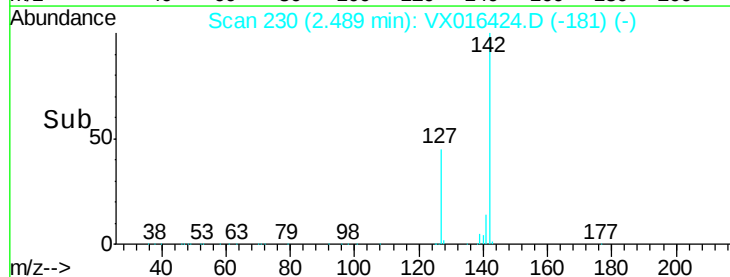
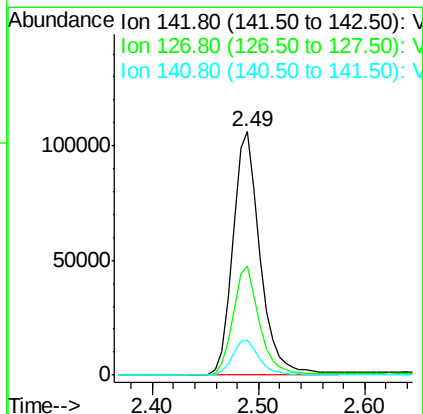
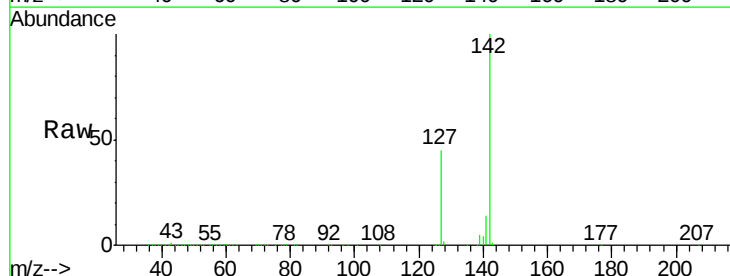
RT: 2.49 min Scan# 230

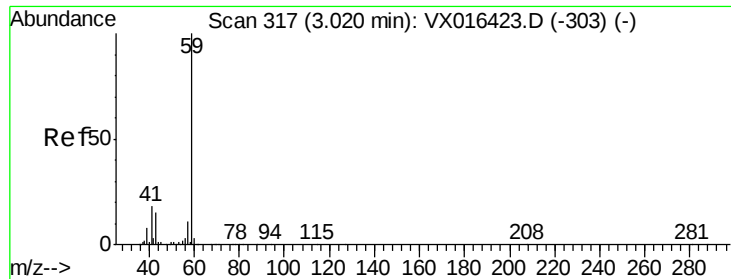
Delta R.T. -0.00 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

Tgt Ion:	142	Resp:	191068
Ion Ratio	Lower	Upper	
142	100		
127	44.2	36.2	54.4
141	14.3	12.2	18.2





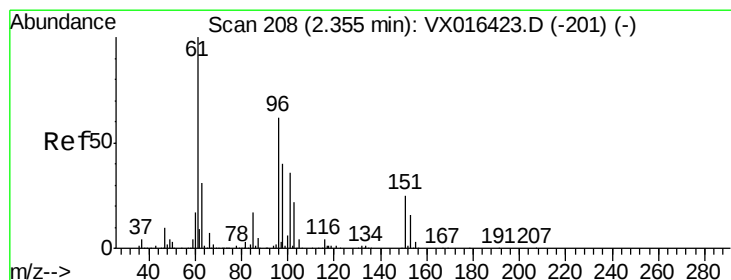
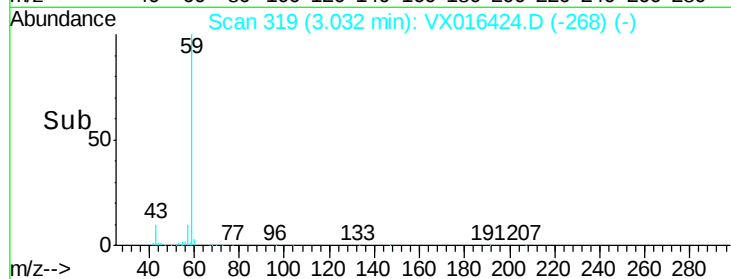
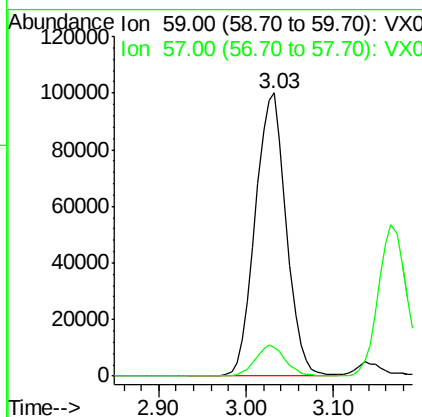
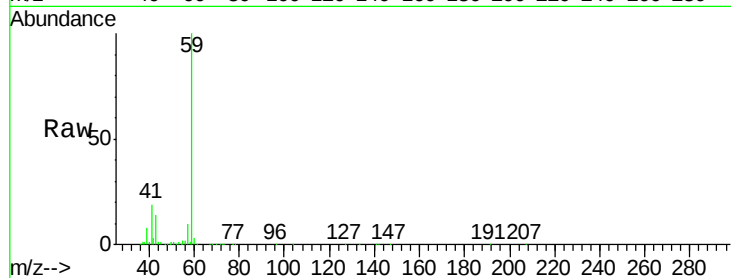
#11
Tert butyl alcohol
Concen: 441.215 ug/l
RT: 3.03 min Scan# 319
Delta R.T. 0.01 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.5	12.7

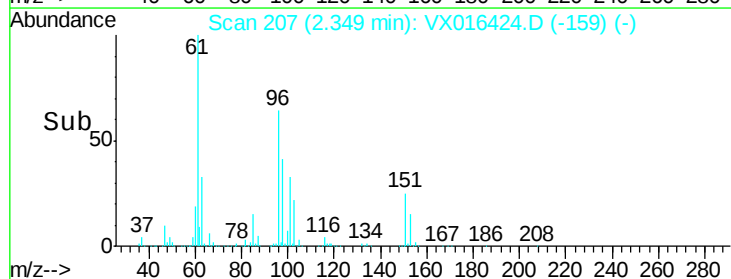
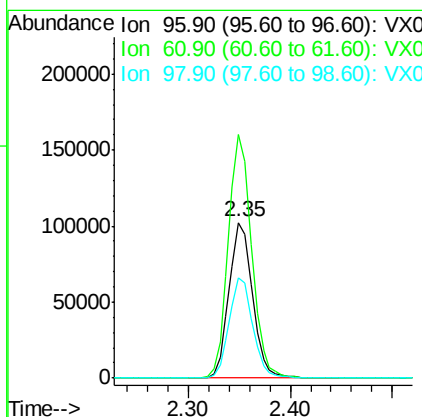
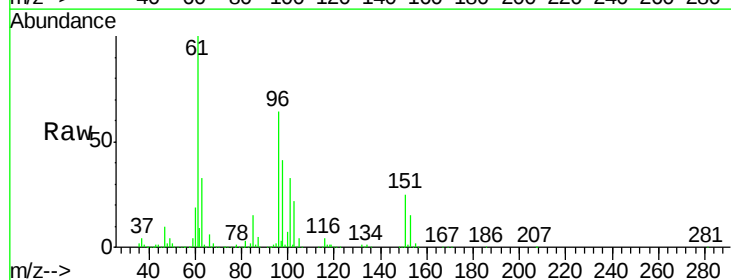
Manual Integrations
APPROVED

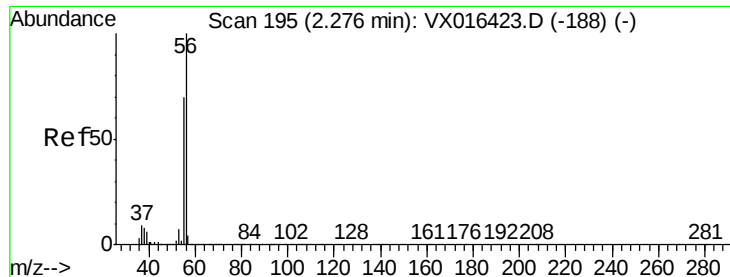
MMDadoda
5/27/2020 12:27:34 PM



#12
1,1-Dichloroethene
Concen: 92.190 ug/l
RT: 2.35 min Scan# 207
Delta R.T. -0.01 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.6	128.2	192.4
98	64.4	50.8	76.2





#13

Acrolein

Concen: 396.819 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

Instrument :

MSVOA_X

ClientSampled :

VSTDICC100

Tot Ion: 56 Resp: 134339

Ion Ratio Lower Upper

56 100

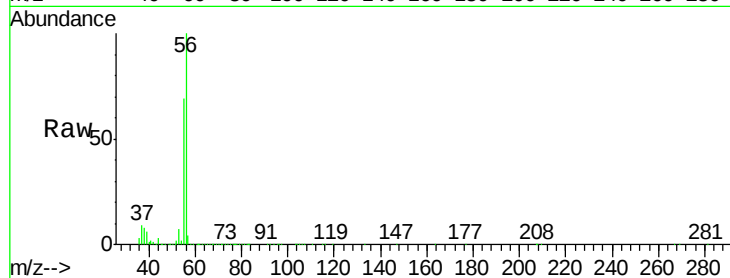
55 68.9 56.5 84.7

Manual Integrations

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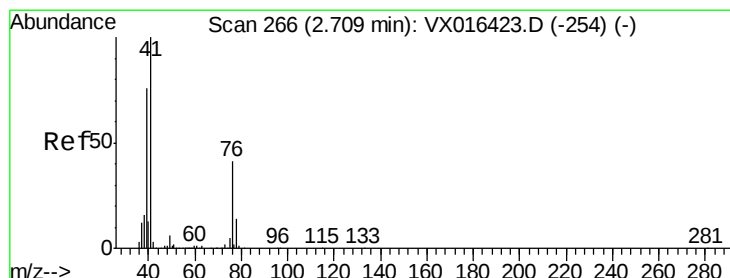
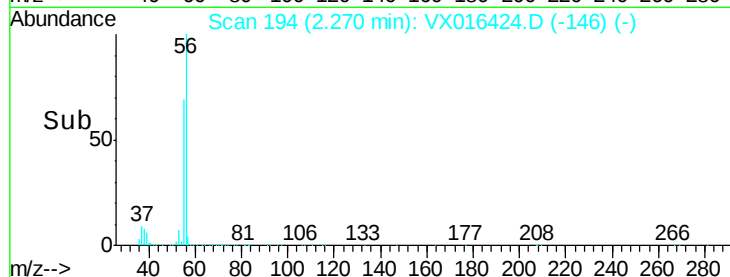
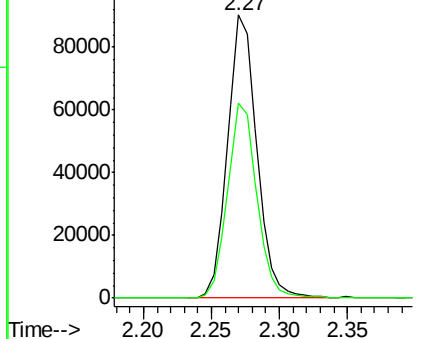
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 83.282 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

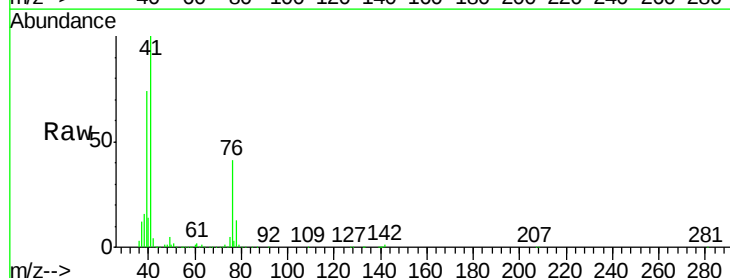
Tgt Ion: 41 Resp: 264926

Ion Ratio Lower Upper

41 100

39 68.2 55.8 83.8

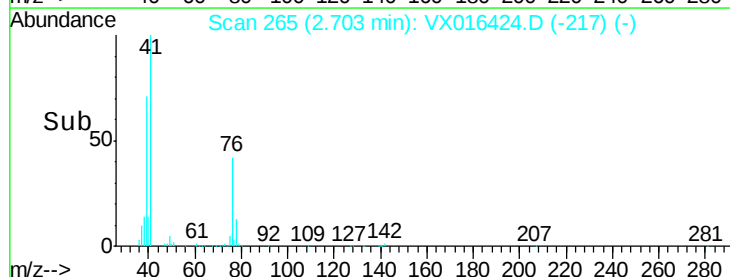
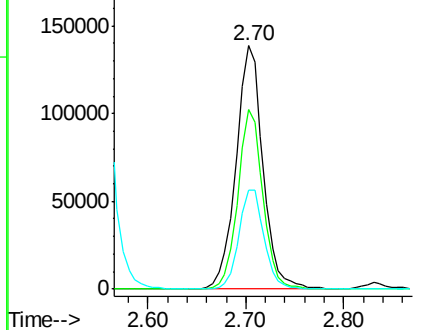
76 38.1 29.6 44.4

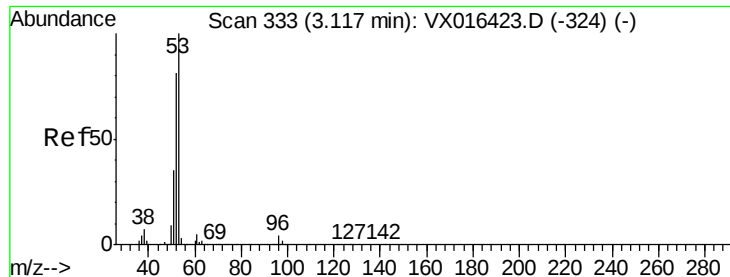


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 438.684 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

Instrument :

MSVOA_X

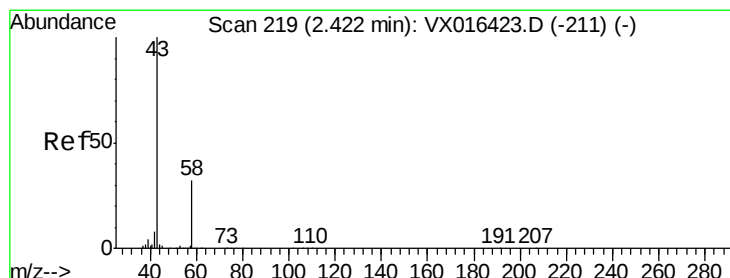
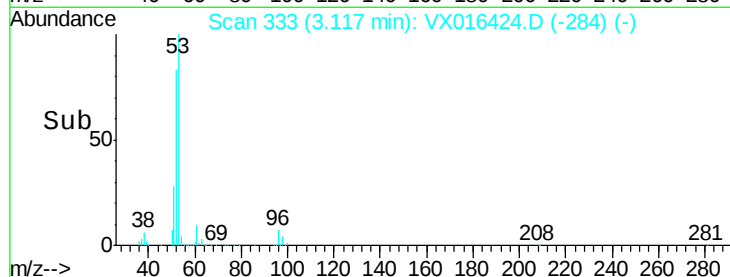
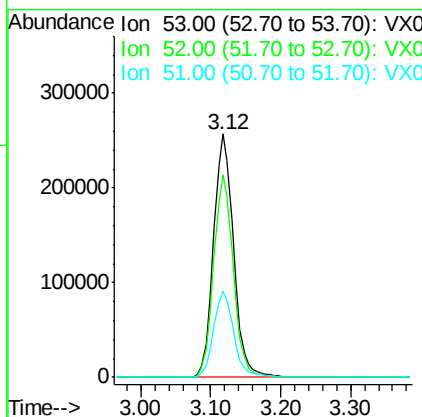
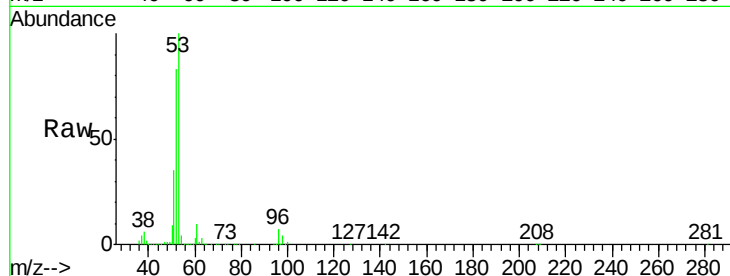
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	509458
Ion Ratio	Lower	Upper	
53	100		
52	81.9	65.4	98.2
51	35.8	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 426.101 ug/l

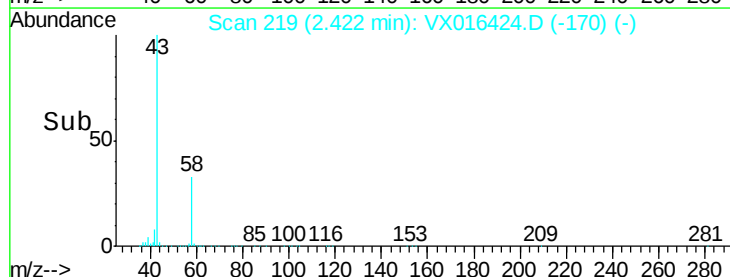
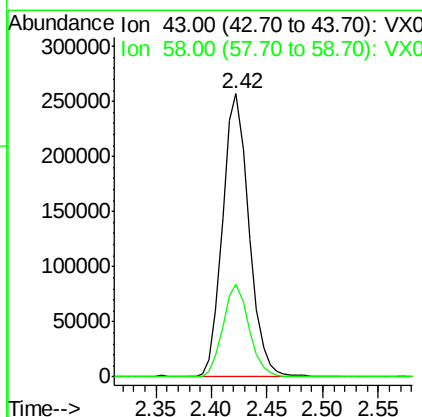
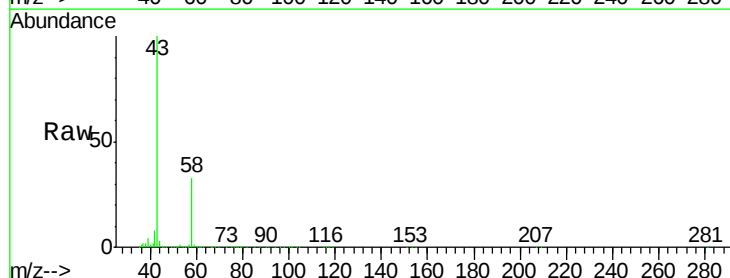
RT: 2.42 min Scan# 219

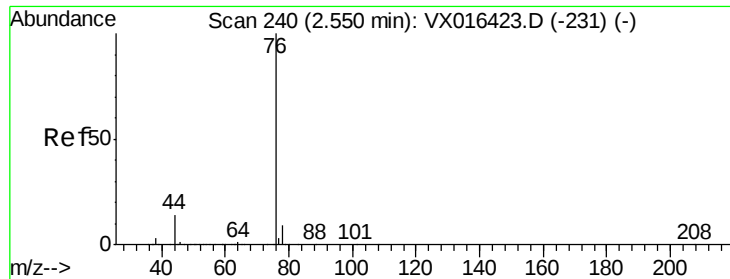
Delta R.T. -0.00 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

Tgt Ion:	43	Resp:	421333
Ion Ratio	Lower	Upper	
43	100		
58	32.6	26.0	39.0





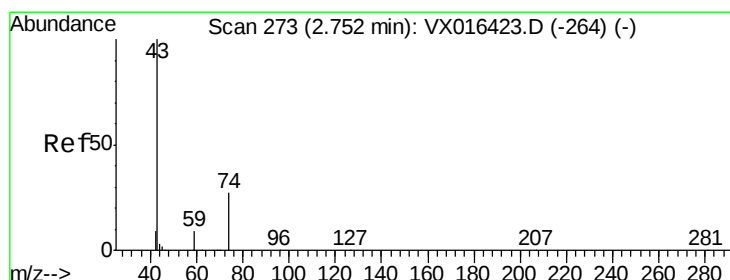
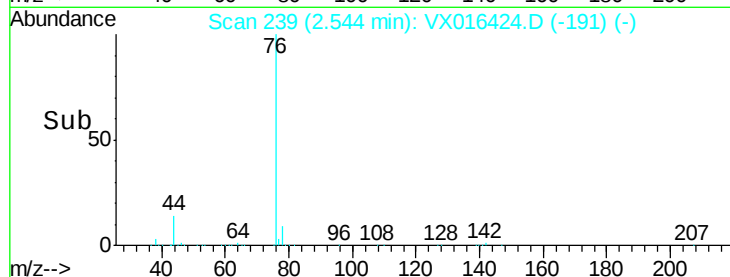
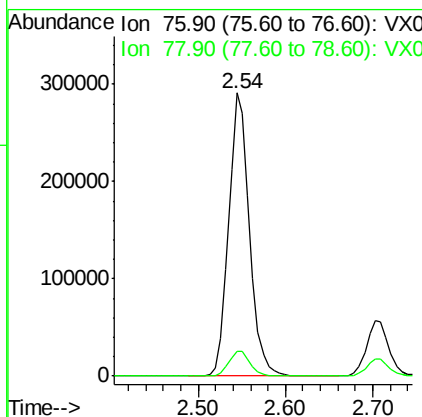
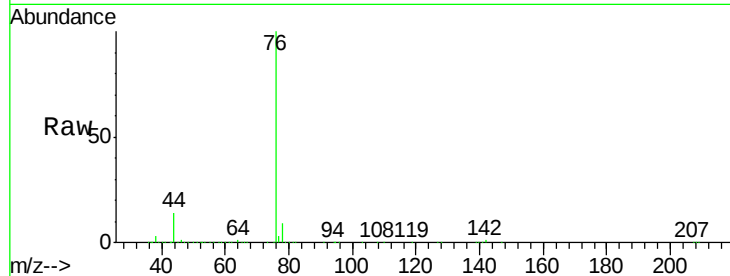
#17
Carbon Disulfide
Concen: 80.047 ug/l
RT: 2.54 min Scan# 239
Delta R.T. -0.01 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.0

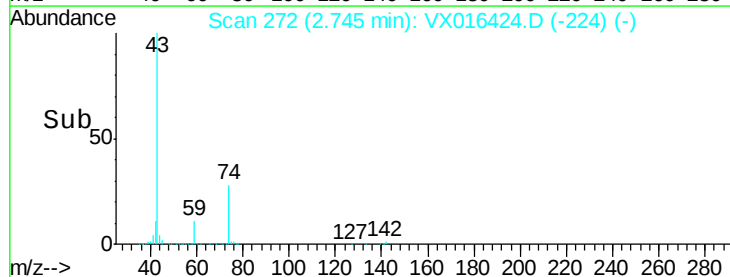
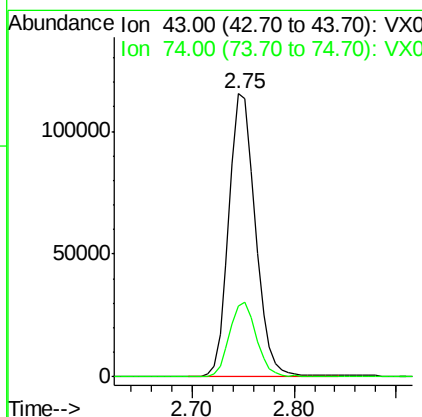
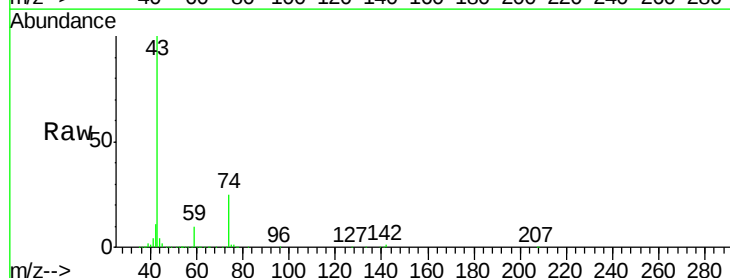
Manual Integrations
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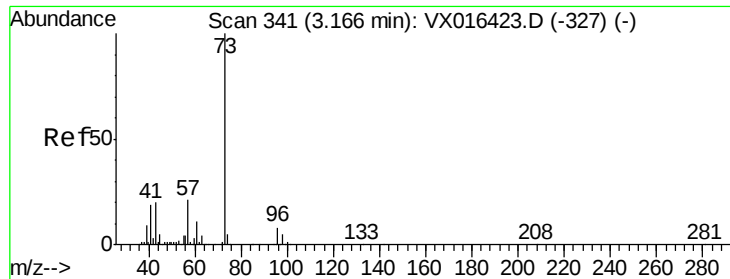
MMDadoda
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#18
Methyl Acetate
Concen: 85.342 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.9	21.3	31.9





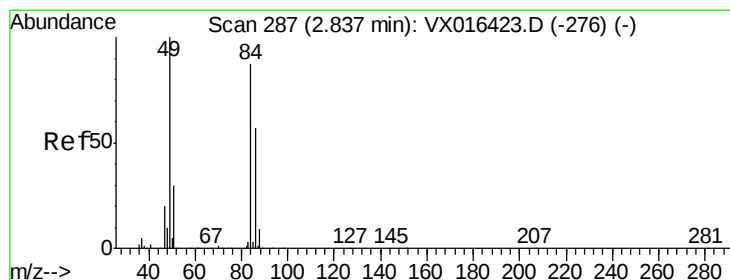
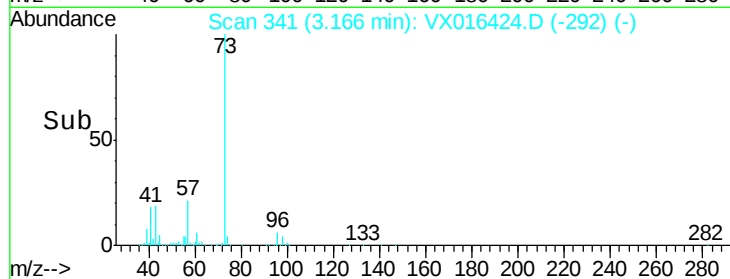
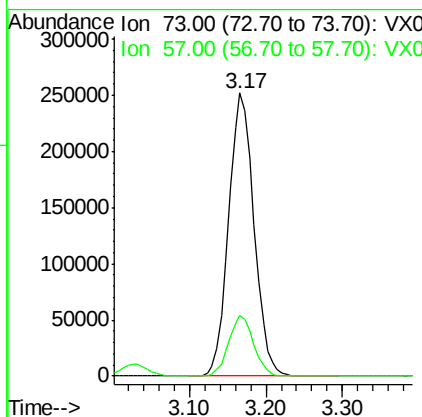
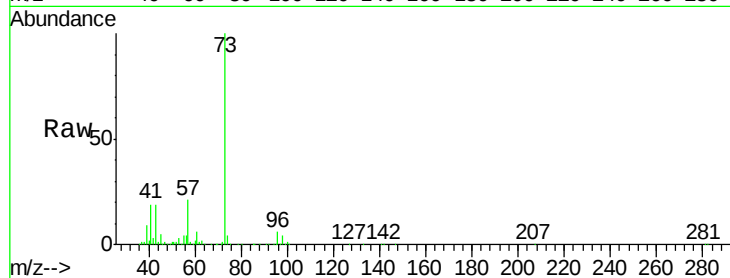
#19
Methyl tert-butyl Ether
Concen: 94.381 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.3	25.9

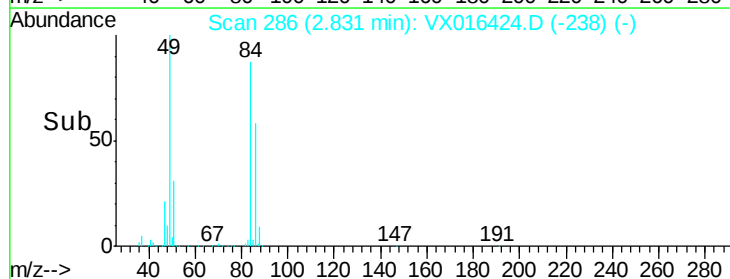
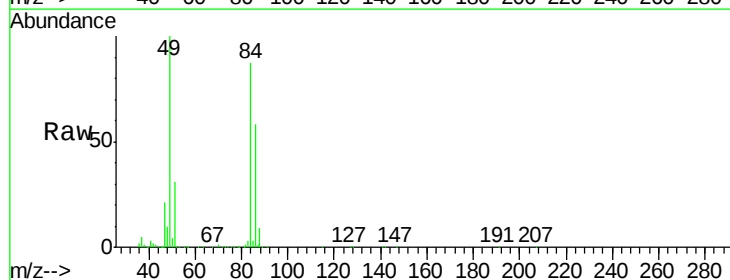
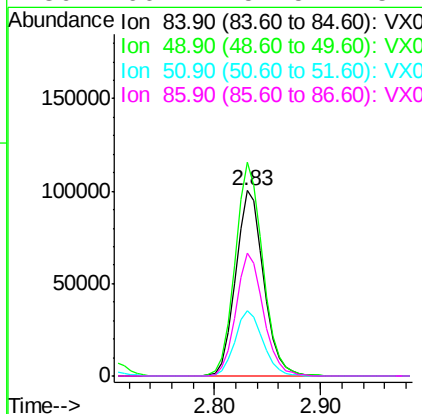
Manual Integrations
APPROVED

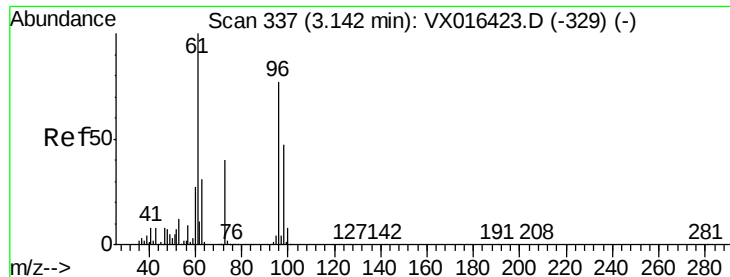
MMDadoda
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#20
Methylene Chloride
Concen: 89.744 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.1	92.2	138.4
51	35.2	27.8	41.8
86	66.7	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 94.925 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

Instrument :

MSVOA_X

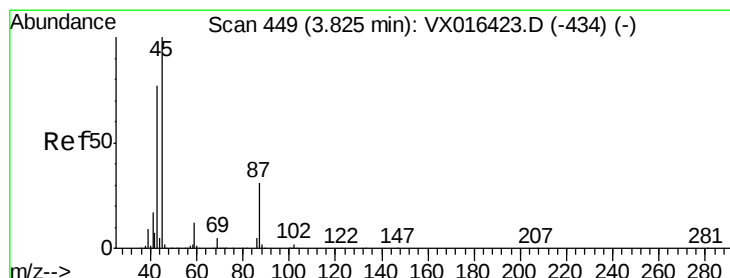
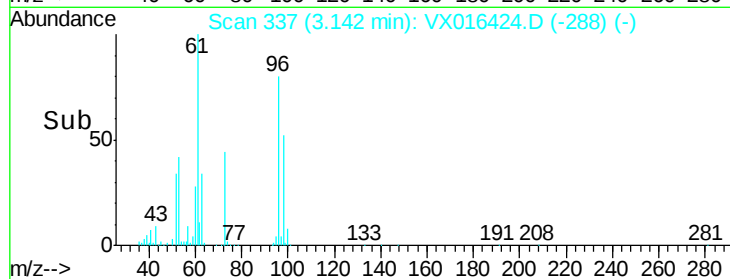
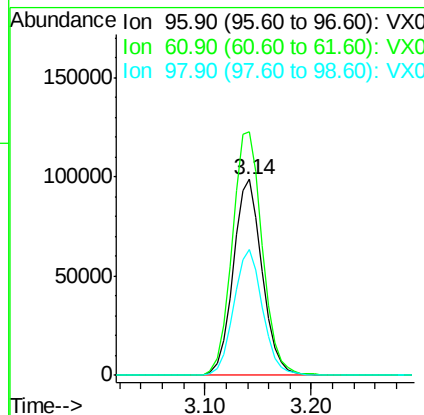
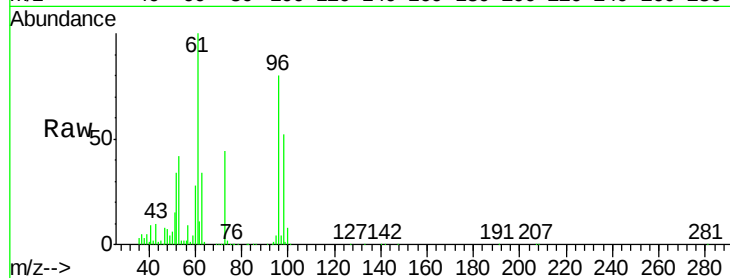
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	188951
Ion	Ratio	Lower	Upper
96	100		
61	124.3	104.3	156.5
98	64.4	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 90.286 ug/l

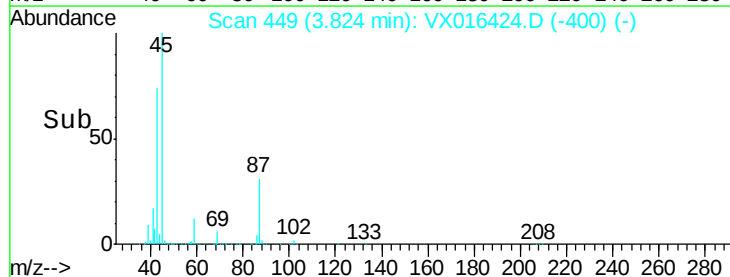
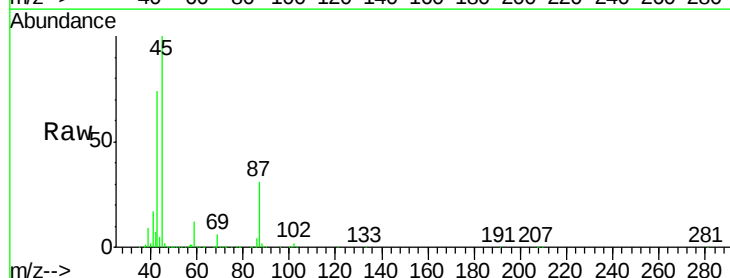
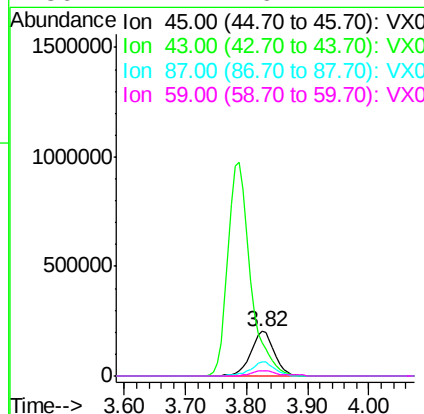
RT: 3.82 min Scan# 449

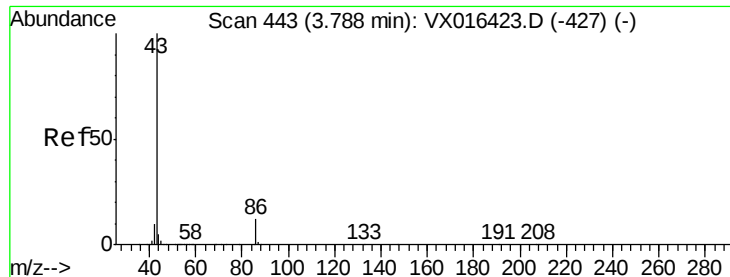
Delta R.T. -0.00 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

Tgt Ion:	45	Resp:	549982
Ion	Ratio	Lower	Upper
45	100		
43	74.1	61.4	92.2
87	30.8	24.4	36.6
59	12.1	9.4	14.2





#23

Vinyl Acetate

Concen: 463.991 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

Instrument :

MSVOA_X

ClientSampled :

VSTDICC100

Tot Ion: 43 Resp: 2482069

Ion Ratio Lower Upper

43 100

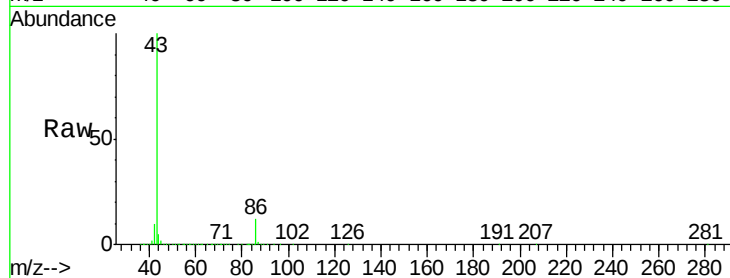
86 12.1 9.8 14.8

Manual Integrations

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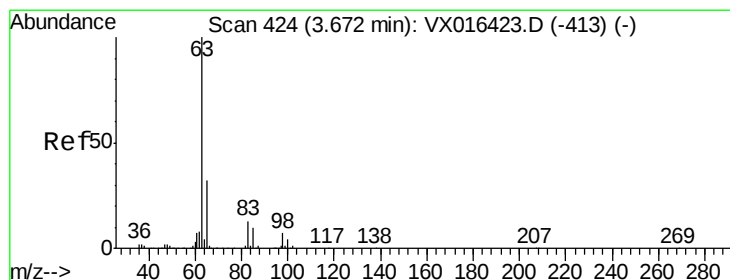
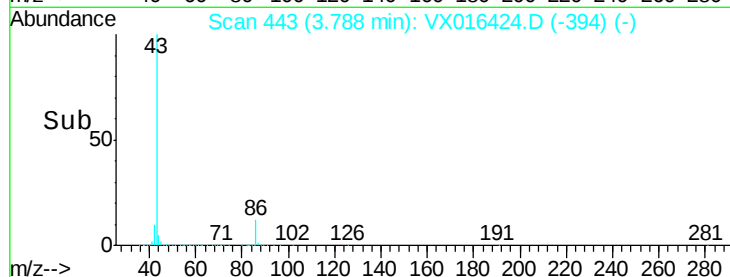
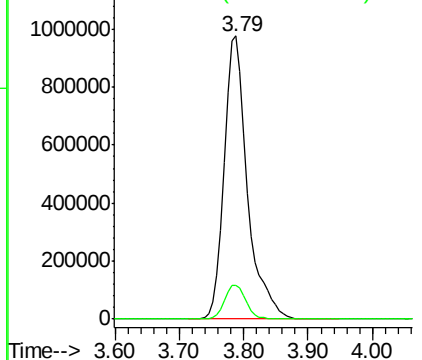
MMDadoda

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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: 92.918 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

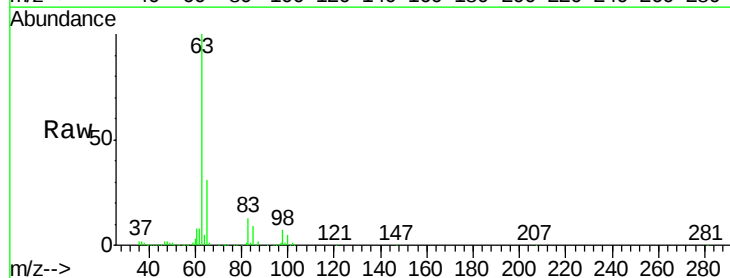
Tgt Ion: 63 Resp: 318732

Ion Ratio Lower Upper

63 100

98 7.4 3.6 10.8

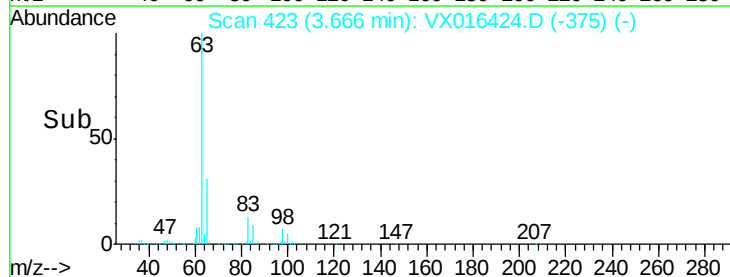
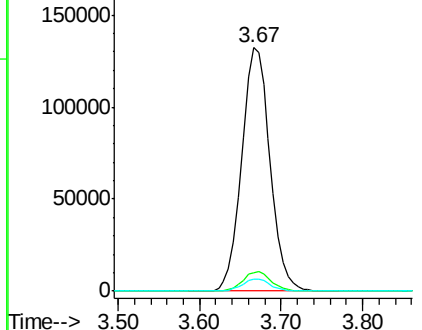
100 4.8 2.1 6.5

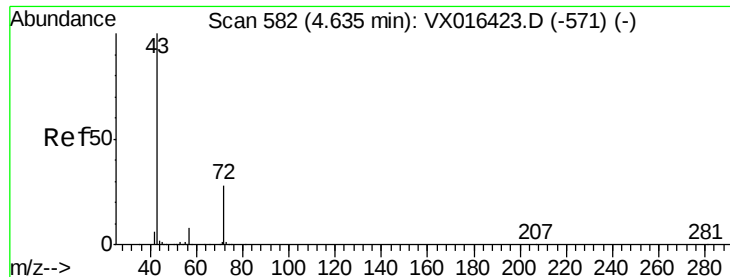


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 445.998 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 711484

Ion Ratio Lower Upper

43 100

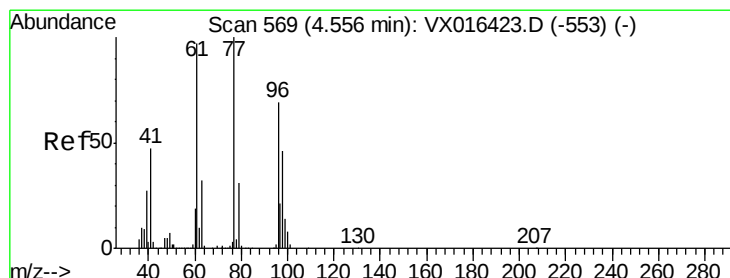
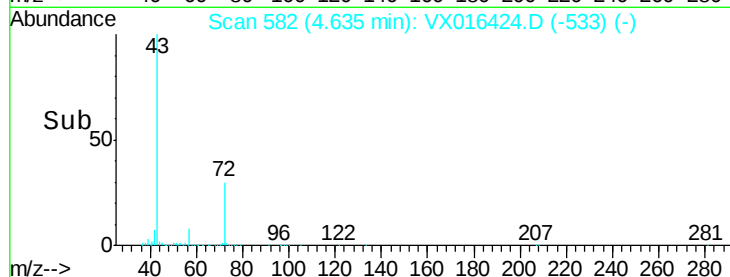
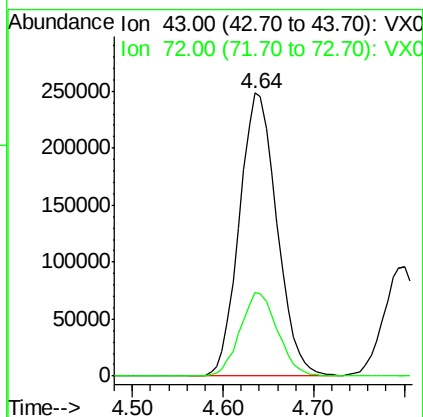
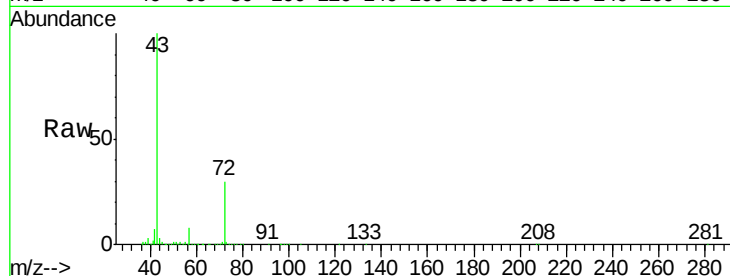
72 29.4 22.7 34.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 92.624 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VX016424.D

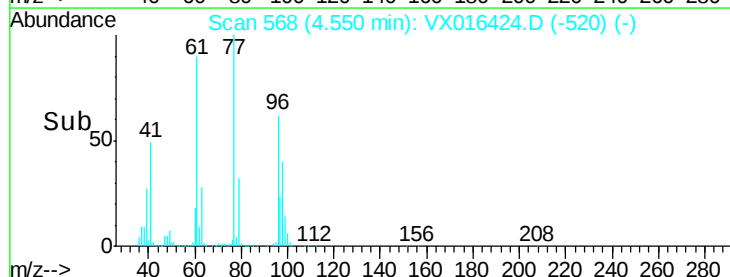
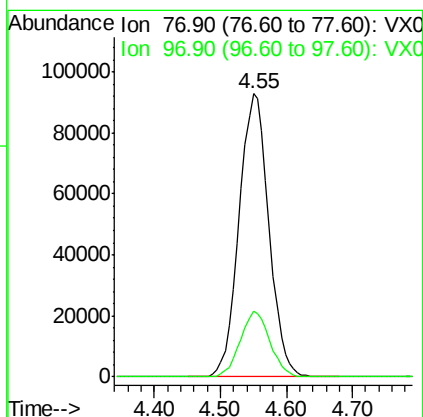
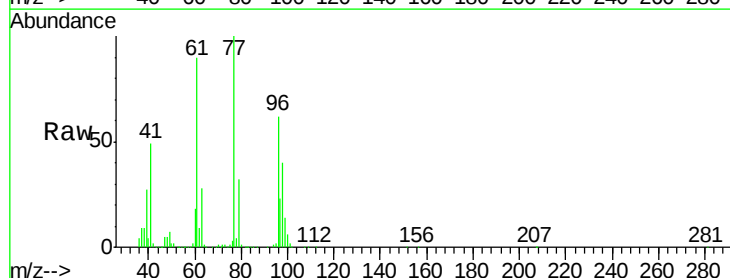
Acq: 26 May 2020 14:02

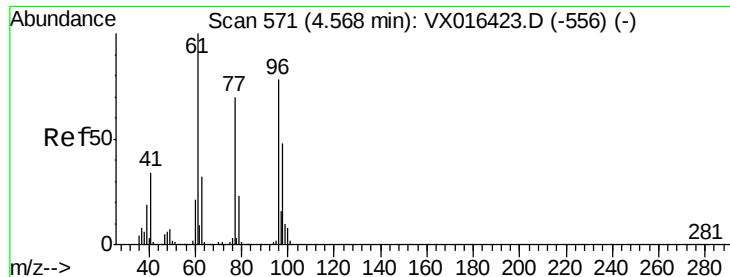
Tgt Ion: 77 Resp: 290875

Ion Ratio Lower Upper

77 100

97 22.9 11.5 34.5





#27

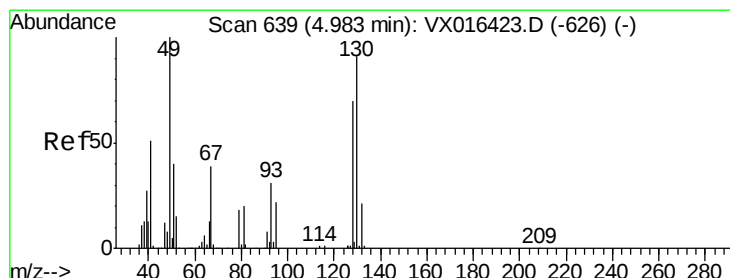
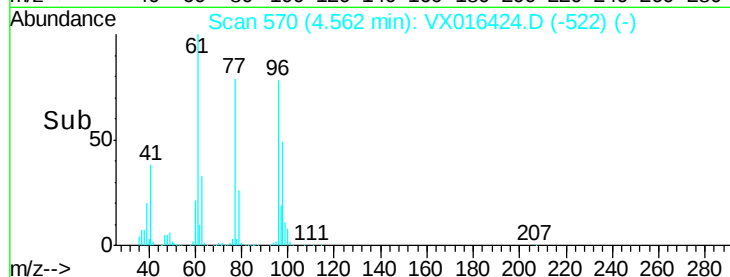
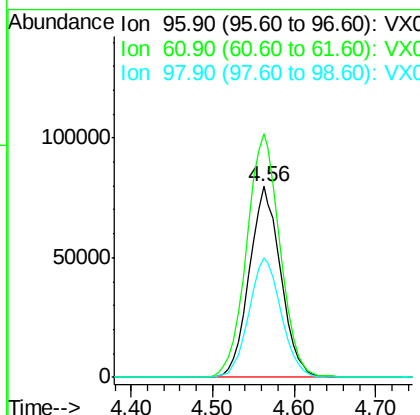
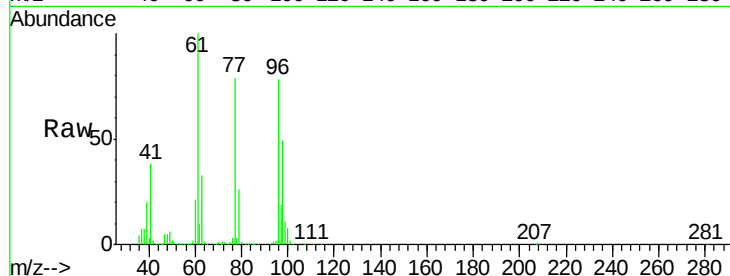
cis-1,2-Dichloroethene
Concen: 98.305 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	214702		
61	135.3	0.0	271.0	
98	64.3	0.0	127.6	

Manual Integrations
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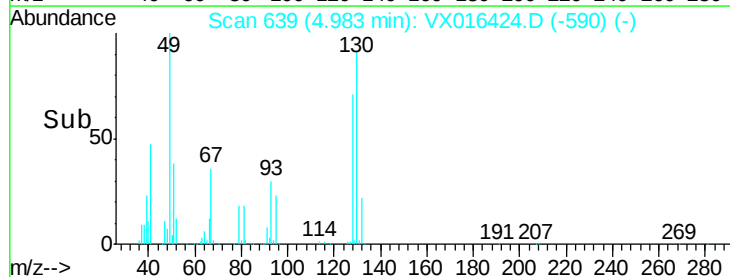
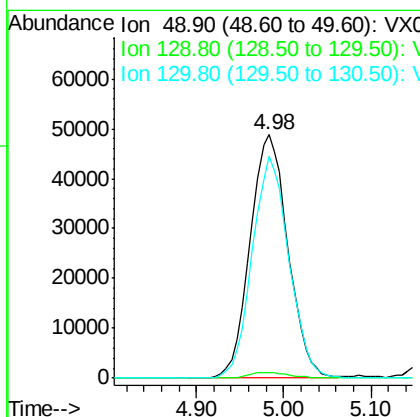
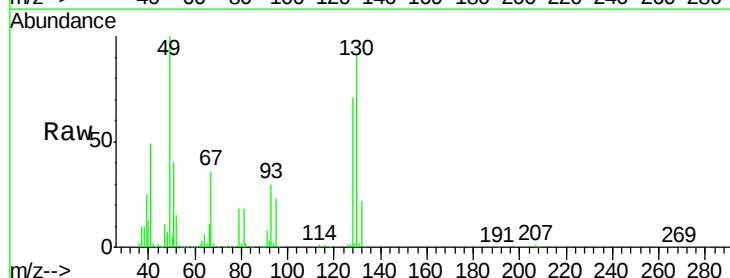
MMDadoda
5/27/2020 12:27:34 PM

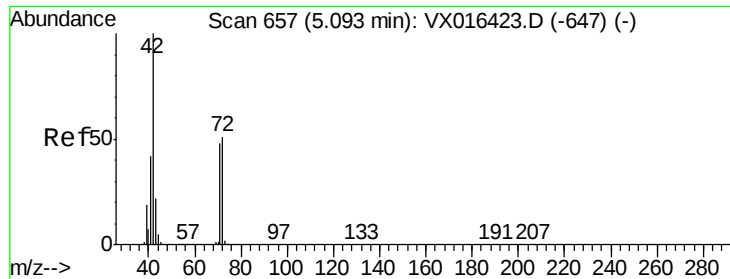


#28

Bromochloromethane
Concen: 93.291 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	146577		
129	2.5	0.0	4.8	
130	88.3	71.2	106.8	





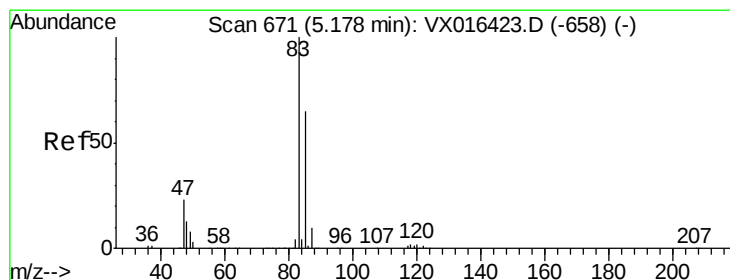
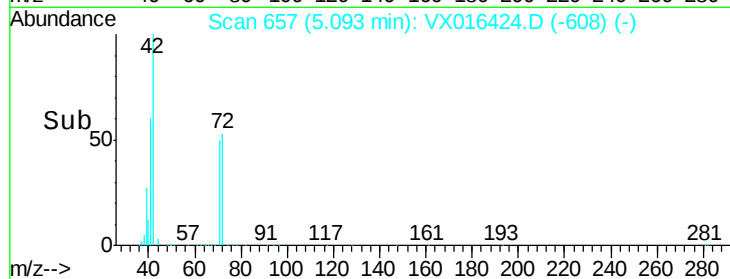
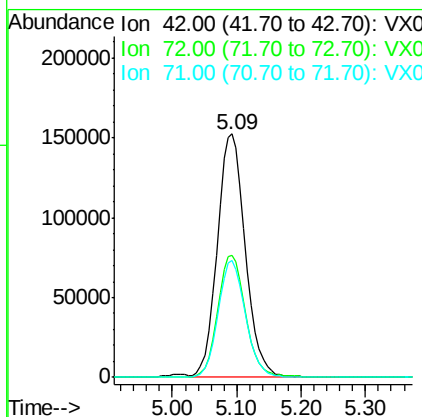
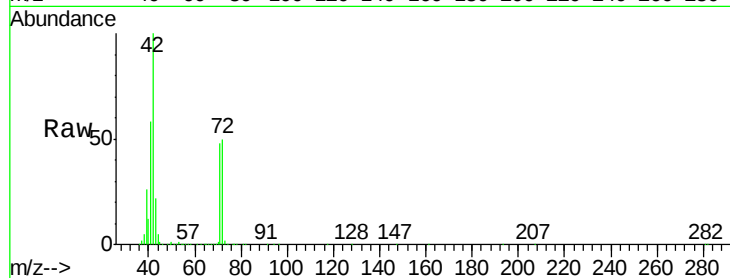
#29
Tetrahydrofuran
Concen: 440.138 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
42	100	464607		
72	50.5		40.2	60.4
71	47.2		37.7	56.5

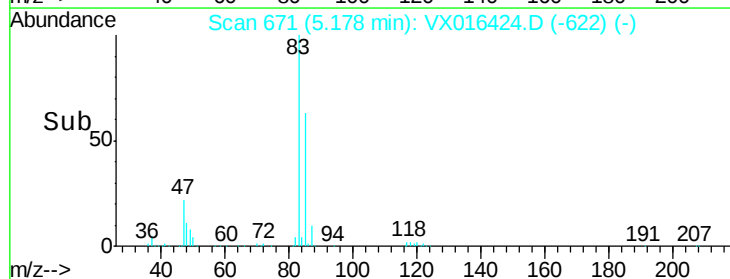
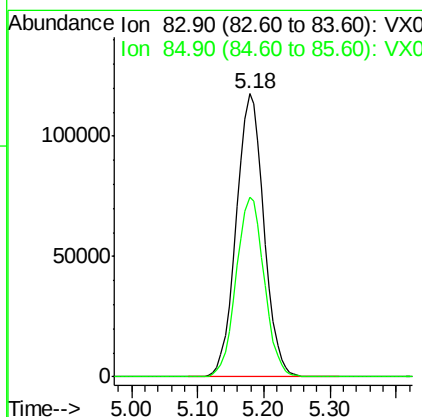
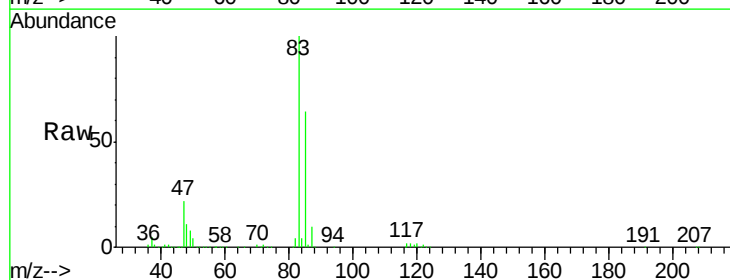
Manual Integrations
APPROVED

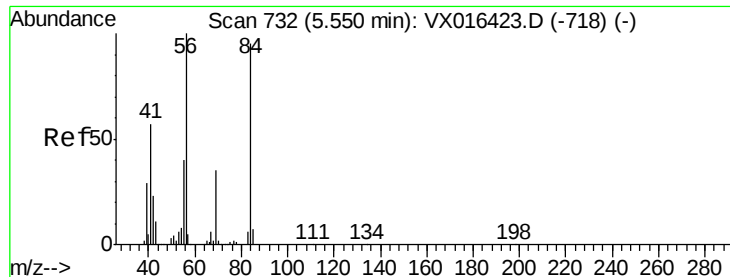
MMDadoda
5/27/2020 12:27:34 PM



#30
Chloroform
Concen: 99.103 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	341790		
85	63.6		52.1	78.1





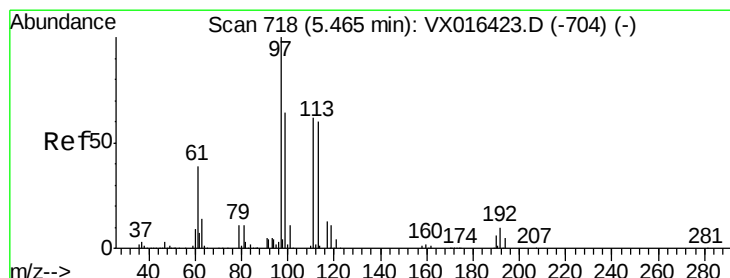
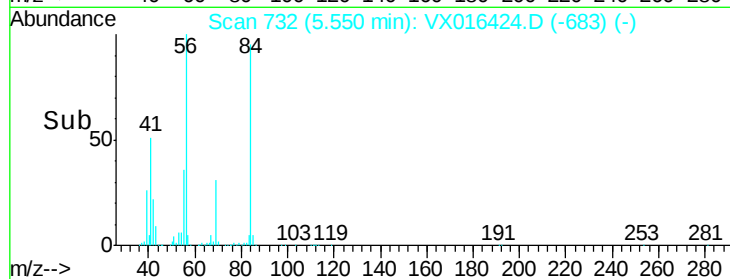
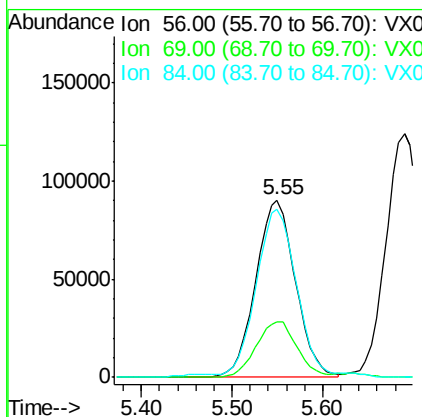
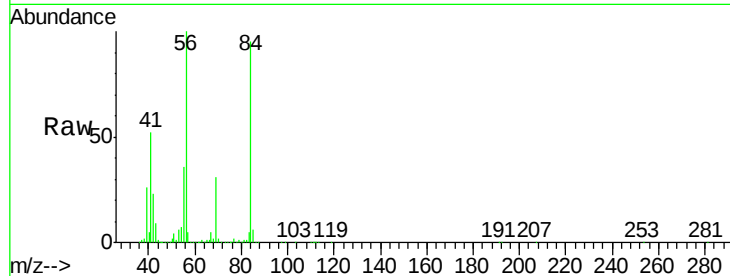
#31
Cyclohexane
Concen: 88.901 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	31.5	27.7	41.5	
84	93.2	76.1	114.1	

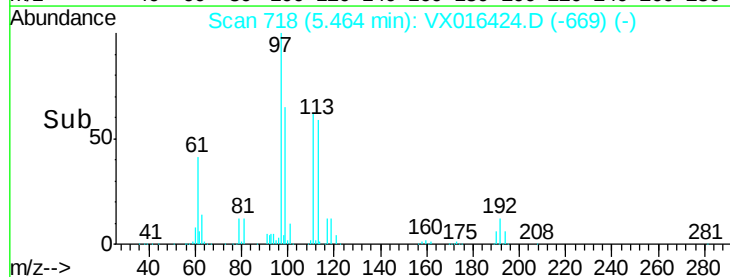
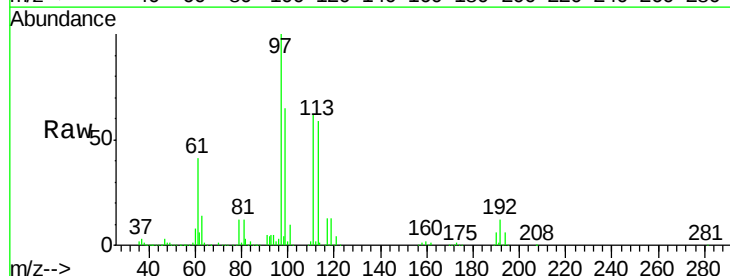
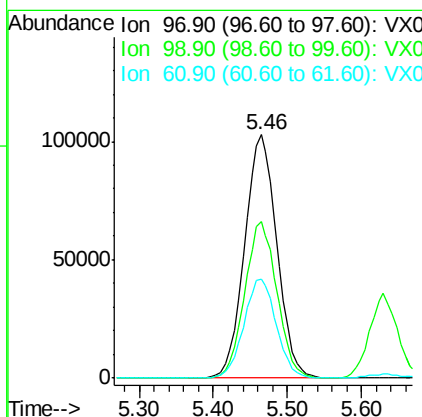
Manual Integrations
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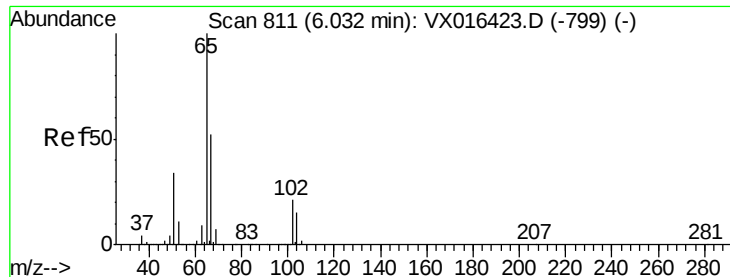
MMDadoda
5/27/2020 12:27:34 PM



#32
1,1,1-Trichloroethane
Concen: 99.280 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.2	51.1	76.7	
61	41.2	33.1	49.7	





#33

1,2-Dichloroethane-d4

Concen: 92.931 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 211873

Ion Ratio Lower Upper

65 100

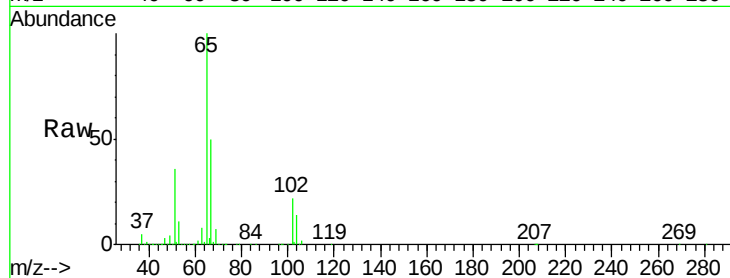
67 52.1 0.0 104.2

Manual Integrations

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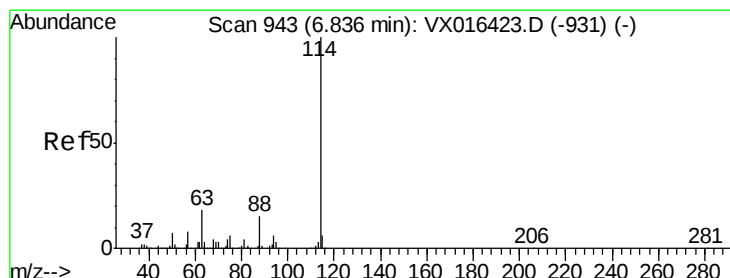
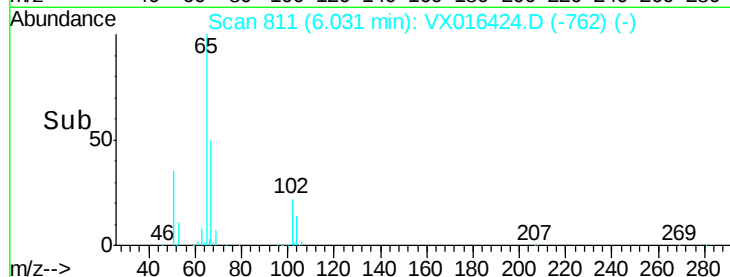
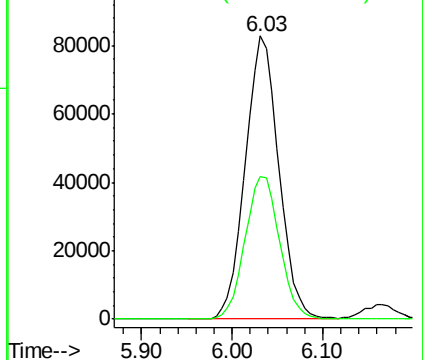
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

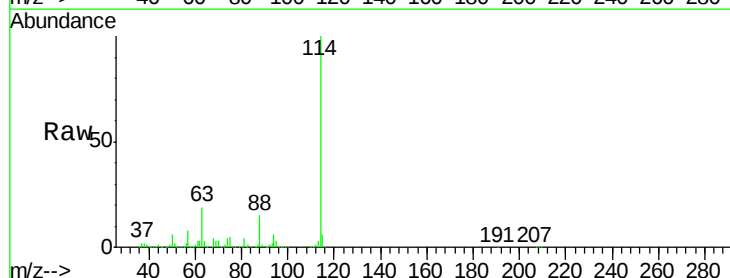
Tgt Ion: 114 Resp: 278842

Ion Ratio Lower Upper

114 100

63 19.2 0.0 36.4

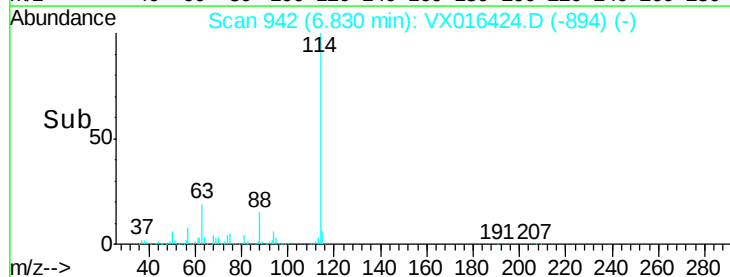
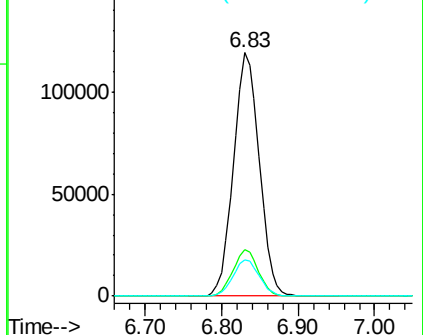
88 14.7 0.0 29.2

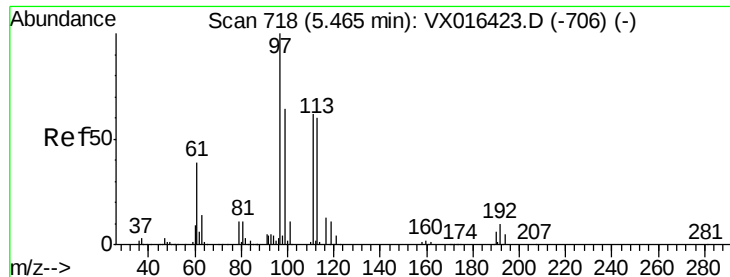


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





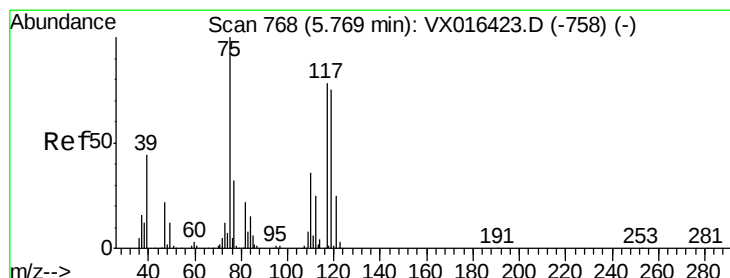
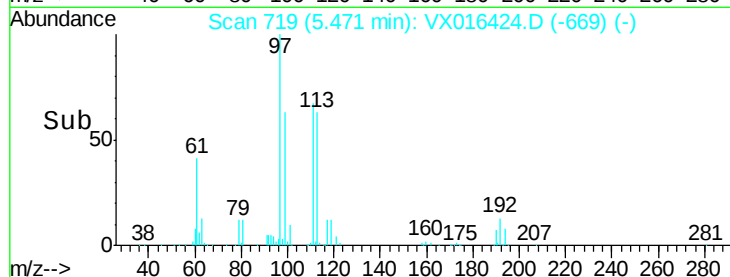
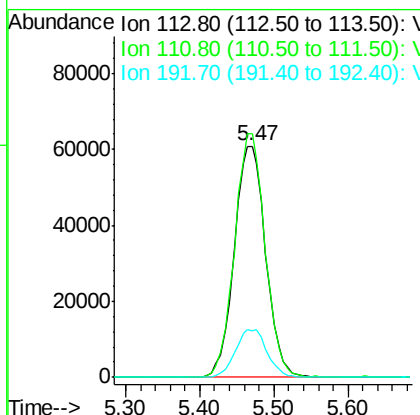
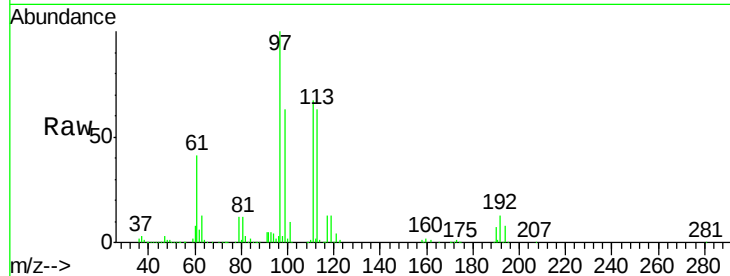
#35
 Dibromofluoromethane
 Concen: 100.462 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX016424.D
 Acq: 26 May 2020 14:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	179625		
111	102.2	82.5	123.7	
192	20.8	16.5	24.7	

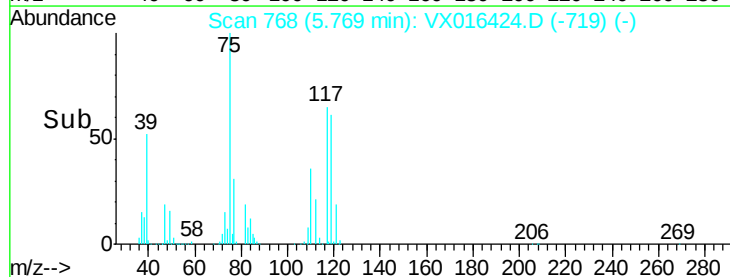
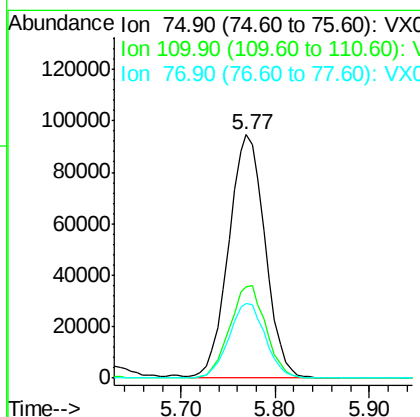
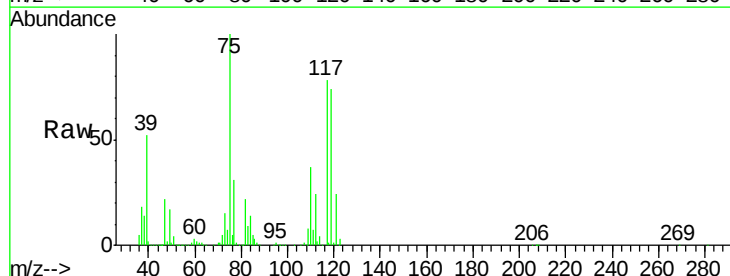
Manual Integrations
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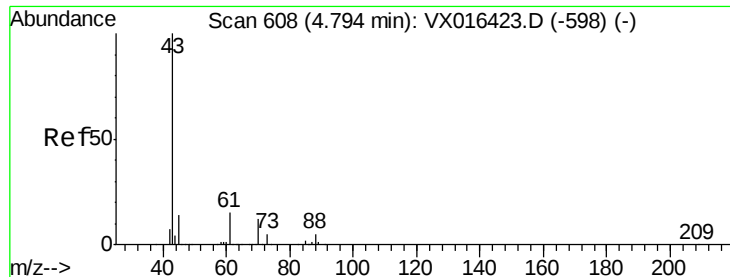
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 92.842 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX016424.D
 Acq: 26 May 2020 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	253252		
110	37.9	18.7	56.1	
77	31.0	24.9	37.3	





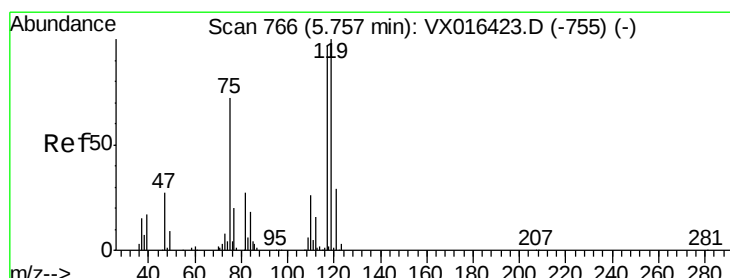
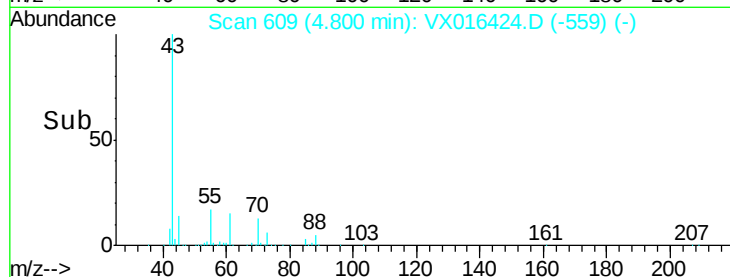
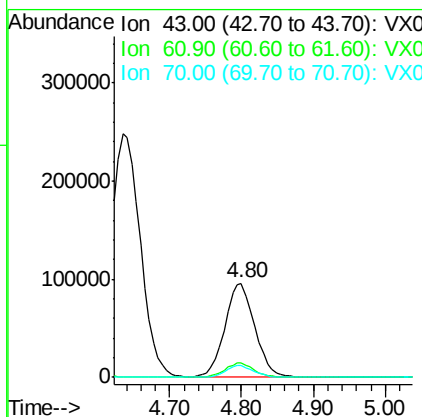
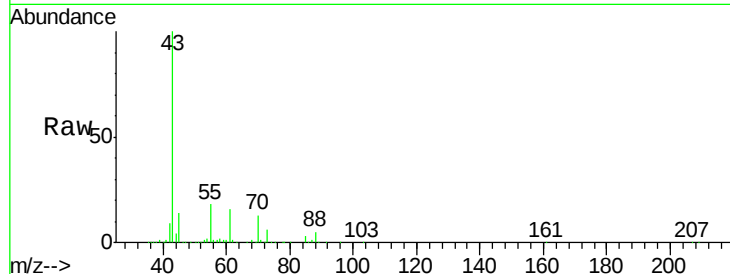
#37
Ethyl Acetate
Concen: 88.717 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:	43	Resp:	276014
Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.8	17.8
70	12.0	9.6	14.4

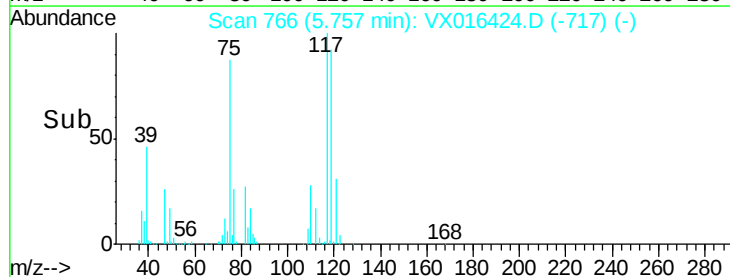
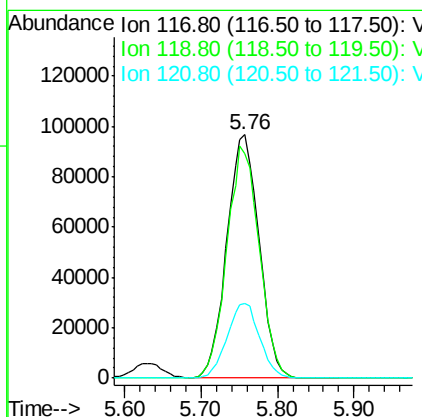
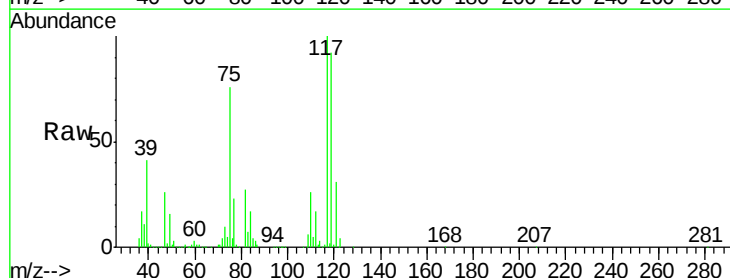
Manual Integrations
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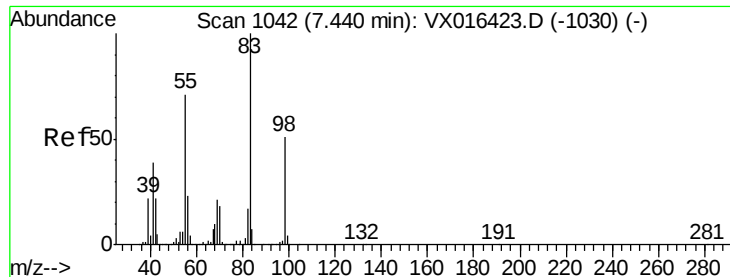
MMDadoda
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#38
Carbon Tetrachloride
Concen: 101.266 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Tgt Ion:	117	Resp:	281985
Ion	Ratio	Lower	Upper
117	100		
119	92.2	82.2	123.4
121	30.9	24.1	36.1





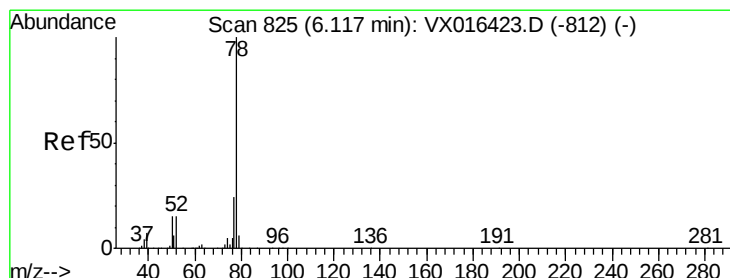
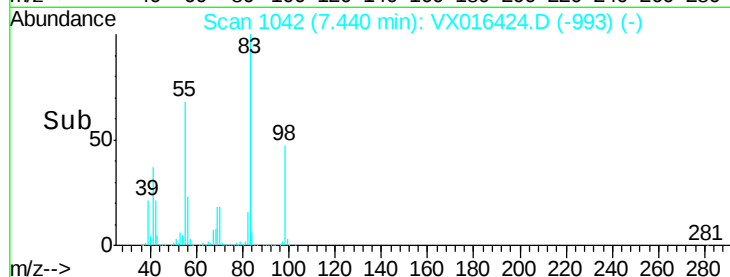
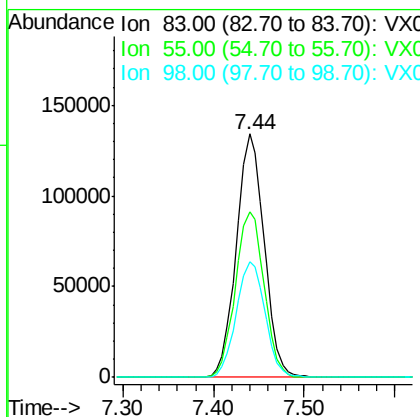
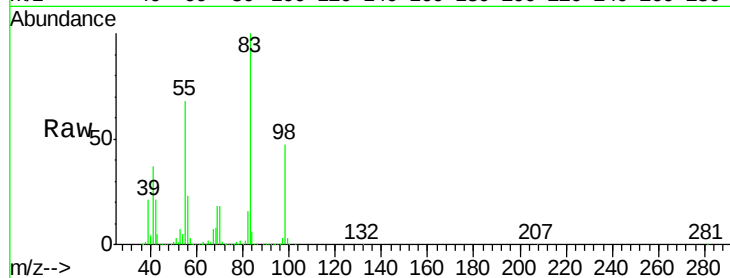
#39
Methvlcvclohexane
Concen: 88.504 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.7	56.8	85.2
98	47.3	40.6	61.0

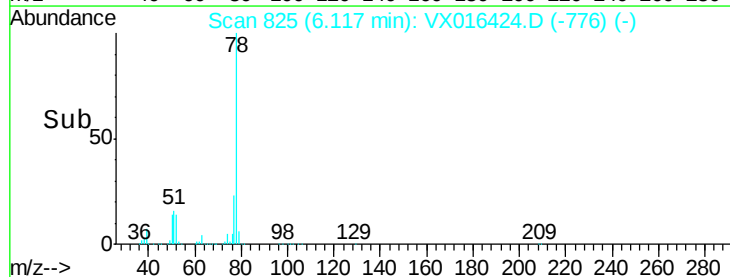
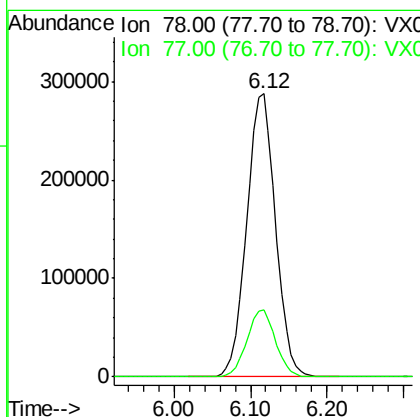
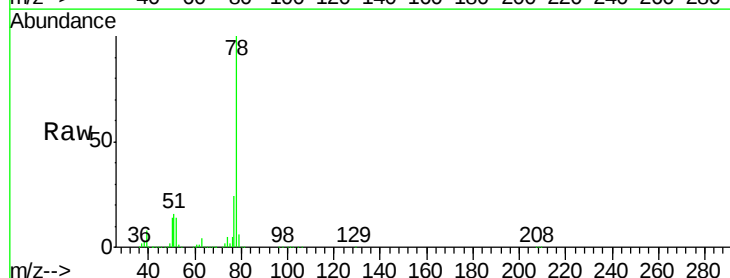
Manual Integrations
APPROVED

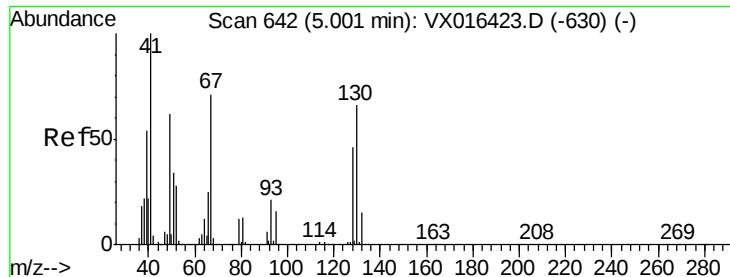
MMDadoda
5/27/2020 12:27:34 PM



#40
Benzene
Concen: 94.281 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.9	28.3





#41

Methacrylonitrile

Concen: 89.915 ug/l

RT: 5.01 min Scan# 643

Delta R.T. 0.01 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 41 Resp: 150987
Ion Ratio Lower Upper

41 100

39 54.8 44.4 66.6

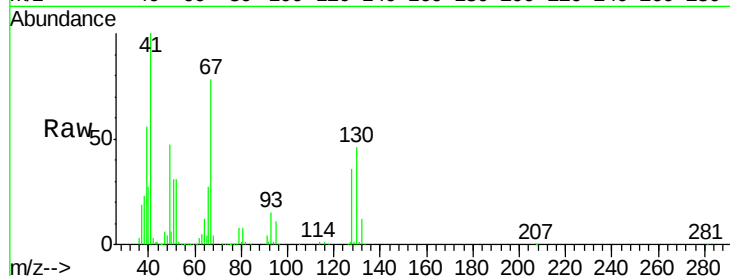
67 78.2 62.2 93.4

52 31.0 25.2 37.8

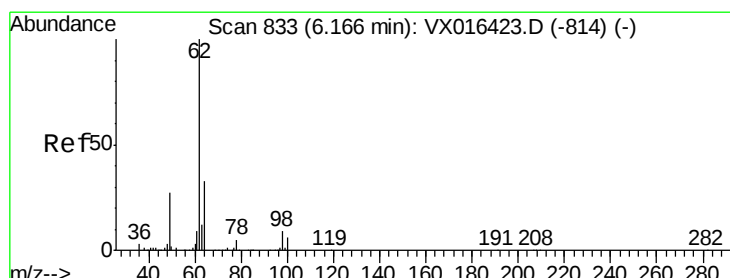
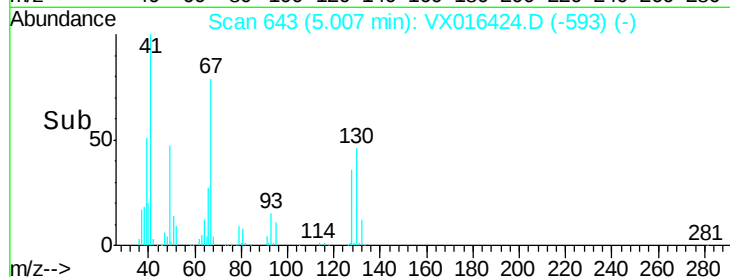
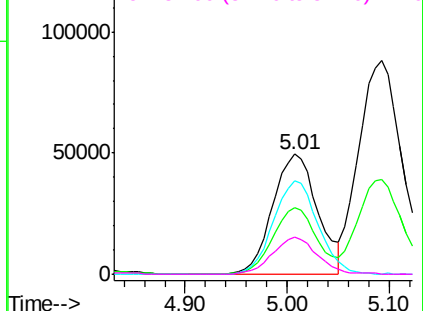
Manual Integrations
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5/27/2020 12:27:34 PM



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: 92.849 ug/l

RT: 6.17 min Scan# 833

Delta R.T. -0.00 min

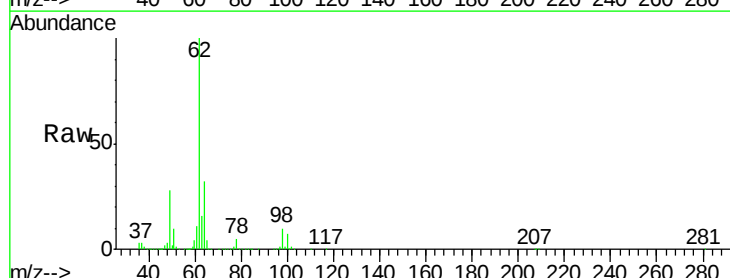
Lab File: VX016424.D

Acq: 26 May 2020 14:02

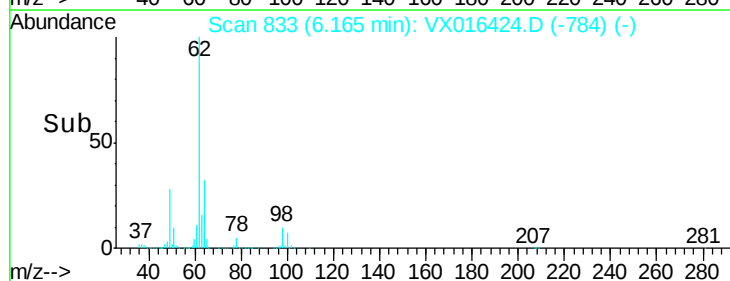
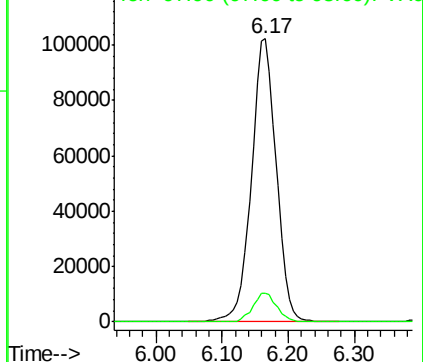
Tgt Ion: 62 Resp: 266984
Ion Ratio Lower Upper

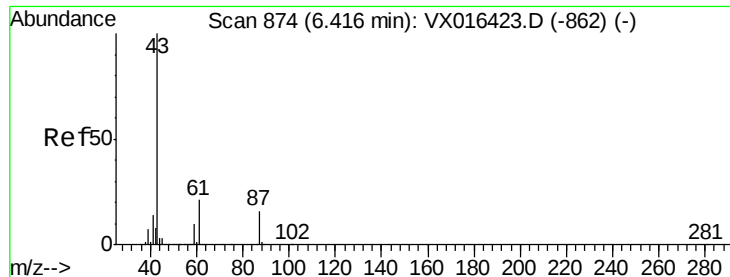
62 100

98 9.9 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

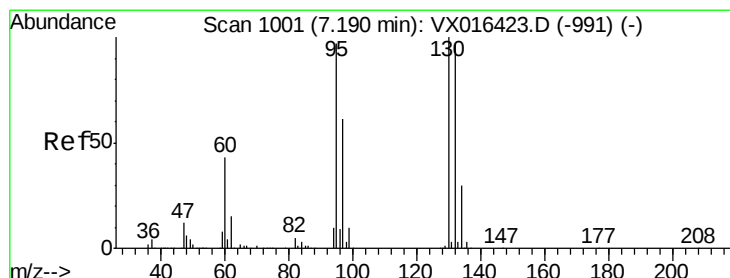
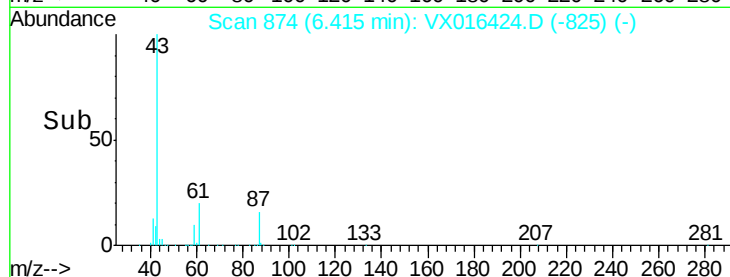
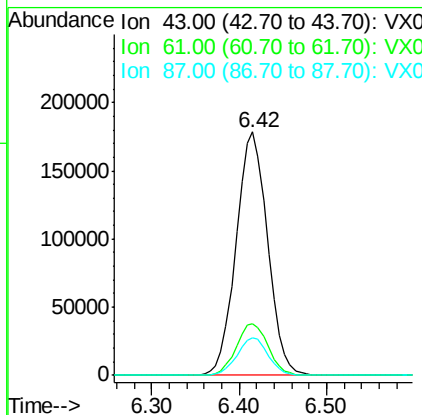
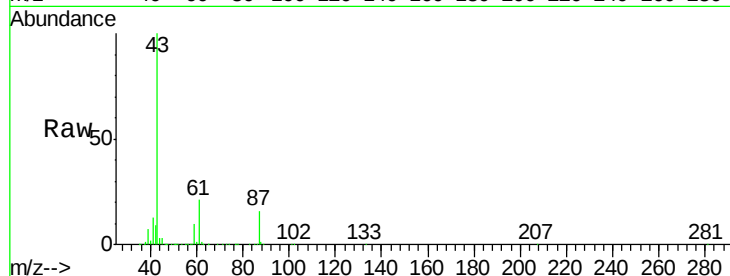
Isopropyl Acetate
 Concen: 88.991 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX016424.D
 Acq: 26 May 2020 14:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.6	17.2	25.8
87	15.4	12.3	18.5

Manual Integrations
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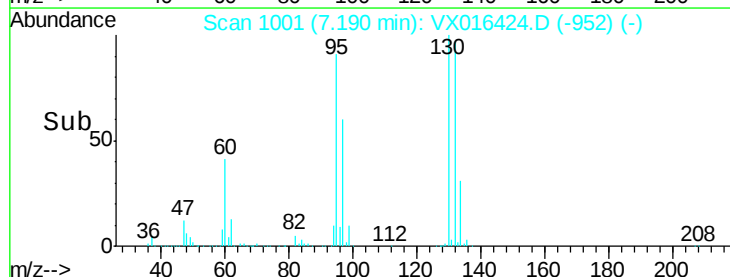
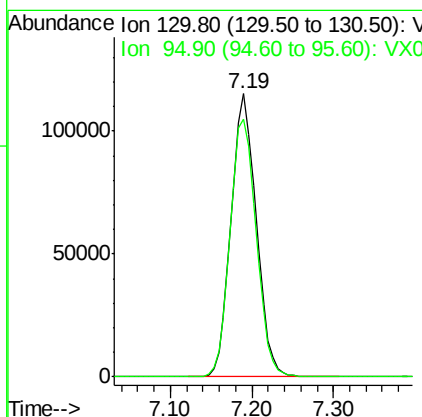
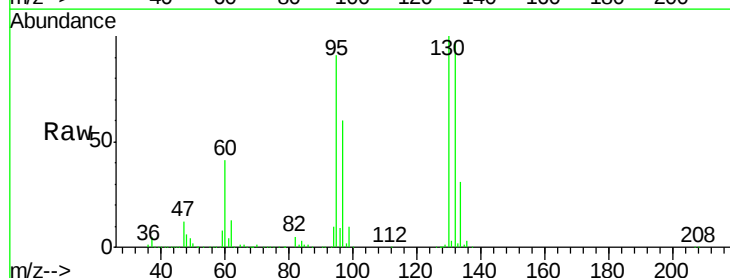
MMDadoda
 5/27/2020 12:27:34 PM

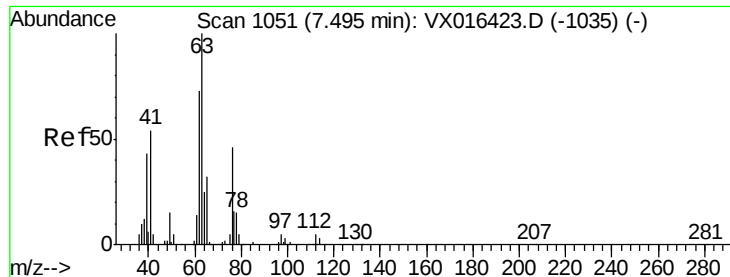


#44

Trichloroethene
 Concen: 86.871 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX016424.D
 Acq: 26 May 2020 14:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	194.0





#45

1,2-Dichloropropane

Concen: 93.179 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 63 Resp: 187092

Ion Ratio Lower Upper

63 100

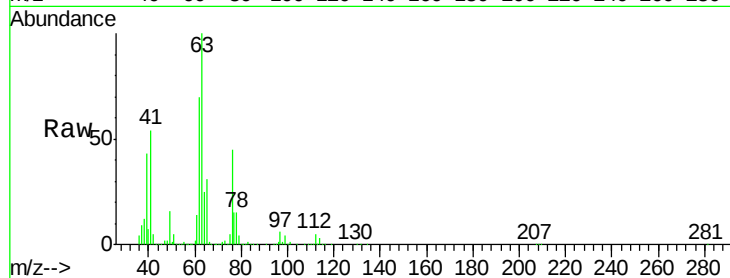
65 30.5 25.3 37.9

Manual Integrations

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5/27/2020 12:27:34 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.49

100000

80000

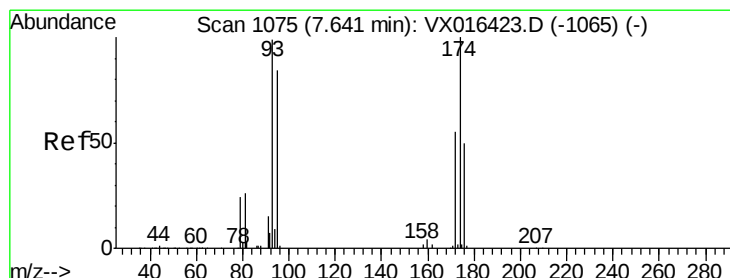
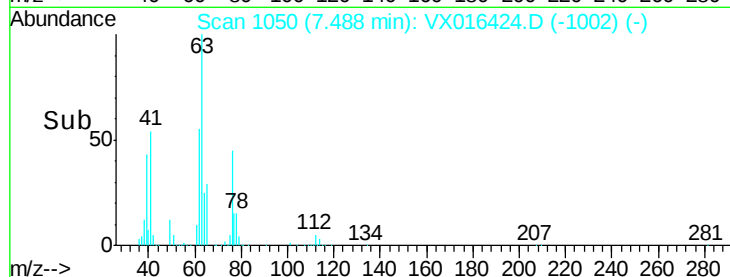
60000

40000

20000

0

Time--> 7.30 7.40 7.50 7.60



#46

Dibromomethane

Concen: 100.102 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

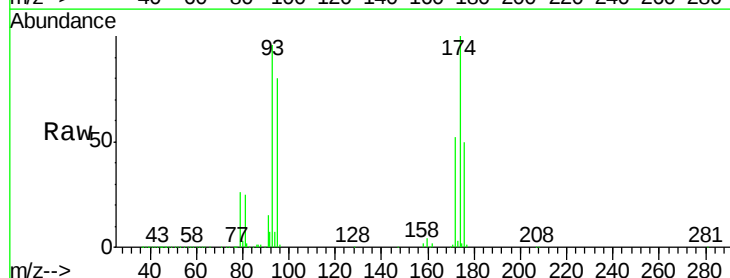
Tgt Ion: 93 Resp: 138944

Ion Ratio Lower Upper

93 100

95 82.2 65.0 97.4

174 104.3 81.4 122.0



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

7.64

100000

80000

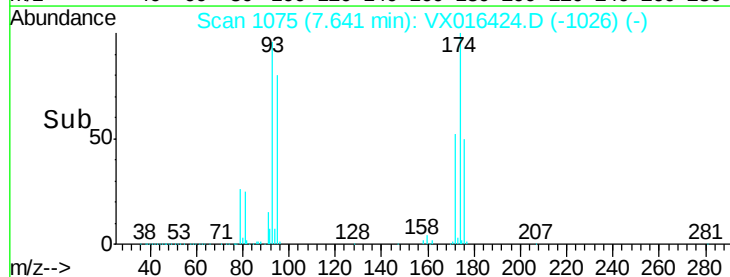
60000

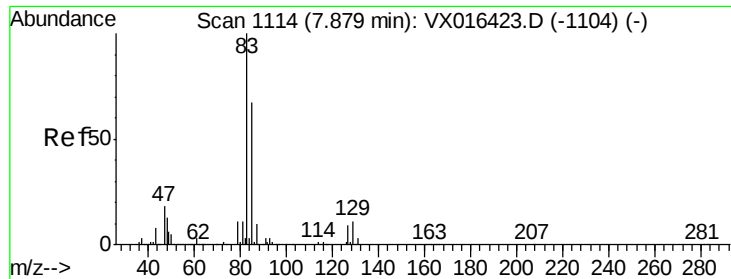
40000

20000

0

Time--> 7.50 7.60 7.70





#47

Bromodichloromethane

Concen: 99.340 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

Instrument :

MSVOA_X

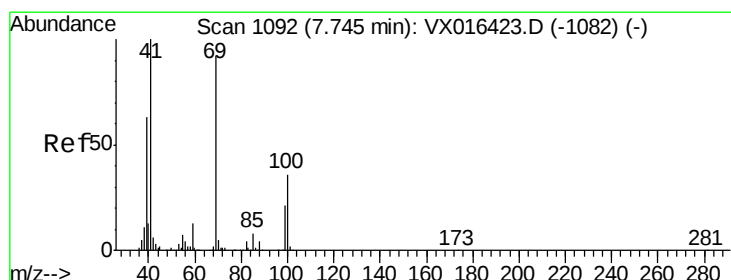
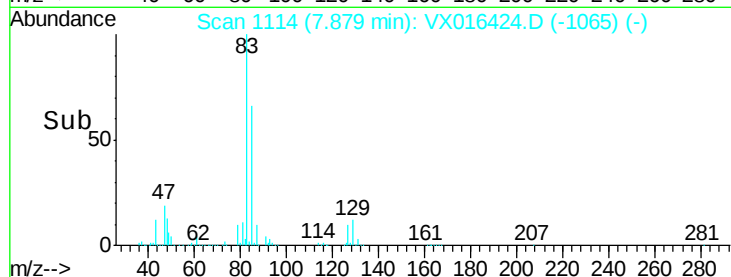
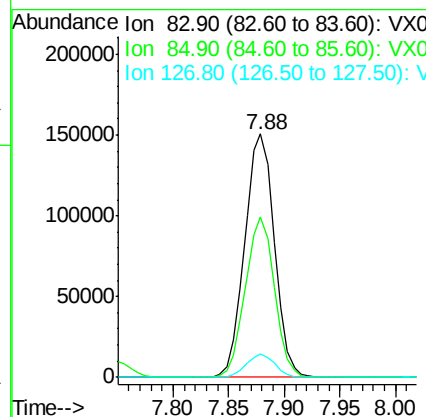
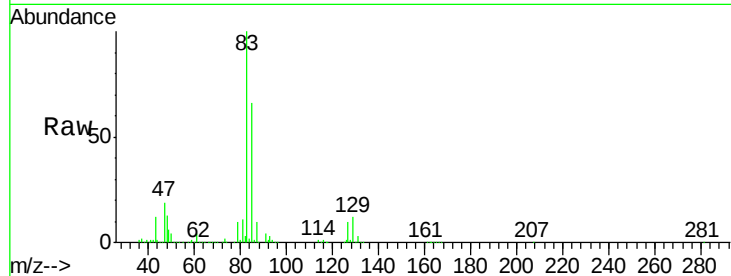
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	278475
Ion	Ratio	Lower	Upper
83	100		
85	65.7	53.8	80.8
127	9.6	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 89.102 ug/l

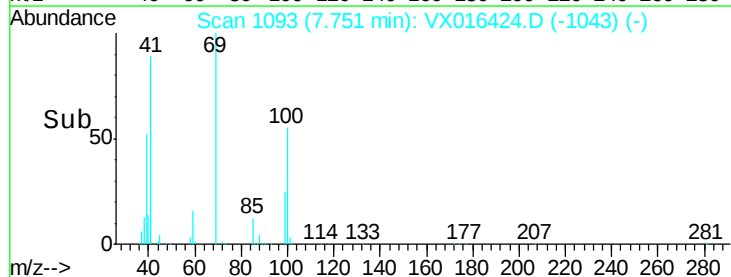
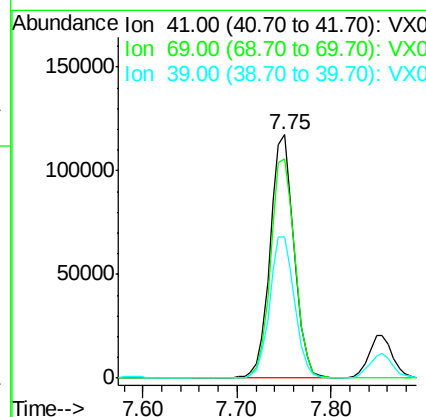
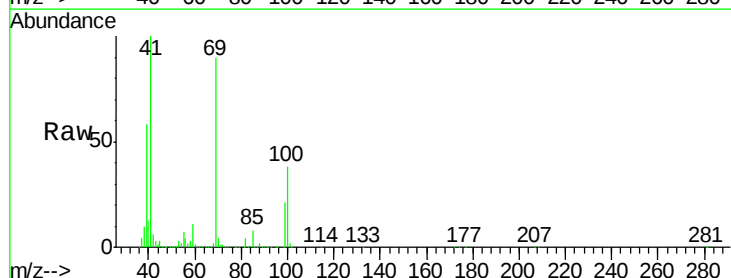
RT: 7.75 min Scan# 1093

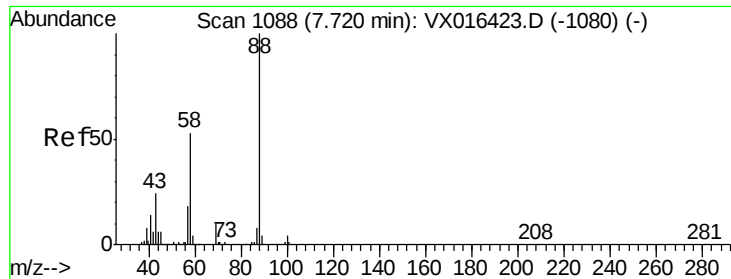
Delta R.T. 0.01 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

Tgt Ion:	41	Resp:	209039
Ion	Ratio	Lower	Upper
41	100		
69	91.7	71.8	107.8
39	60.0	48.6	73.0





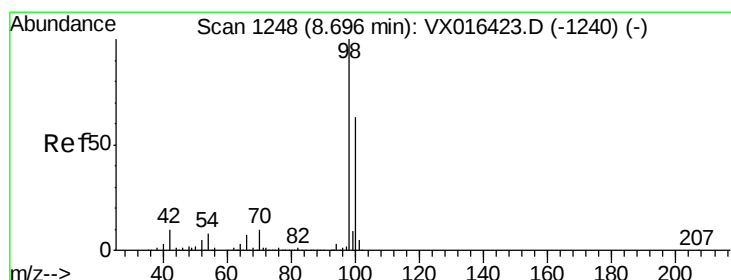
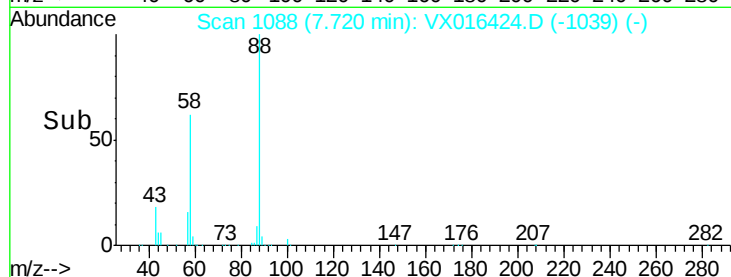
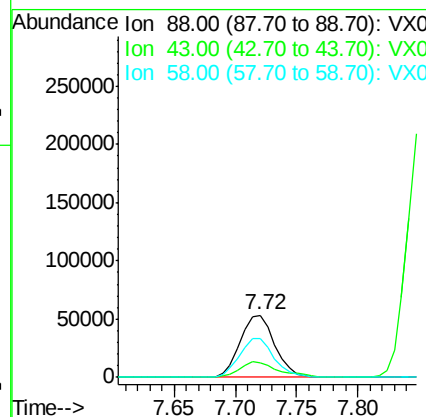
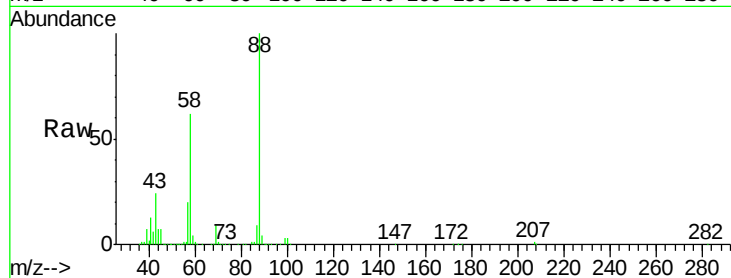
#49
1,4-Dioxane
Concen: 1831.358 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.8	23.0	34.6
58	63.8	51.7	77.5

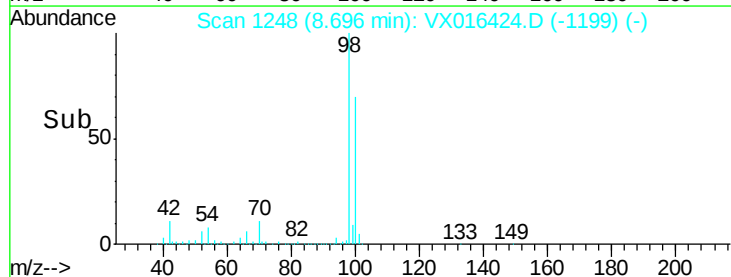
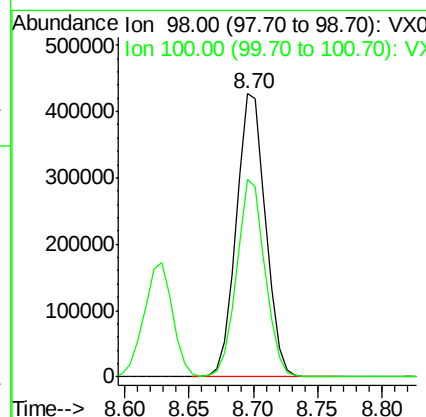
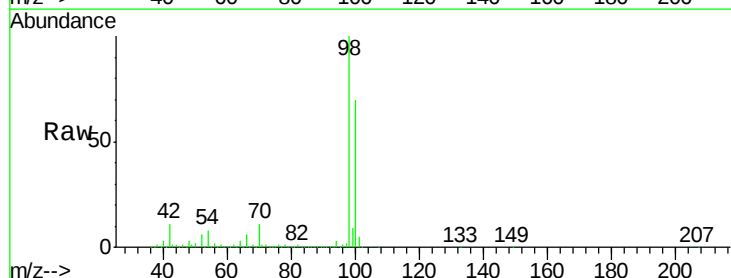
Manual Integrations
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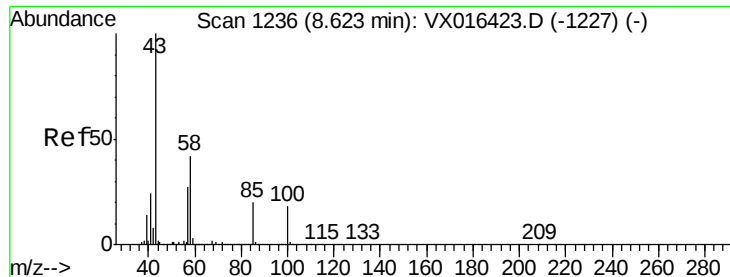
MMDadoda
5/27/2020 12:27:34 PM



#50
Toluene-d8
Concen: 98.391 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 467.791 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1426957

Ion Ratio Lower Upper

43 100

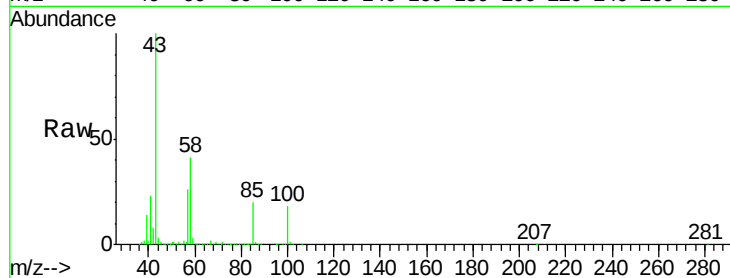
58 42.0 33.8 50.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

1000000

800000

600000

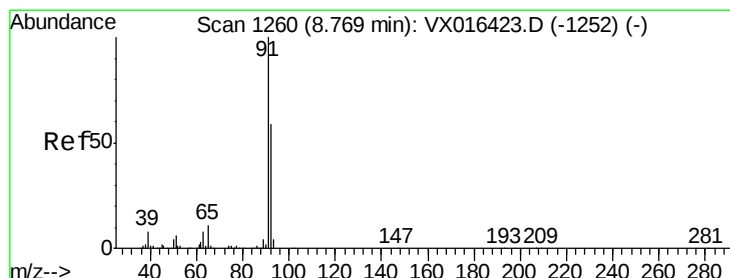
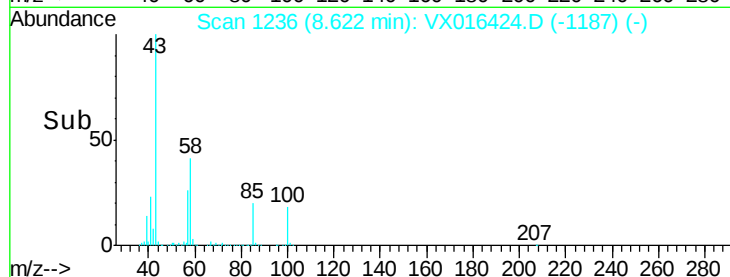
400000

200000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 98.300 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016424.D

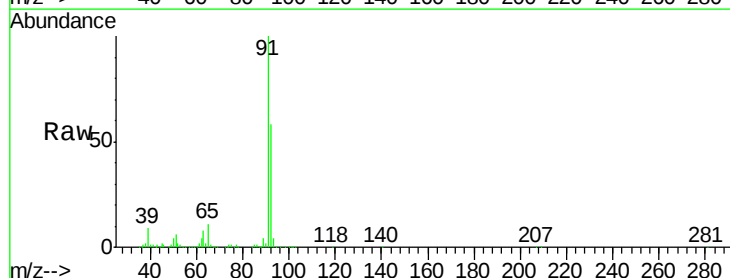
Acq: 26 May 2020 14:02

Tgt Ion: 92 Resp: 491873

Ion Ratio Lower Upper

92 100

91 169.4 135.7 203.5



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.77

600000

500000

400000

300000

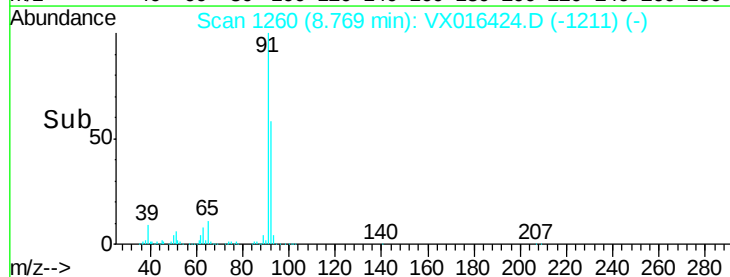
200000

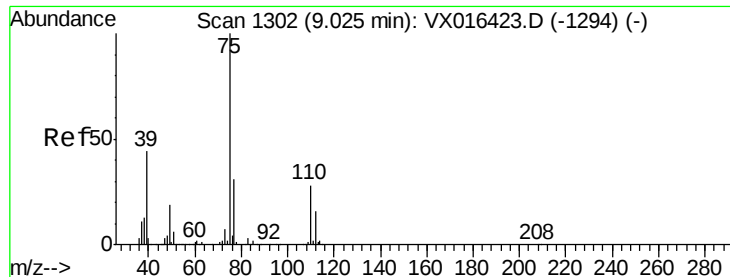
100000

0

8.70 8.75 8.80 8.85 8.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 95.145 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 75 Resp: 317008

Ion Ratio Lower Upper

75 100

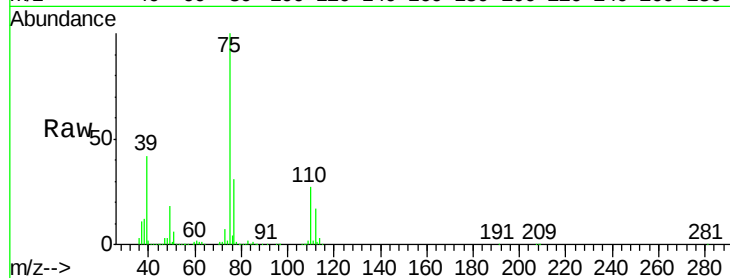
77 31.4 25.0 37.4

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.02

250000

200000

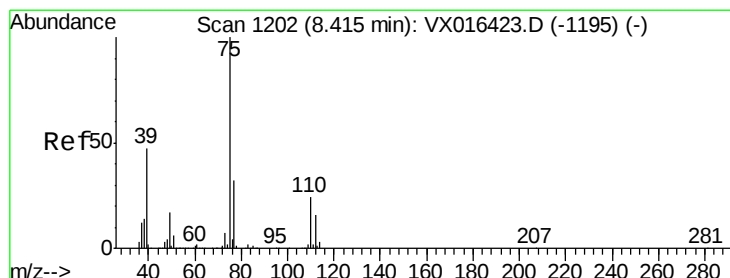
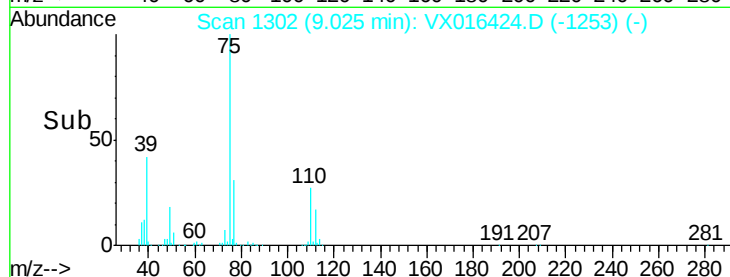
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 94.647 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

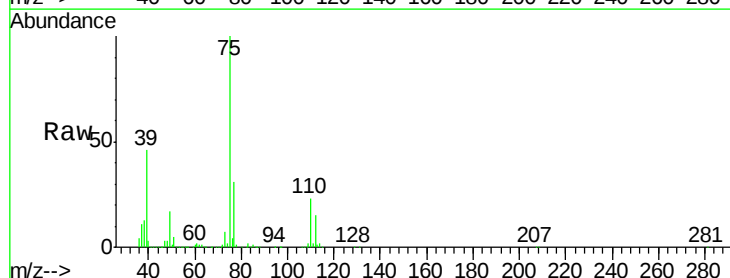
Tgt Ion: 75 Resp: 327998

Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0

39 46.3 37.7 56.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.42

250000

200000

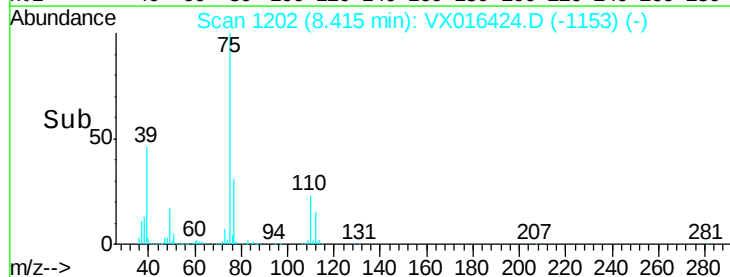
150000

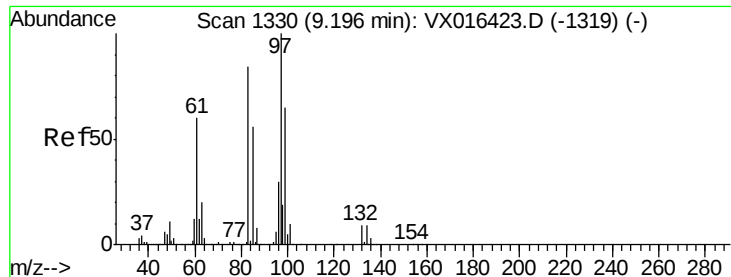
100000

50000

0

Time-->





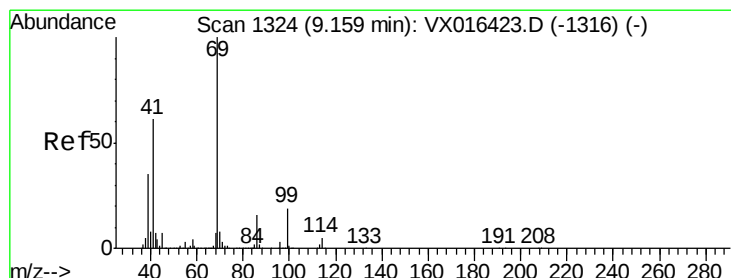
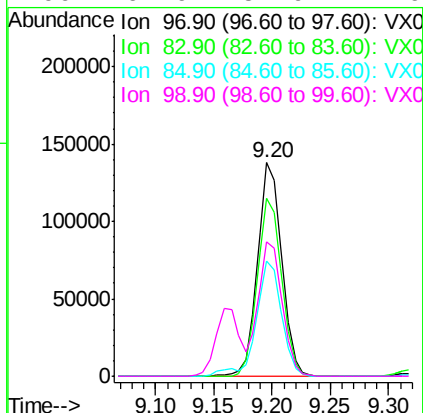
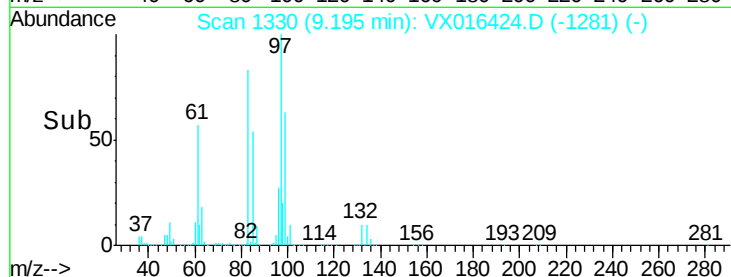
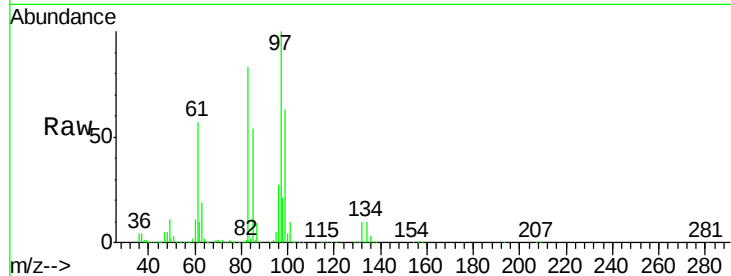
#55
1,1,2-Trichloroethane
Concen: 101.253 ug/l
RT: 9.20 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		200194		
83	83.4	66.9	100.3		
85	53.8	45.2	67.8		
99	62.9	51.9	77.9		

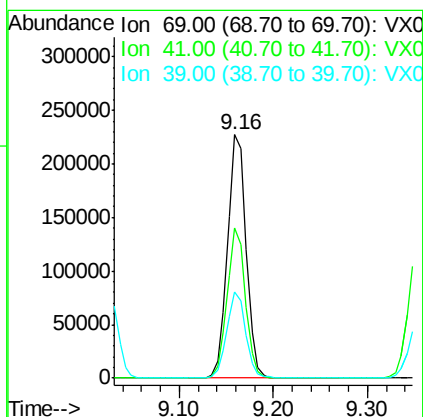
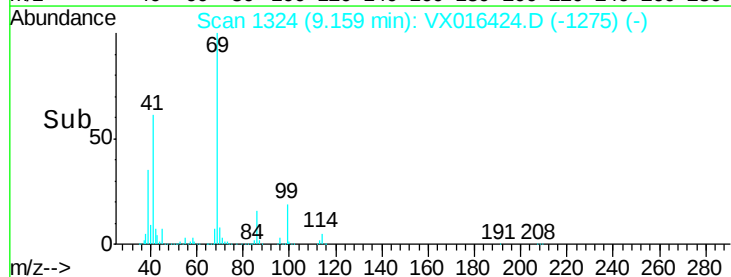
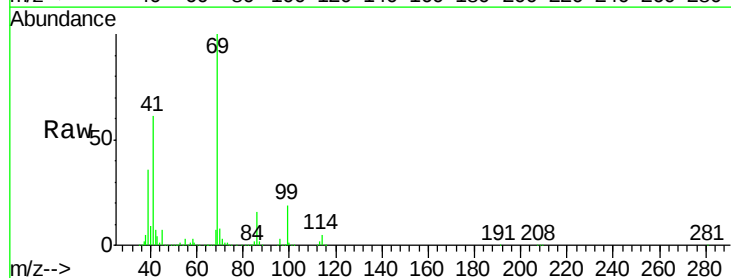
Manual Integrations
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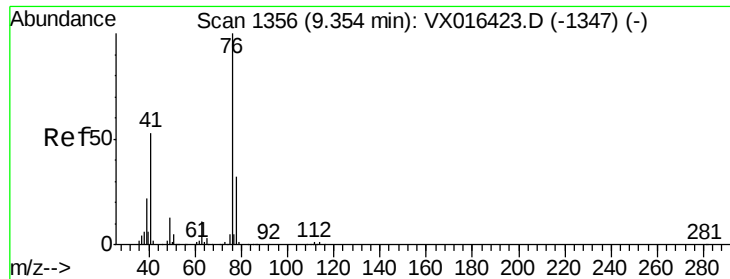
MMDadoda
5/27/2020 12:27:34 PM



#56
Ethyl methacrylate
Concen: 98.268 ug/l
RT: 9.16 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		312228		
41	60.3	47.9	71.9		
39	35.9	28.7	43.1		





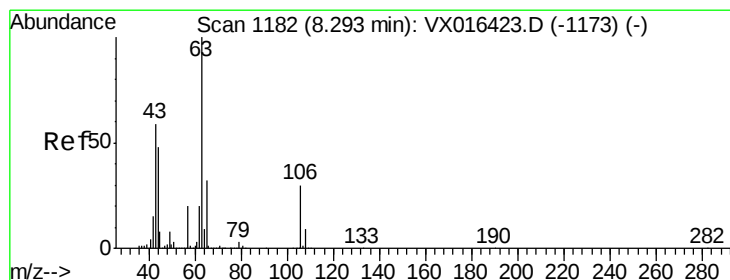
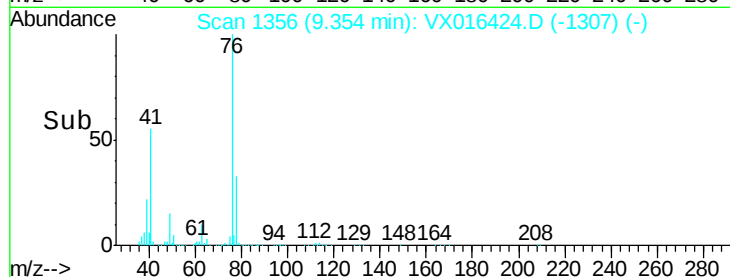
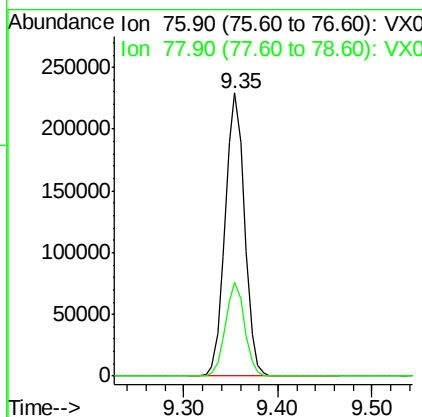
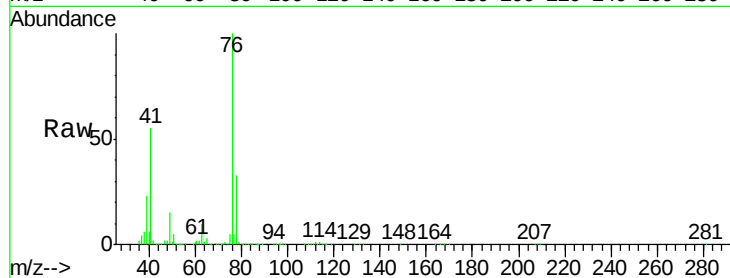
#57
 1,3-Dichloropropane
 Concen: 95.721 ug/l
 RT: 9.35 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VX016424.D
 Acq: 26 May 2020 14:02

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.1	39.1

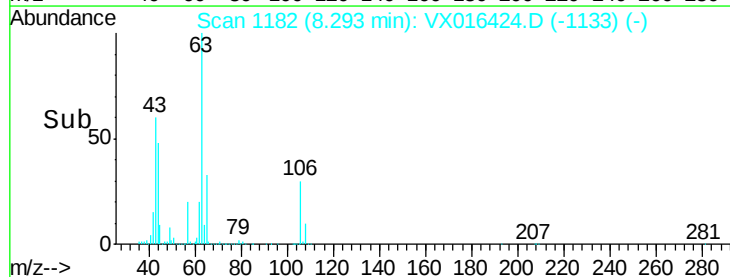
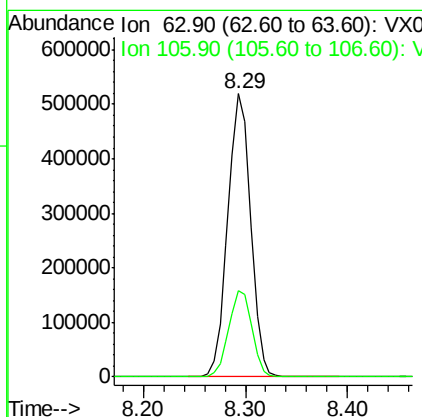
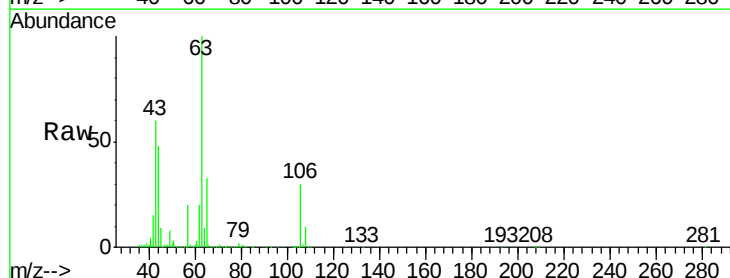
Manual Integrations
 APPROVED

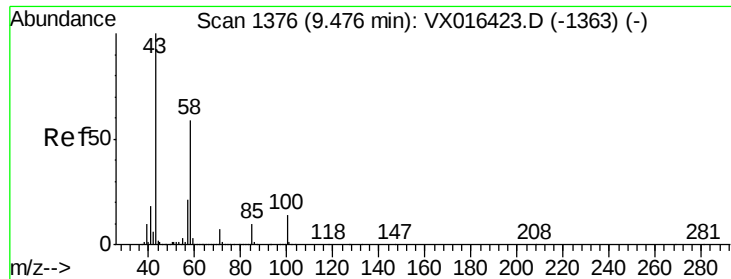
MMDadoda
 5/27/2020 12:27:34 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 476.296 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VX016424.D
 Acq: 26 May 2020 14:02

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.8	24.6	36.8





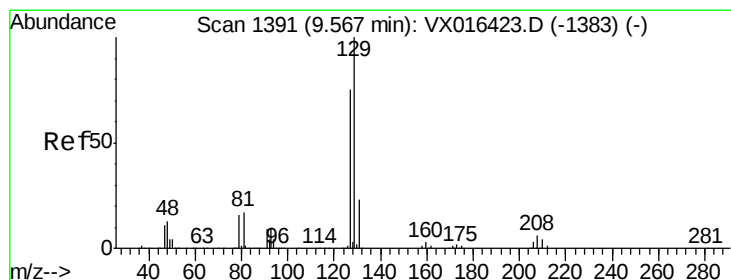
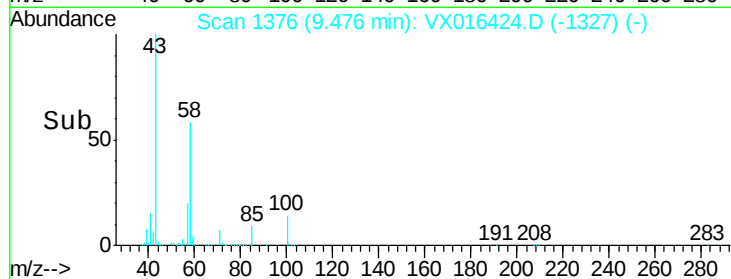
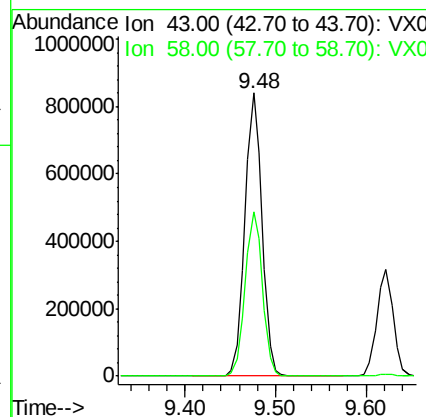
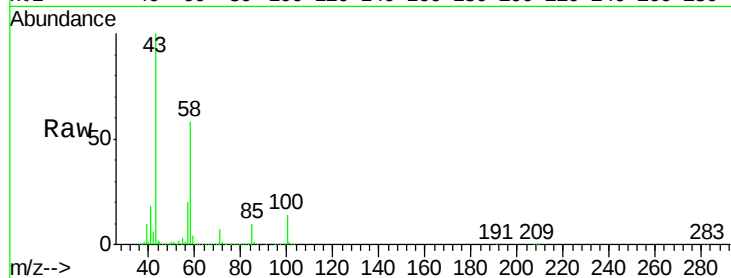
#59
2-Hexanone
Concen: 459.128 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 1100836
Ion Ratio Lower Upper
43 100
58 58.6 29.1 87.3

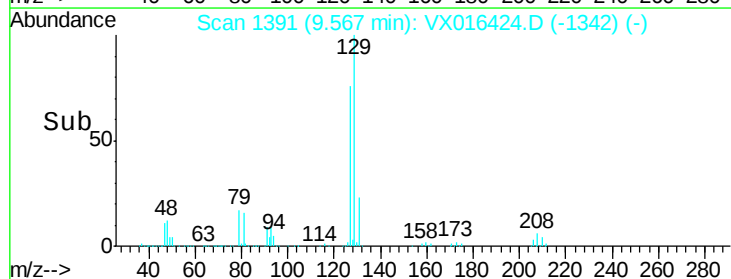
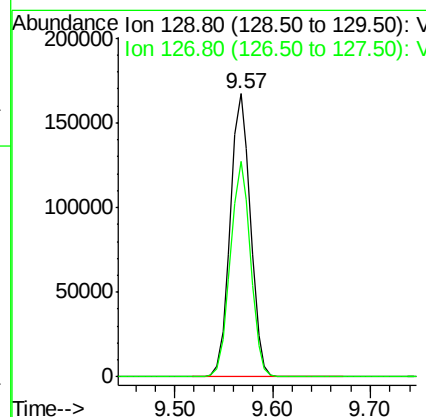
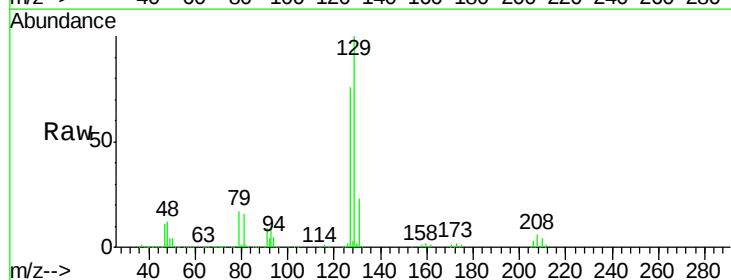
Manual Integrations
APPROVED

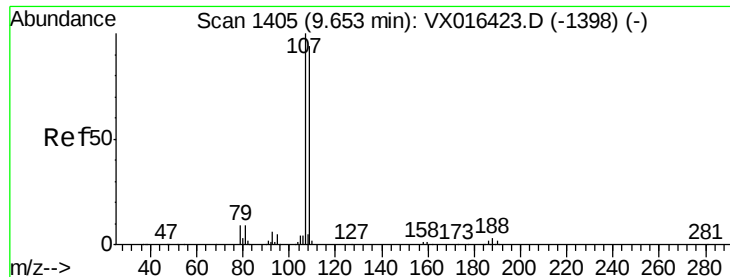
MMDadoda
5/27/2020 12:27:34 PM



#60
Dibromochloromethane
Concen: 109.863 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Tgt Ion: 129 Resp: 240607
Ion Ratio Lower Upper
129 100
127 76.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 102.870 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 220936

Ion Ratio Lower Upper

107 100

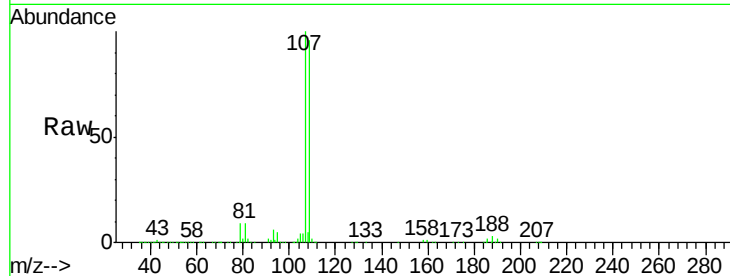
109 95.4 75.0 112.6

Manual Integrations

APPROVED

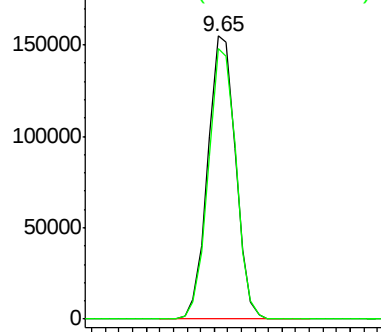
MMDadoda

5/27/2020 12:27:34 PM

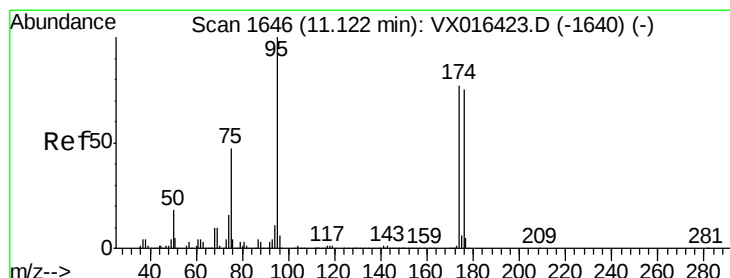
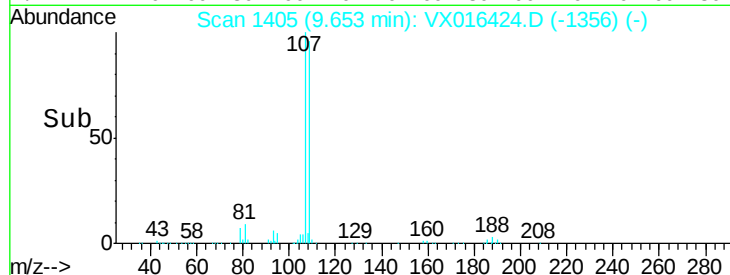


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 97.641 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

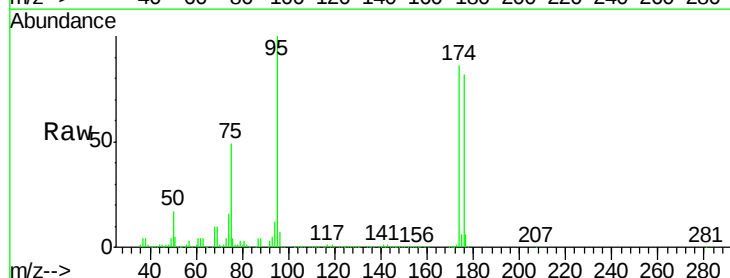
Tgt Ion: 95 Resp: 253799

Ion Ratio Lower Upper

95 100

174 85.1 0.0 162.6

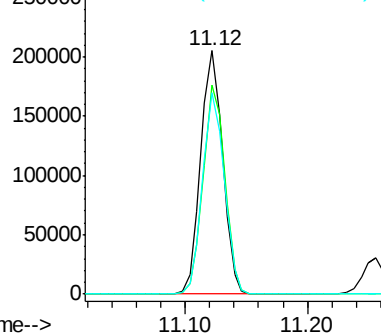
176 82.1 0.0 158.2



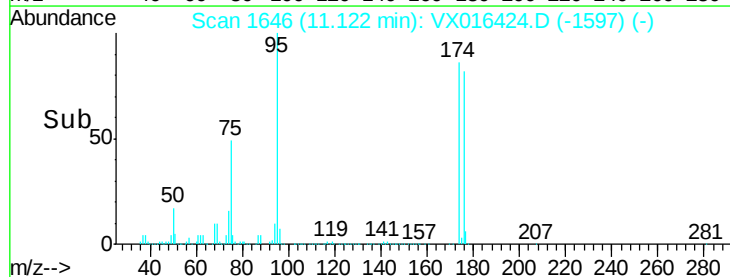
Abundance Ion 94.90 (94.60 to 95.60): VX0

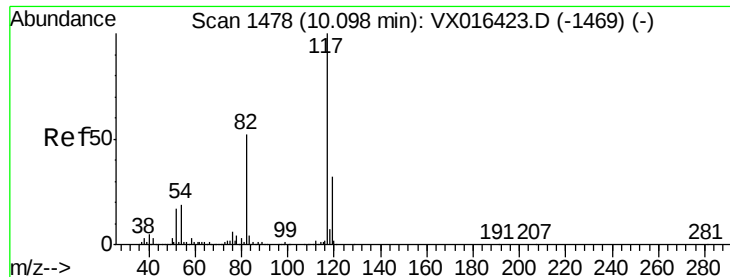
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





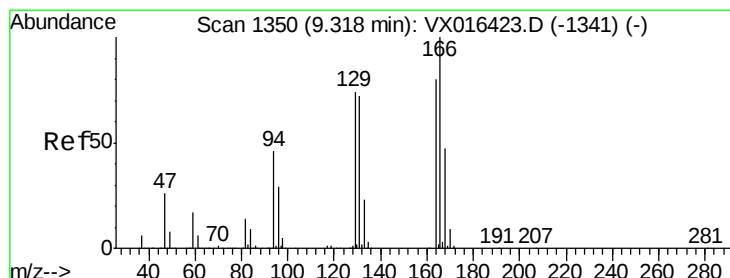
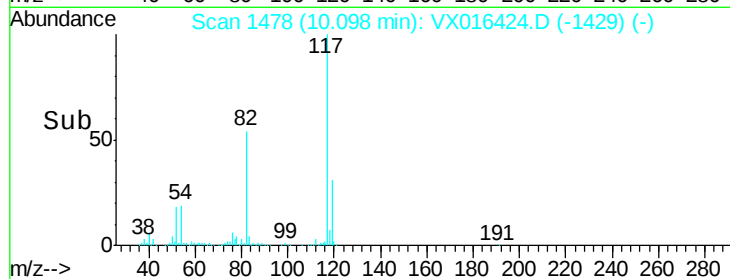
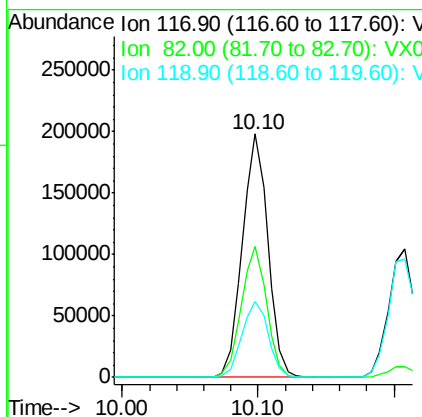
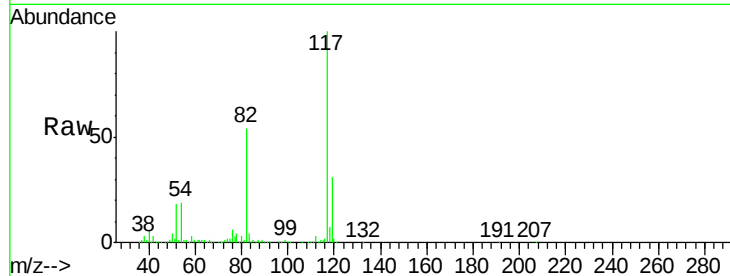
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	259069		
82	53.9		41.8	62.6
119	31.5		25.7	38.5

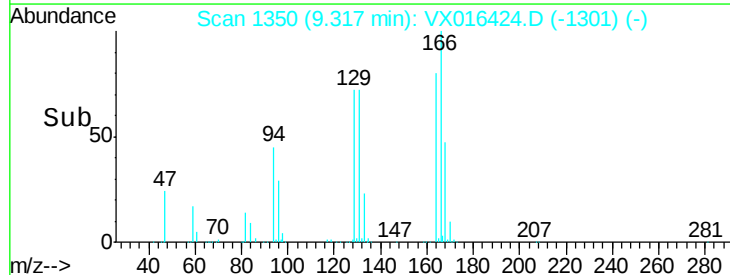
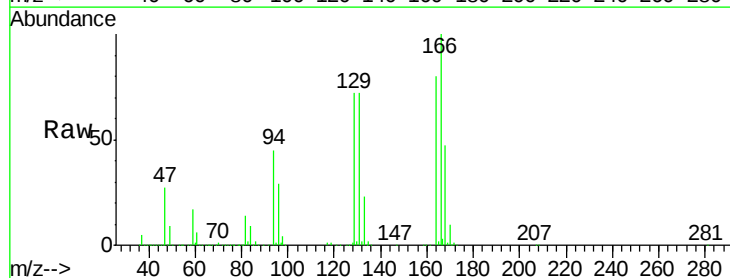
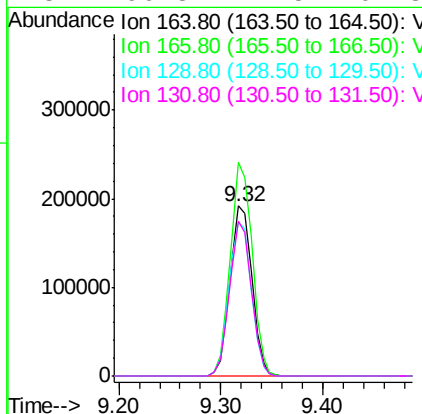
Manual Integrations
APPROVED

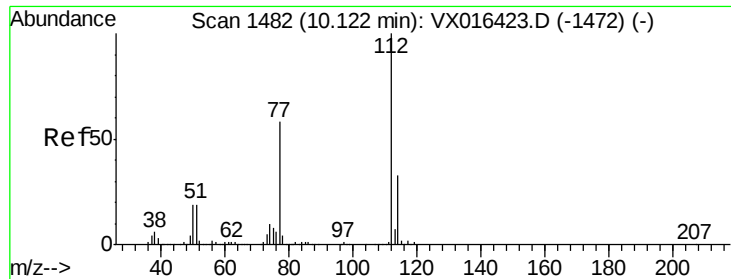
MMDadoda
5/27/2020 12:27:34 PM



#64
Tetrachloroethene
Concen: 90.748 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	284962		
166	125.5		99.5	149.3
129	90.6		73.4	110.0
131	90.8		71.5	107.3





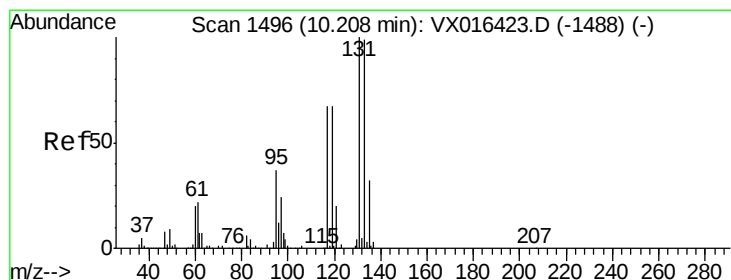
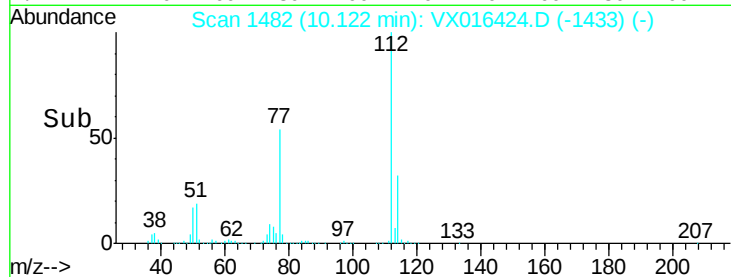
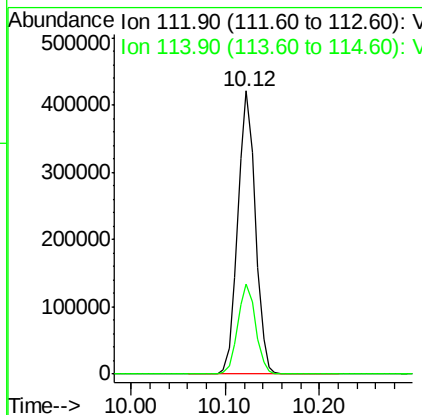
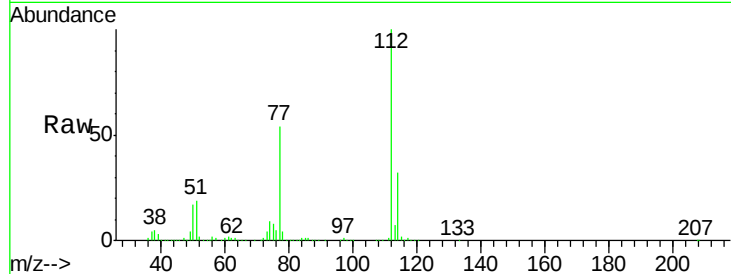
#65
Chlorobenzene
Concen: 100.591 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.6	40.0

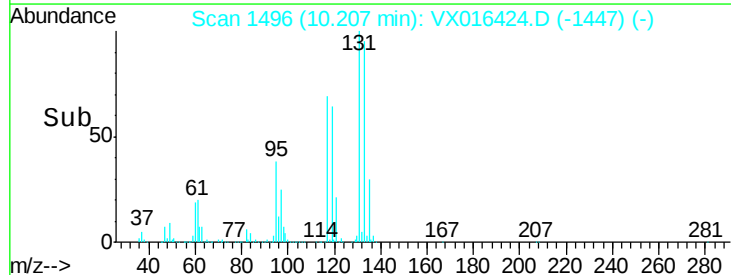
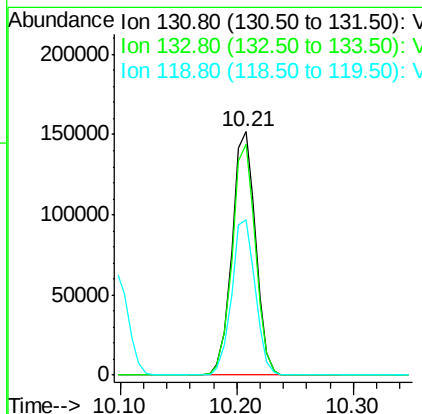
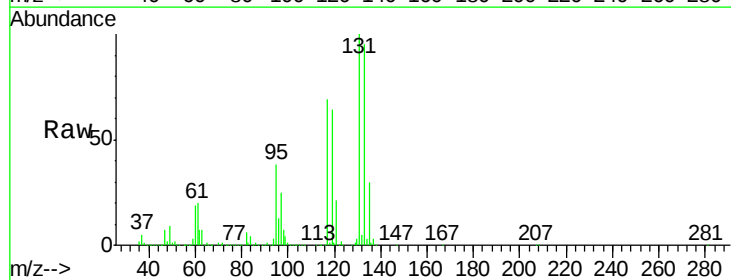
Manual Integrations
APPROVED

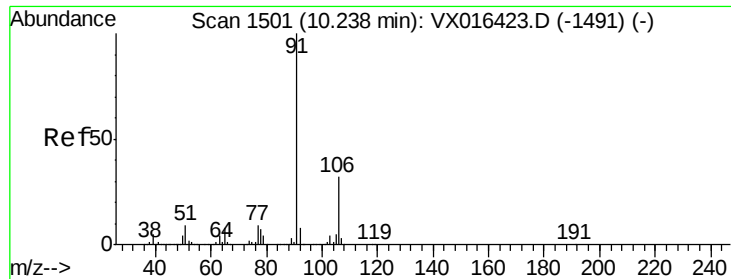
MMDadoda
5/27/2020 12:27:34 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 106.165 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. -0.00 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.4	48.0	144.2
119	64.1	33.0	98.9





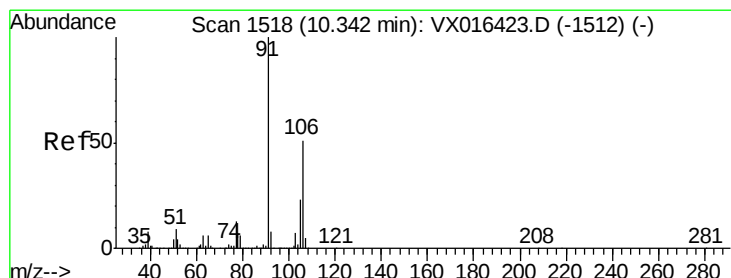
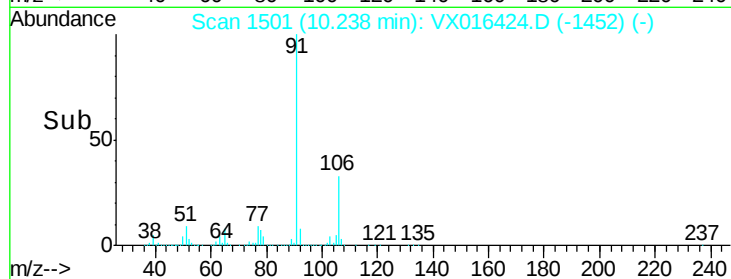
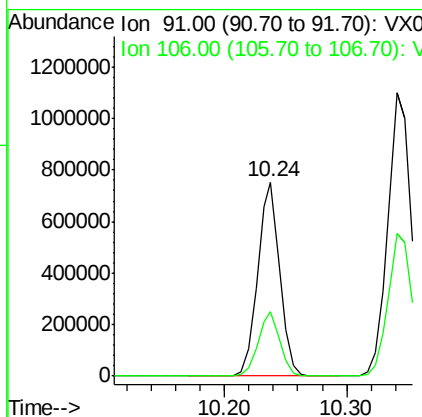
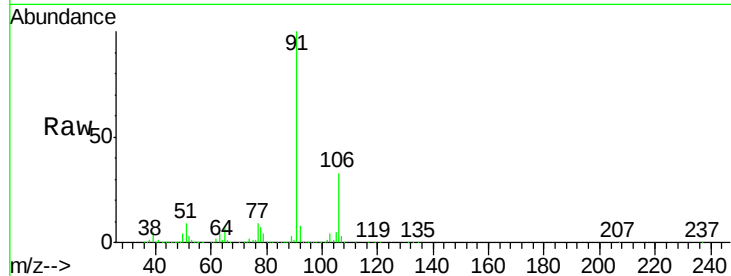
#67
Ethyl Benzene
Concen: 98.719 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 947046
Ion Ratio Lower Upper
91 100
106 32.9 25.8 38.8

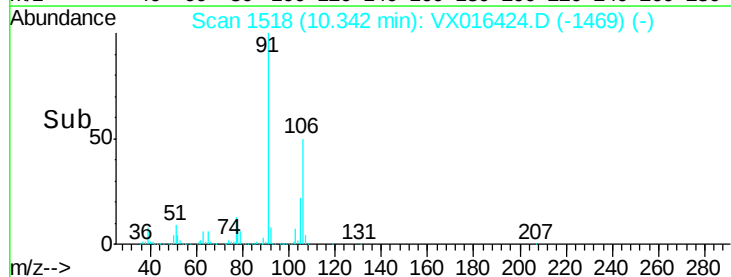
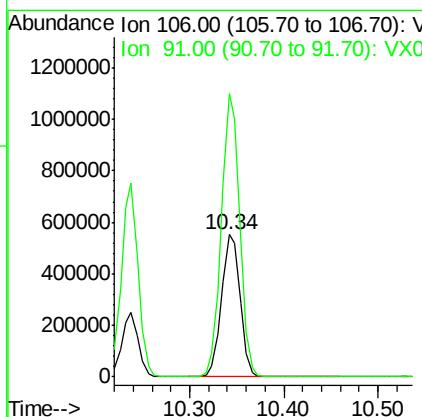
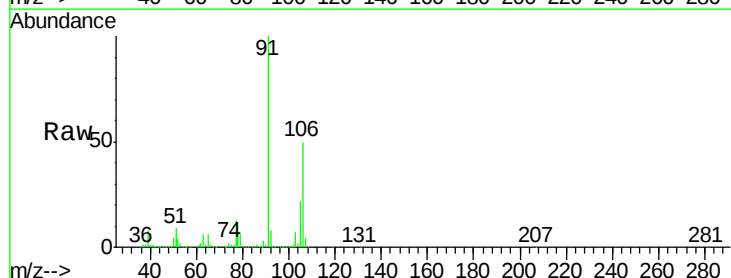
Manual Integrations
APPROVED

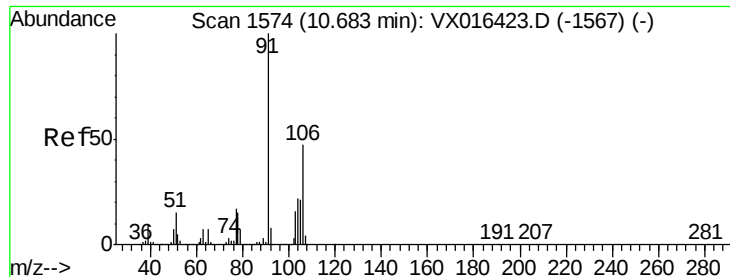
MMDadoda
5/27/2020 12:27:34 PM



#68
m/p-Xylenes
Concen: 208.647 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Tgt Ion: 106 Resp: 752098
Ion Ratio Lower Upper
106 100
91 196.0 158.2 237.4





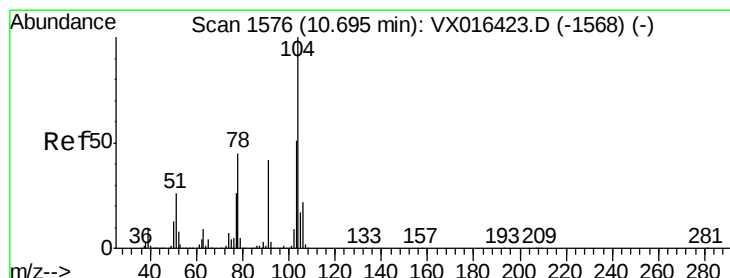
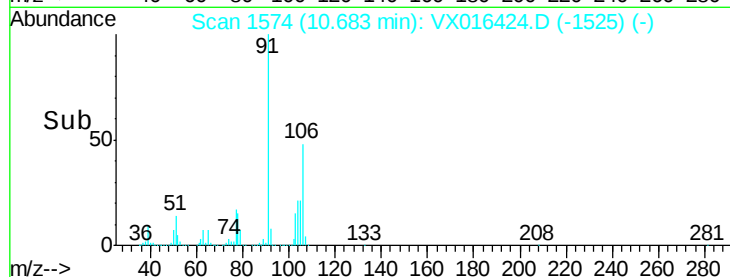
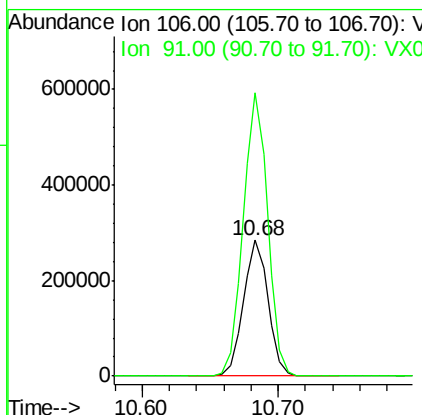
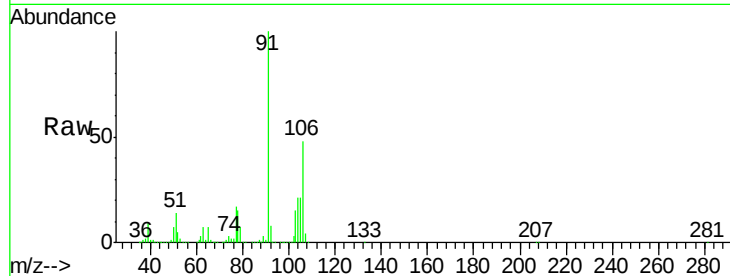
#69
o-Xylene
Concen: 103.055 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.2	104.0	312.0

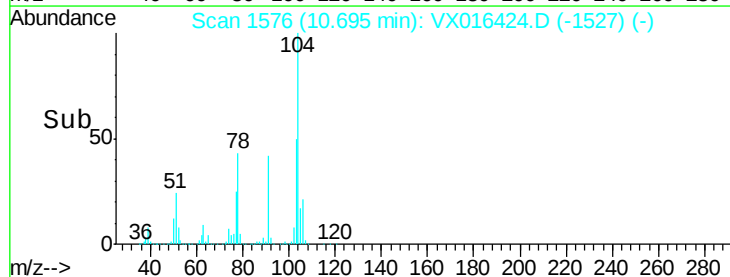
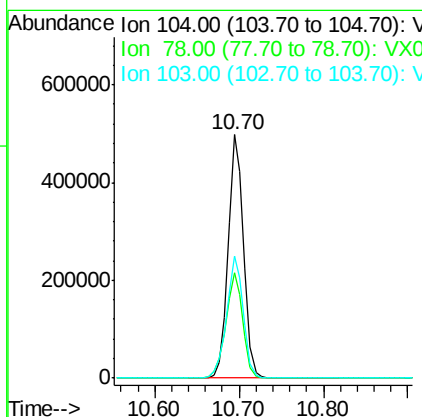
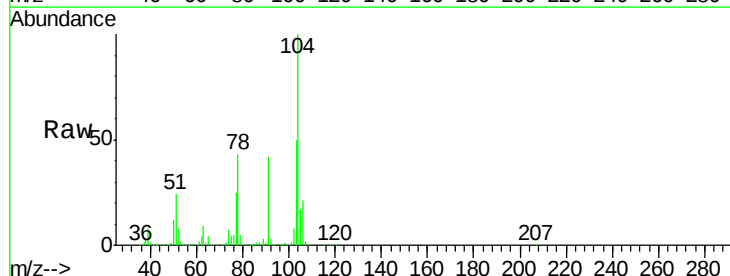
Manual Integrations
APPROVED

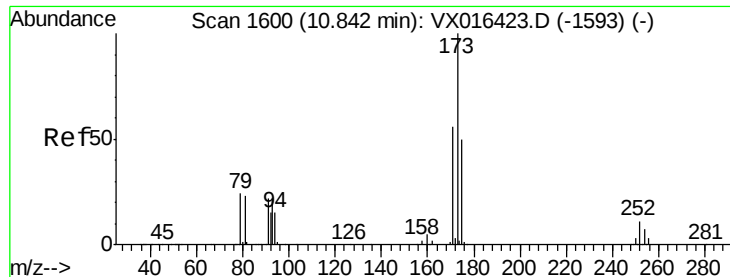
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#70
Styrene
Concen: 106.435 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.7	39.2	58.8
103	54.2	43.8	65.6





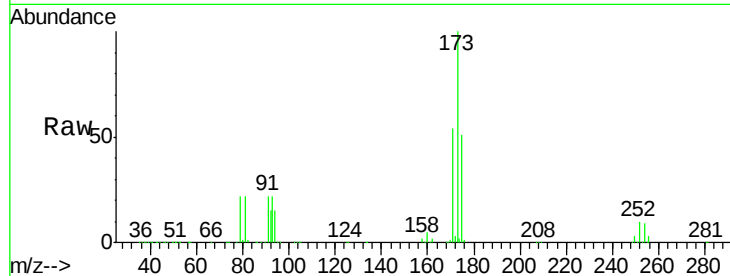
#71
Bromoform
Concen: 110.305 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

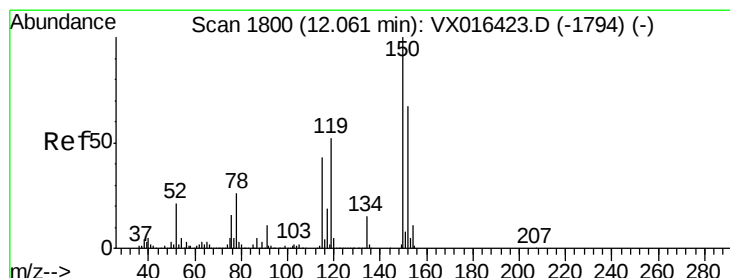
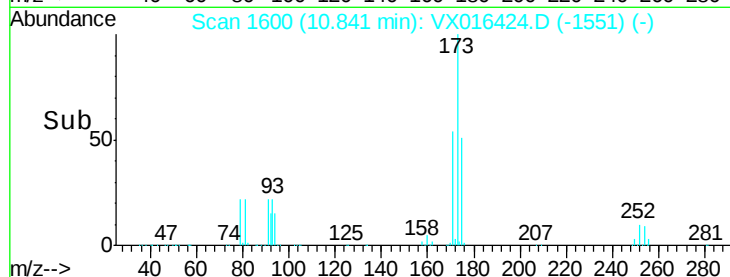
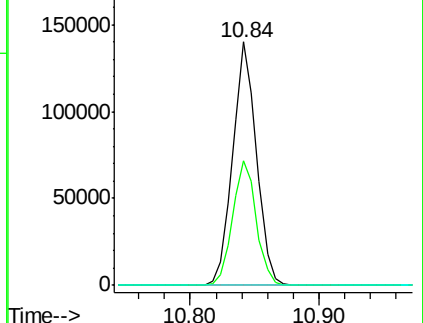
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.9	24.5	73.5
254	0.2	0.2	0.2

Manual Integrations
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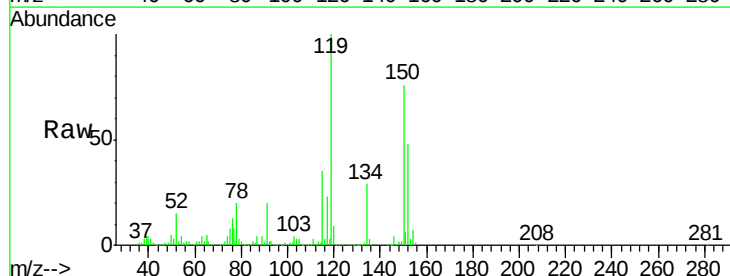


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

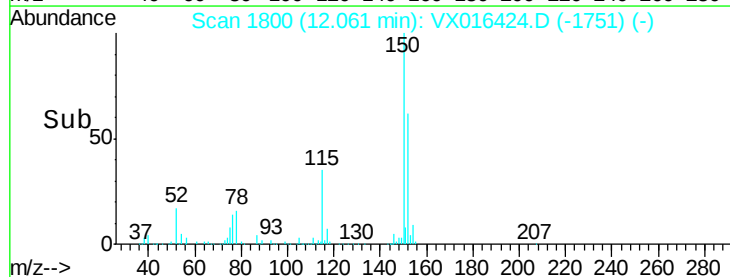
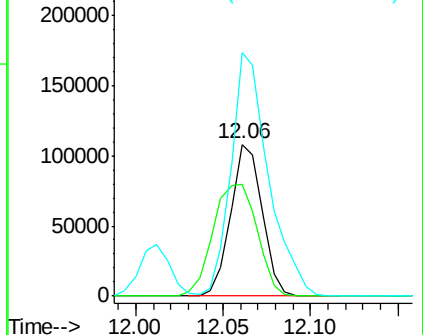


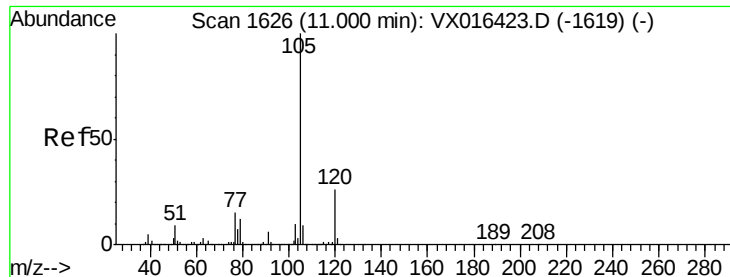
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	102.8	40.4	121.2
150	190.4	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: 95.646 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 105 Resp: 936711

Ion Ratio Lower Upper

105 100

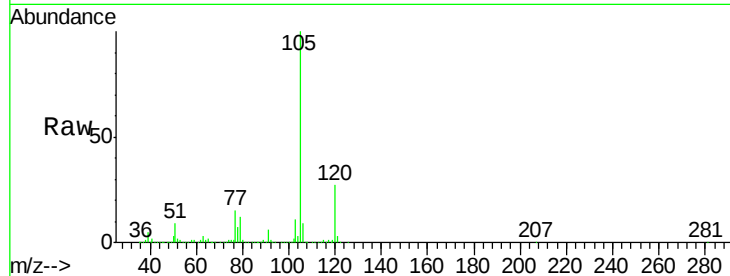
120 27.5 13.7 41.0

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.00

800000

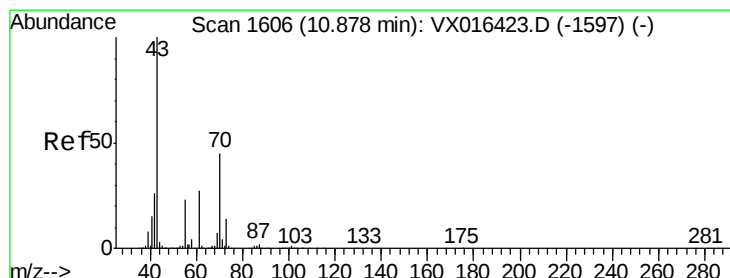
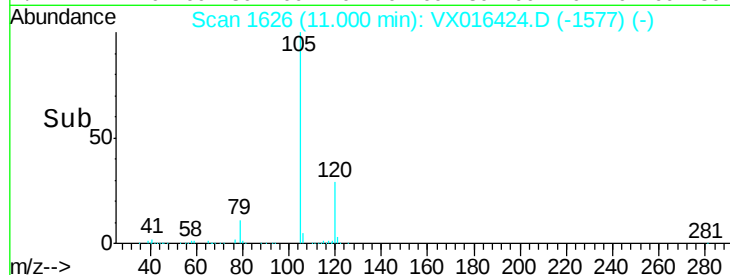
600000

400000

200000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 87.474 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

Tgt Ion: 43 Resp: 392472

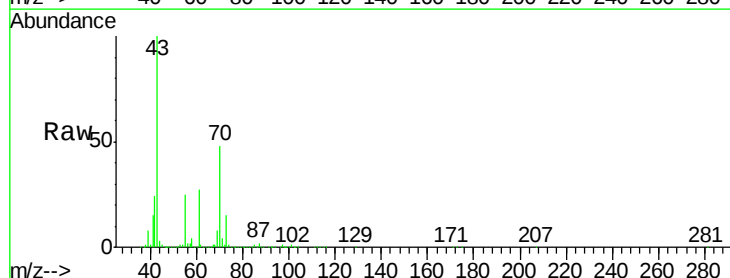
Ion Ratio Lower Upper

43 100

70 47.7 38.0 57.0

55 25.1 20.0 30.0

61 26.7 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

500000

400000

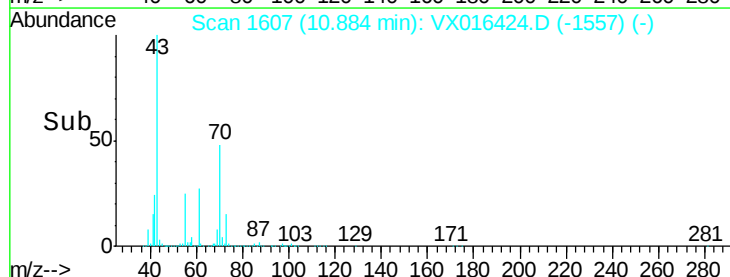
300000

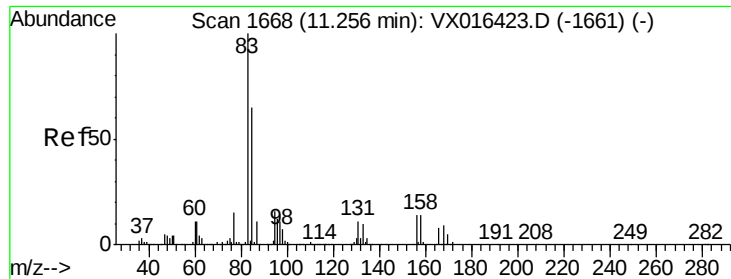
200000

100000

0

Time--> 10.80 10.90





#75

1,1,2,2-Tetrachloroethane

Concen: 137.799 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

Instrument :

MSVOA_X

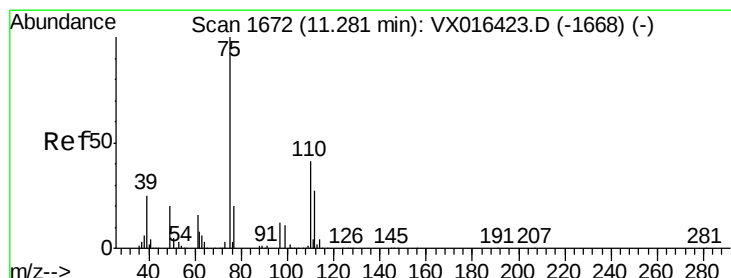
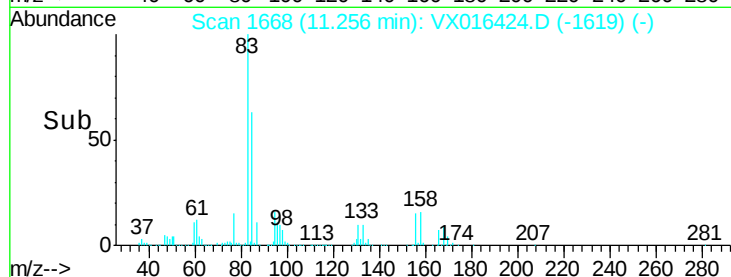
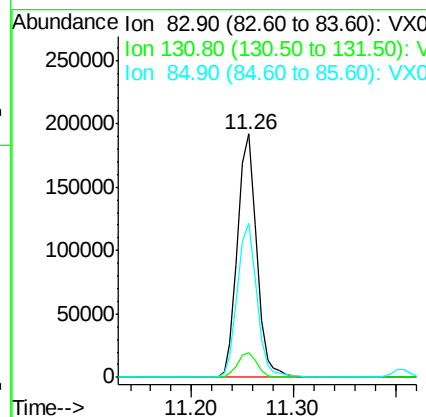
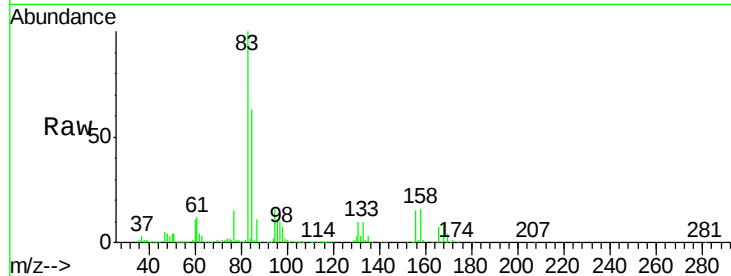
ClientSampleId :

VSTDICC100

Tot Ion:	83	Resp:	247835
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.4	16.2
85	64.6	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 91.170 ug/l m

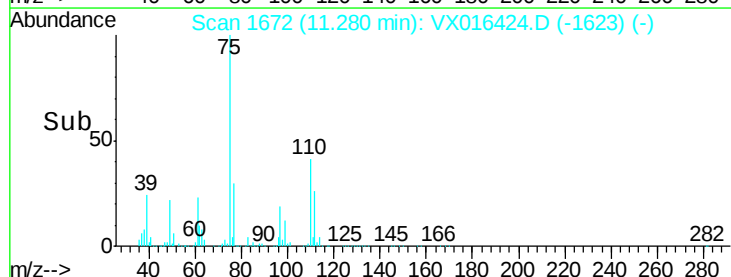
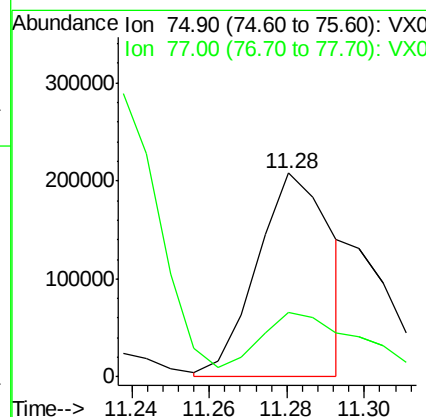
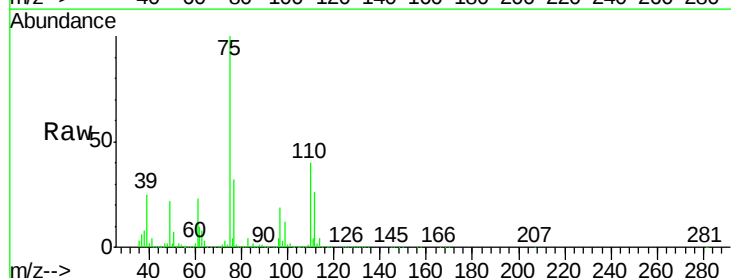
RT: 11.28 min Scan# 1672

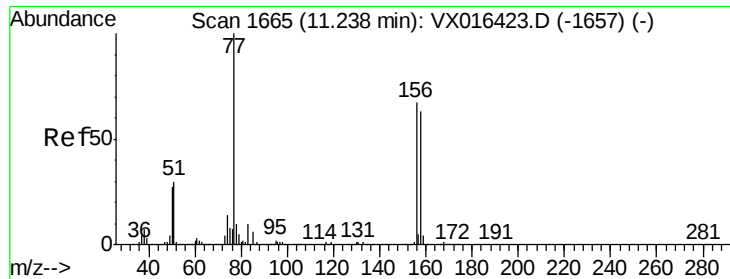
Delta R.T. -0.00 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

Tgt Ion:	75	Resp:	276942
Ion Ratio	Lower	Upper	
75	100		
77	43.6	21.4	64.3





#77

Bromobenzene

Concen: 97.734 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

Instrument :

MSVOA_X

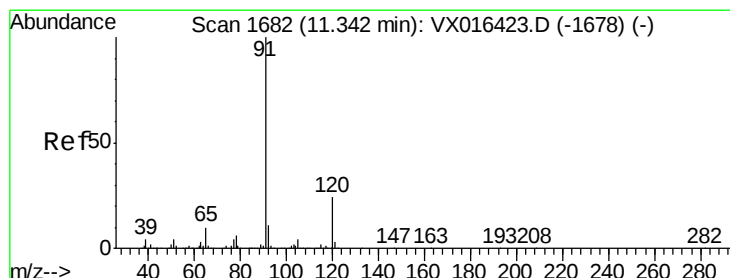
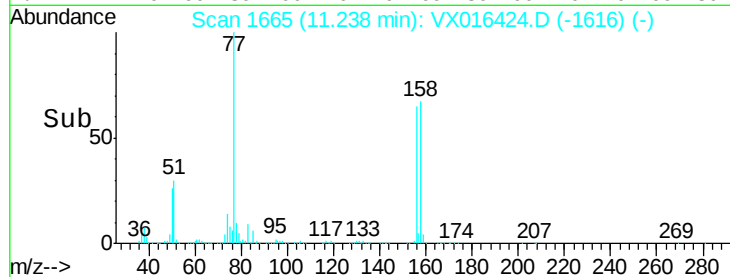
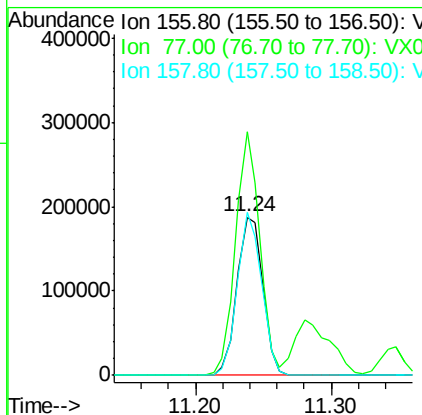
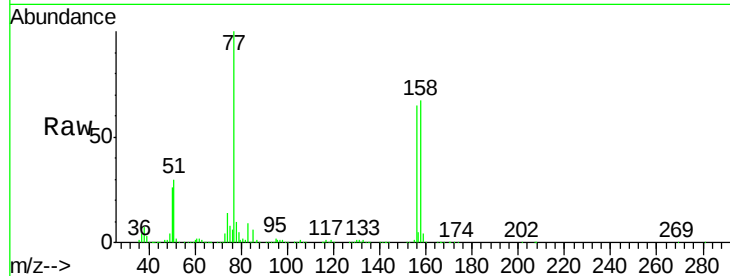
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	248704
Ion Ratio	Lower	Upper	
156	100		
77	144.4	74.6	223.8
158	96.8	48.7	146.1

Manual Integrations
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#78

n-propylbenzene

Concen: 93.320 ug/l

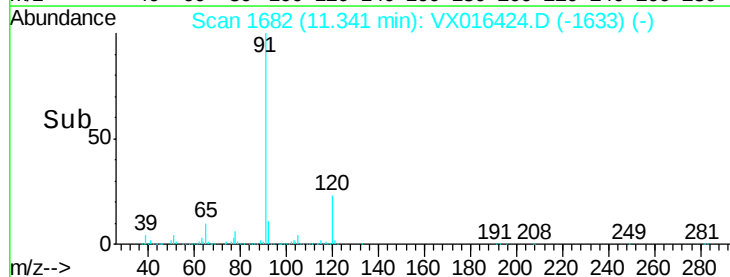
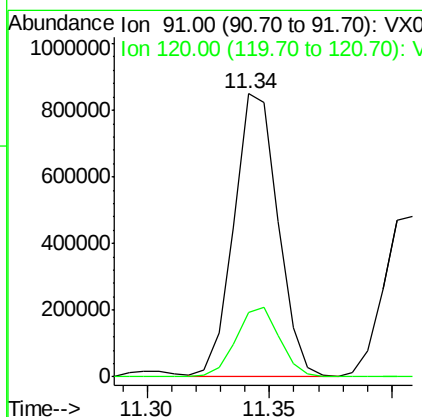
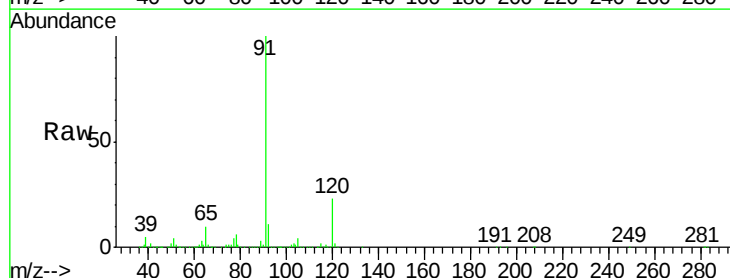
RT: 11.34 min Scan# 1682

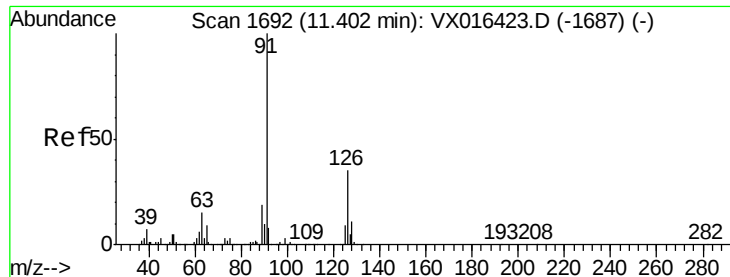
Delta R.T. -0.00 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

Tgt Ion:	91	Resp:	1060699
Ion Ratio	Lower	Upper	
91	100		
120	24.4	12.1	36.3





#79

2-Chlorotoluene

Concen: 92.809 ug/l

RT: 11.41 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 623817

Ion Ratio Lower Upper

91 100

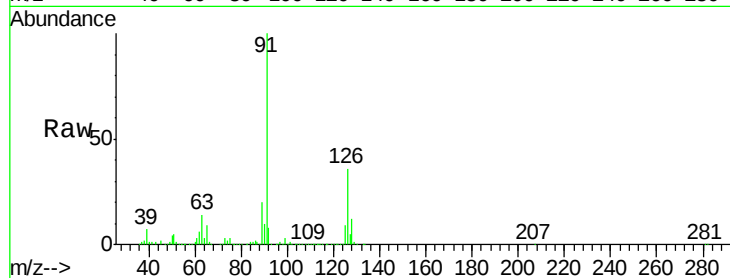
126 35.7 17.7 53.1

Manual Integrations

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

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

800000

600000

400000

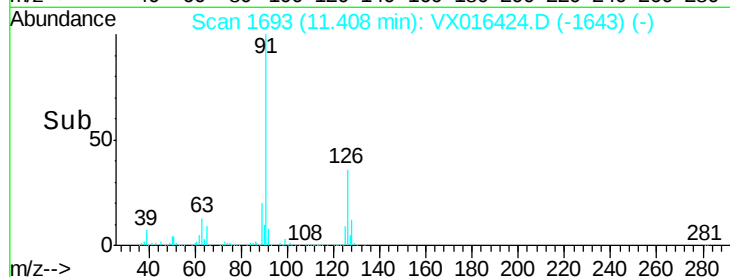
200000

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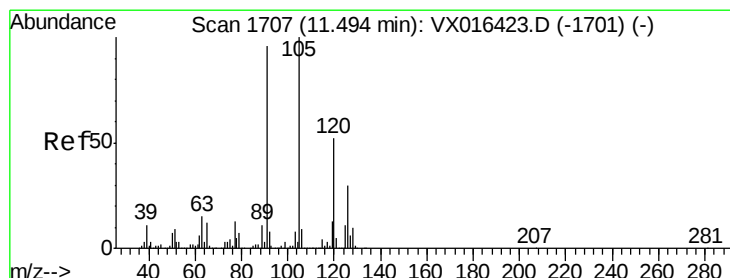
11.35

11.40

11.45



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 93.615 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016424.D

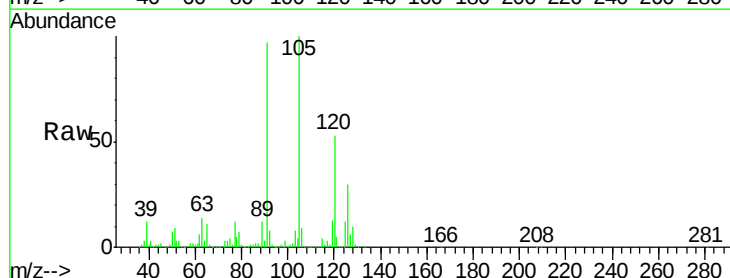
Acq: 26 May 2020 14:02

Tgt Ion: 105 Resp: 773672

Ion Ratio Lower Upper

105 100

120 51.7 25.0 75.0



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

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

600000

400000

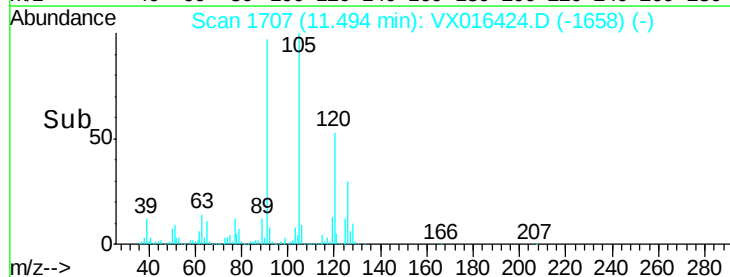
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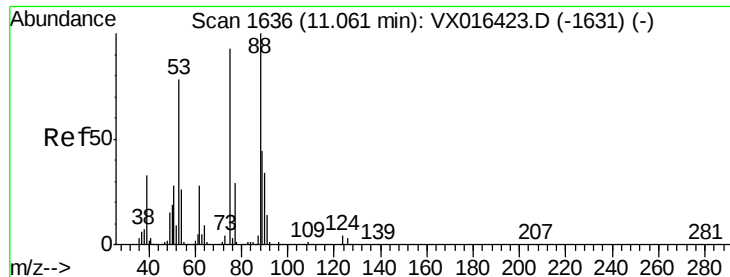
11.49

11.50

11.60



Time-->



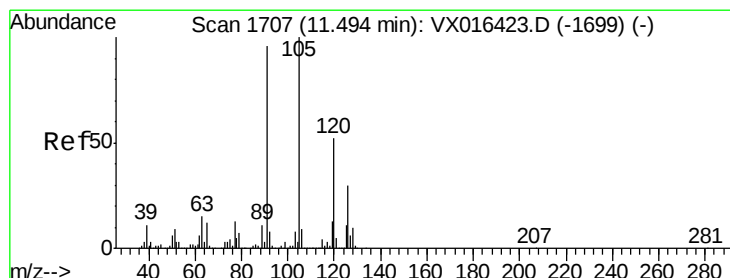
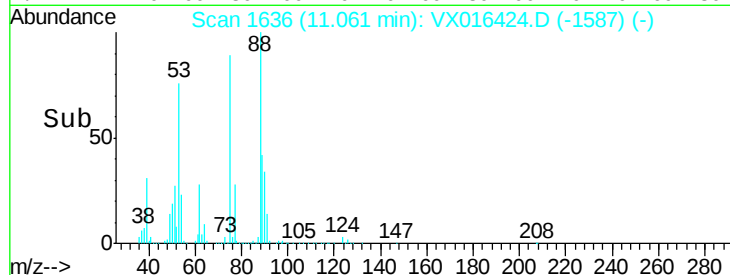
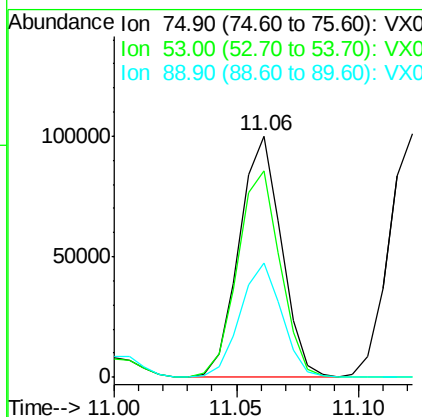
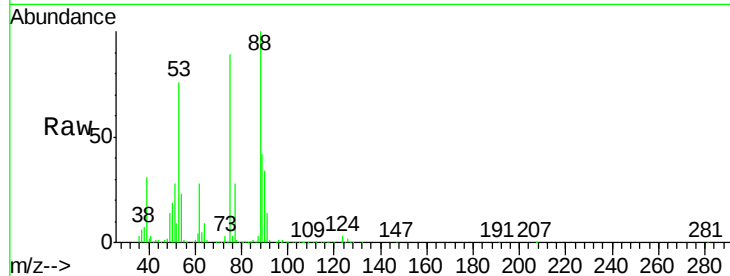
#81
trans-1,4-Dichloro-2-butene
Concen: 94.668 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.4	69.4	104.2
89	46.9	37.0	55.6

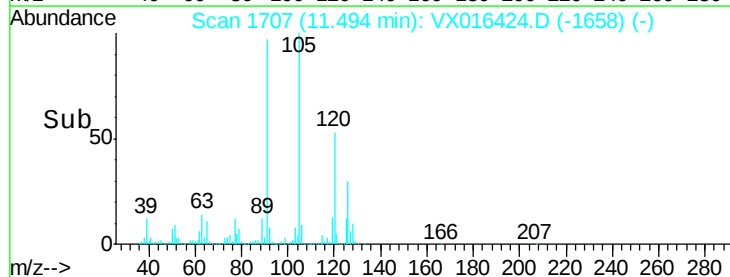
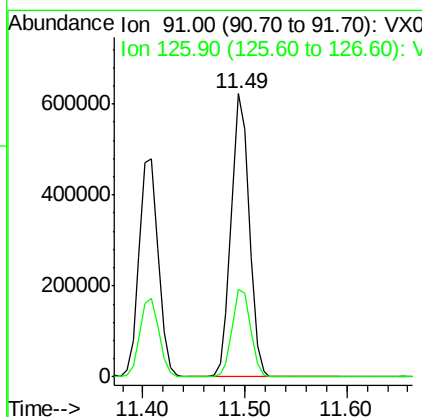
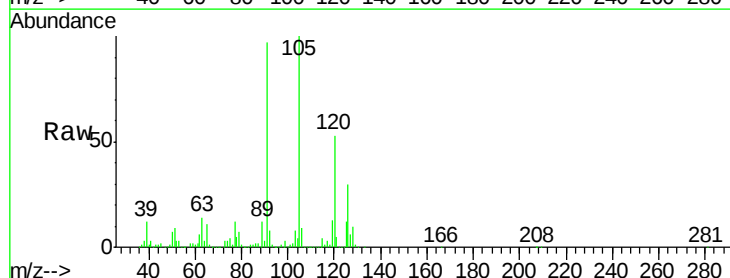
Manual Integrations
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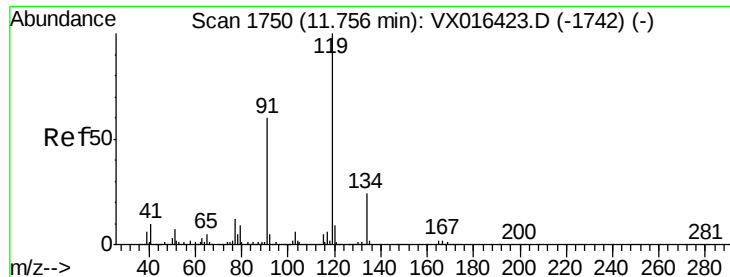
MMDadoda
5/27/2020 12:27:34 PM



#82
4-Chlorotoluene
Concen: 95.117 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.7	47.0





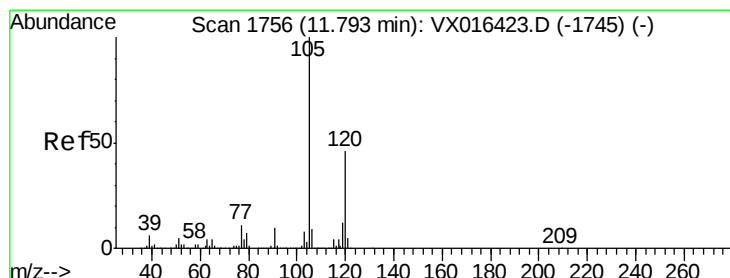
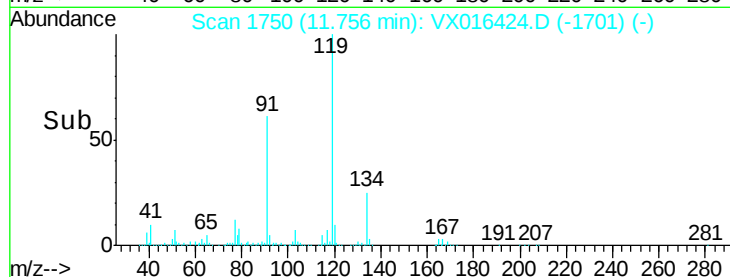
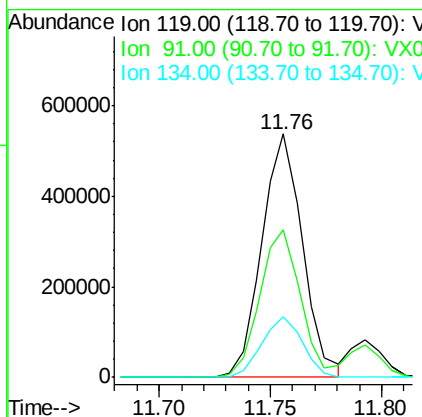
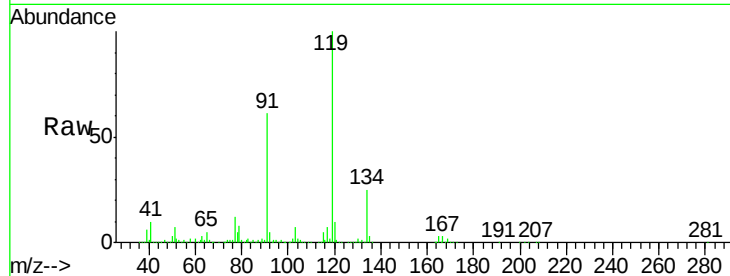
#83
tert-Butylbenzene
Concen: 95.799 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	681953		
91	60.1	30.8	92.3	
134	24.7	12.3	36.9	

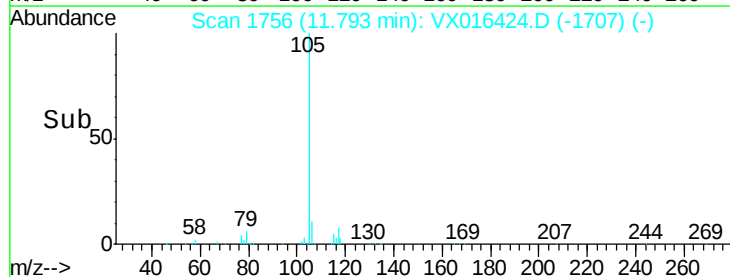
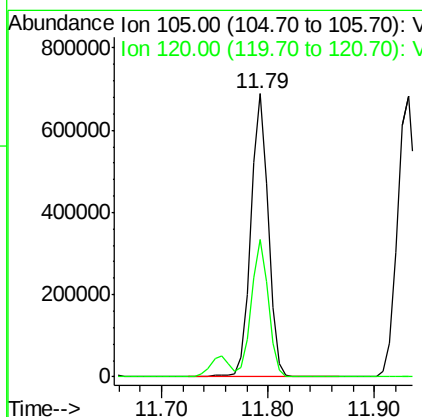
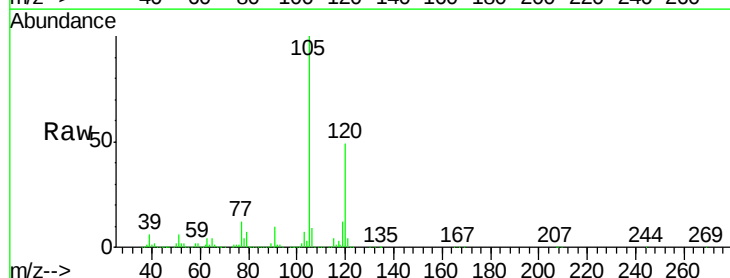
Manual Integrations
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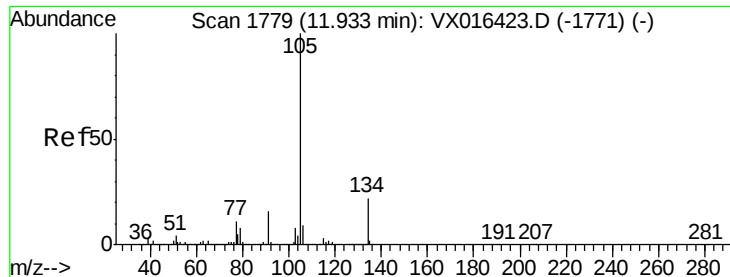
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#84
1,2,4-Trimethylbenzene
Concen: 94.608 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	788816		
120	47.5	23.2	69.6	





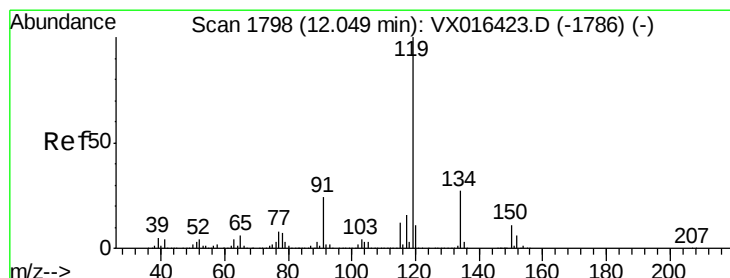
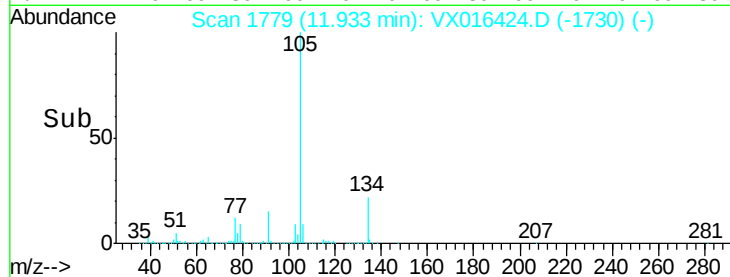
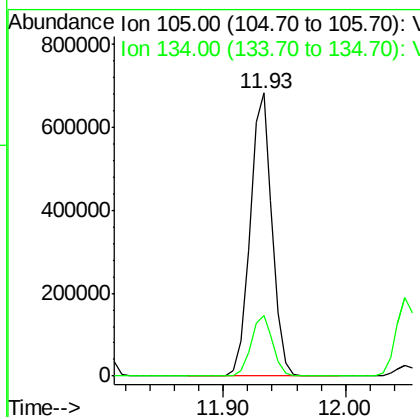
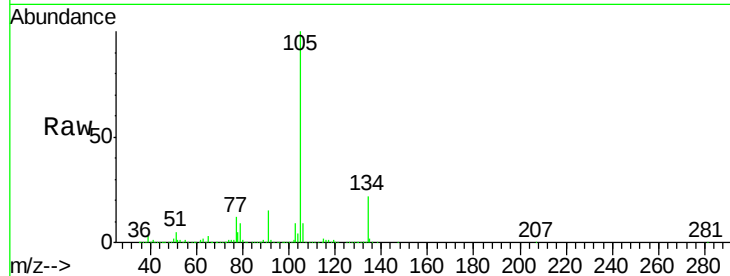
#85
 sec-Butylbenzene
 Concen: 88.592 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX016424.D
 Acq: 26 May 2020 14:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.5	31.6

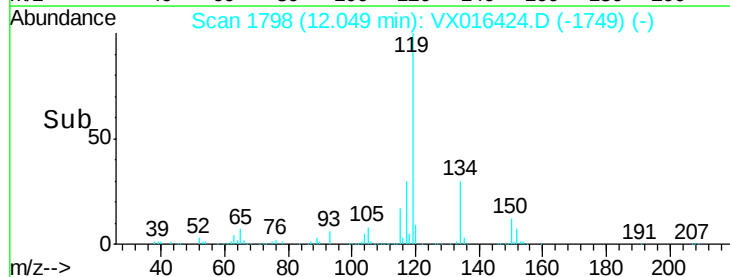
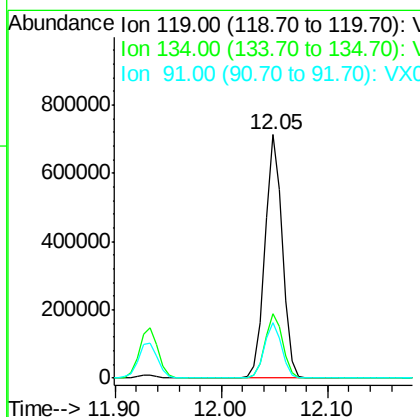
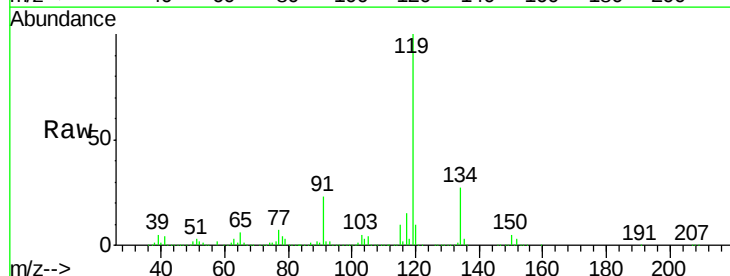
Manual Integrations
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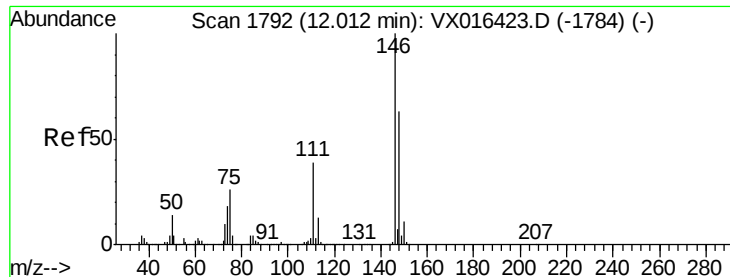
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#86
 p-Isopropyltoluene
 Concen: 92.113 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX016424.D
 Acq: 26 May 2020 14:02

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.8	41.3
91	22.9	11.9	35.5





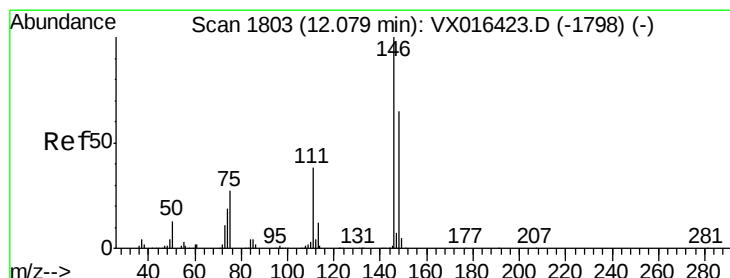
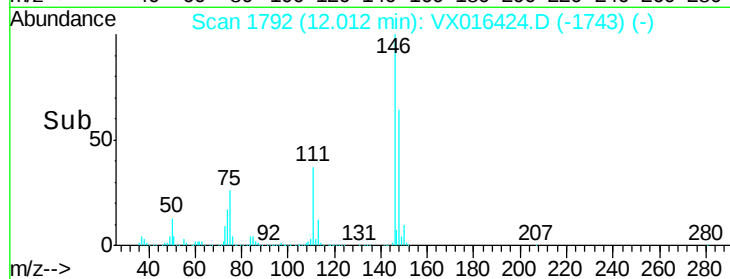
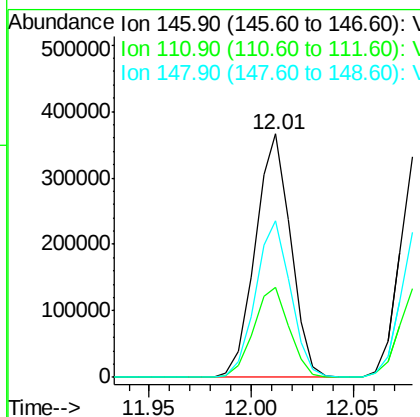
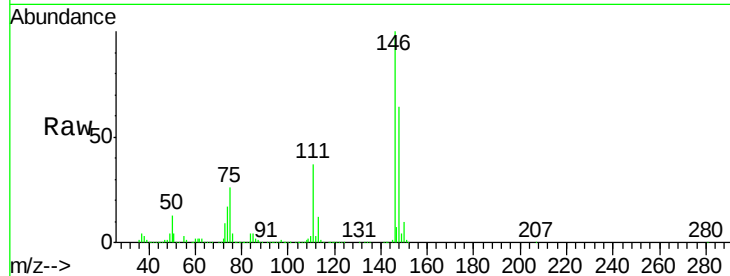
#87
 1,3-Dichlorobenzene
 Concen: 97.128 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016424.D
 Acq: 26 May 2020 14:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	20.1	60.2
148	63.8	31.4	94.2

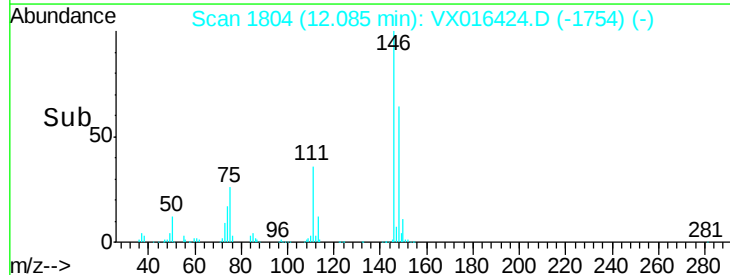
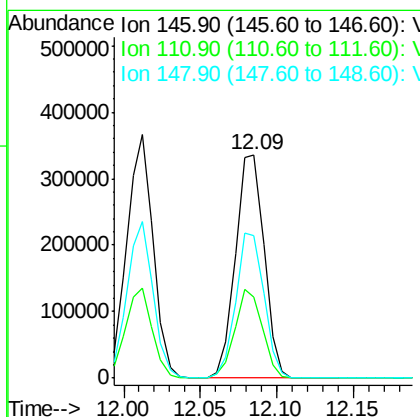
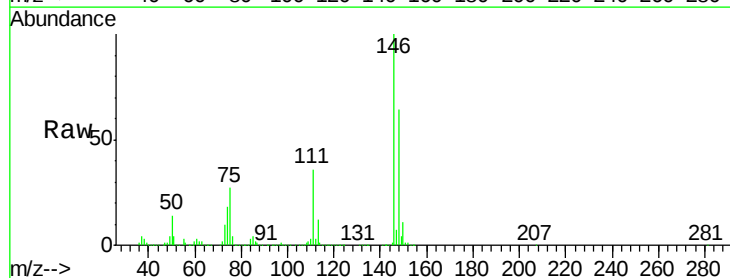
Manual Integrations
 APPROVED

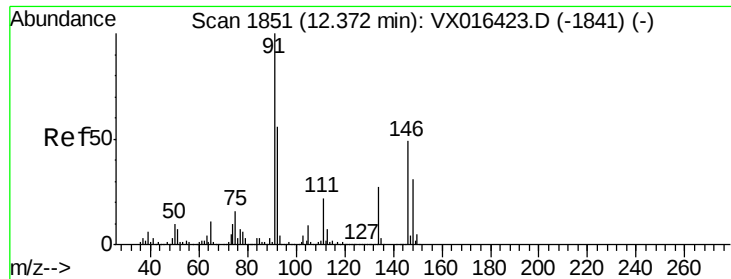
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#88
 1,4-Dichlorobenzene
 Concen: 94.603 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: VX016424.D
 Acq: 26 May 2020 14:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.2	57.6
148	64.0	33.1	99.2





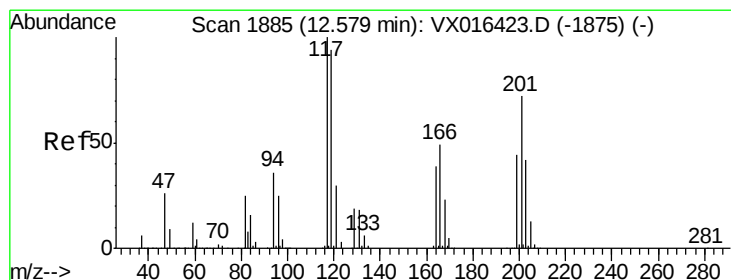
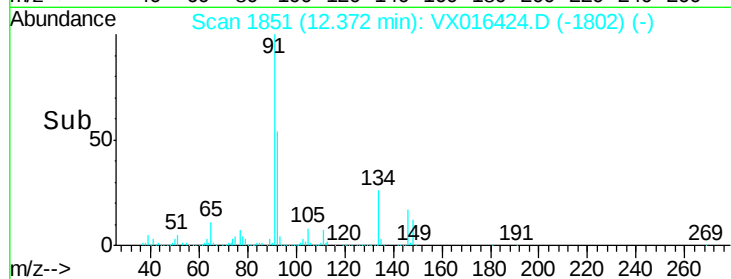
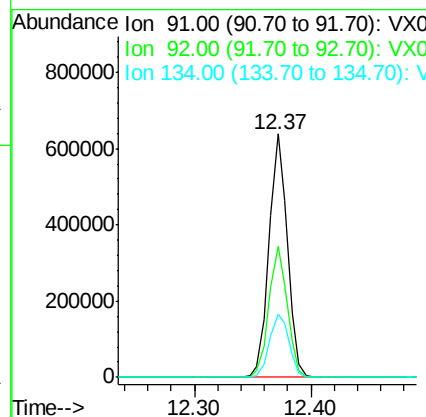
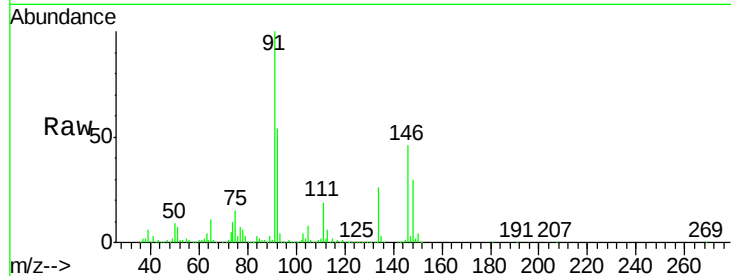
#89
n-Butylbenzene
Concen: 87.711 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.6	82.8
134	27.4	13.7	41.1

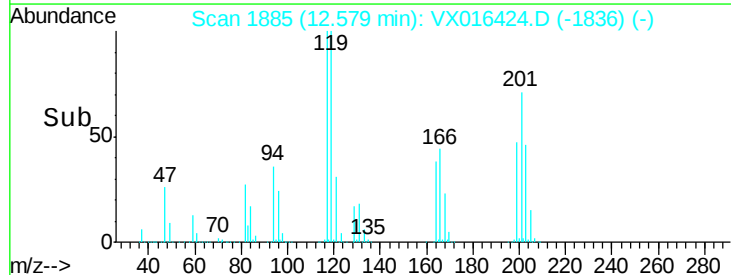
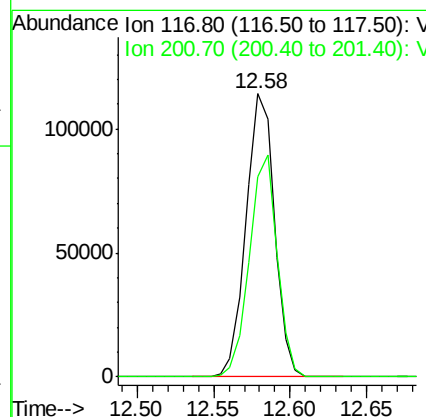
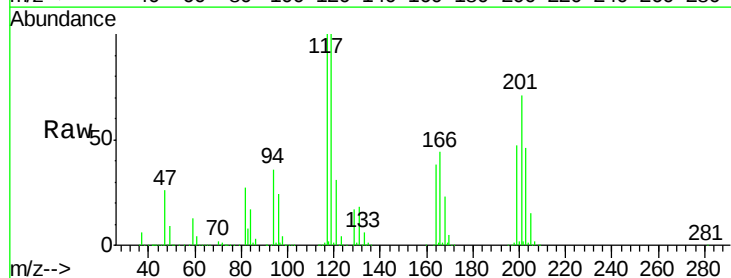
Manual Integrations
APPROVED

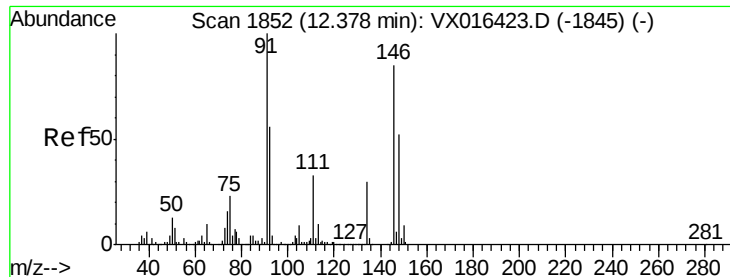
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#90
Hexachloroethane
Concen: 96.733 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016424.D
Acq: 26 May 2020 14:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.5	37.6	112.9





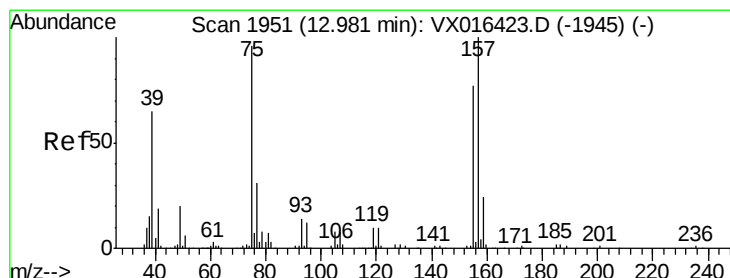
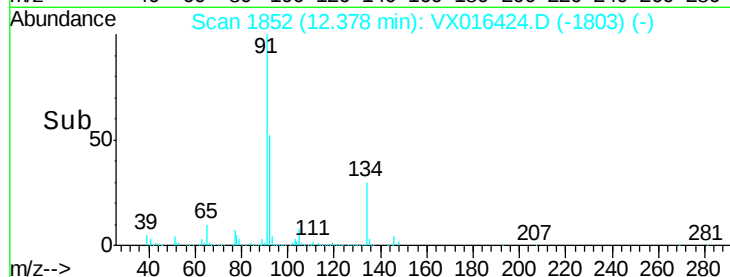
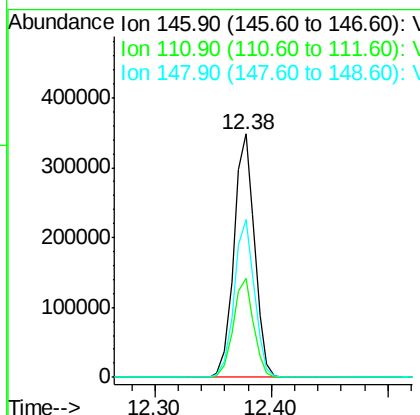
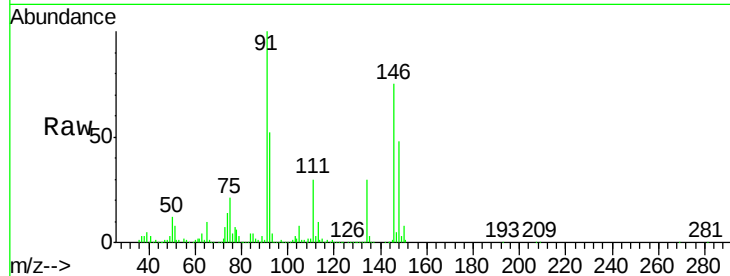
#91
 1,2-Dichlorobenzene
 Concen: 97.103 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX016424.D
 Acq: 26 May 2020 14:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.4	61.3
148	64.0	31.6	94.8

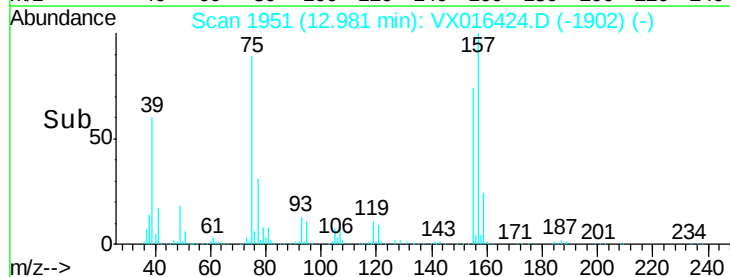
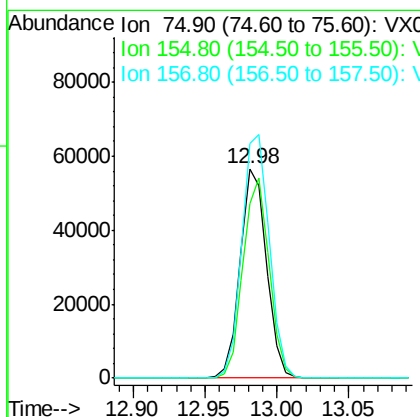
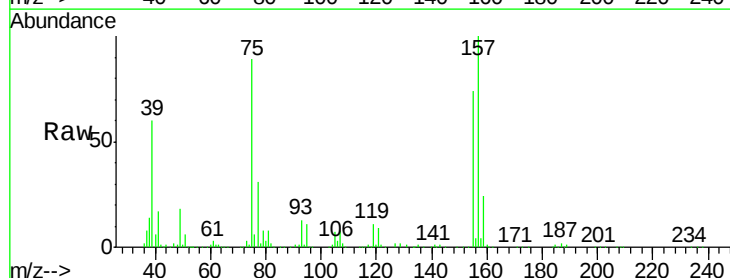
Manual Integrations
 APPROVED

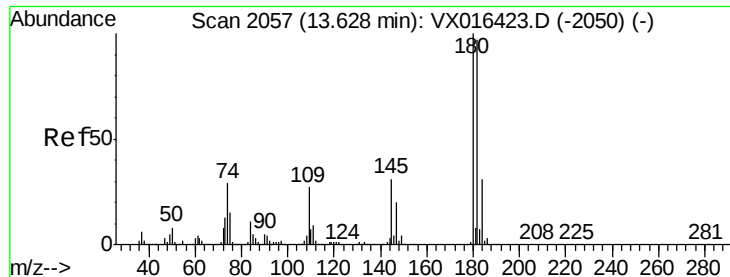
MMDadoda
 5/27/2020 12:27:34 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 89.648 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX016424.D
 Acq: 26 May 2020 14:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.4	44.8	134.4
157	120.4	57.8	173.4





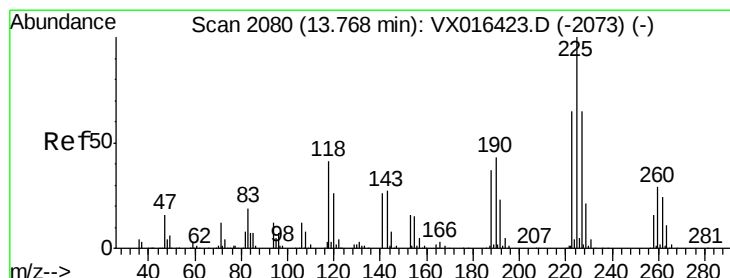
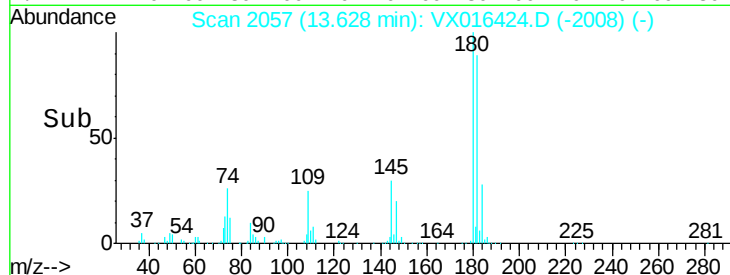
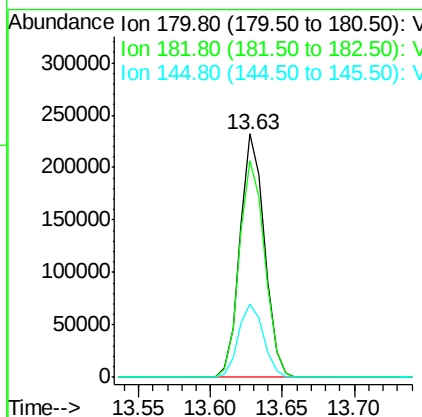
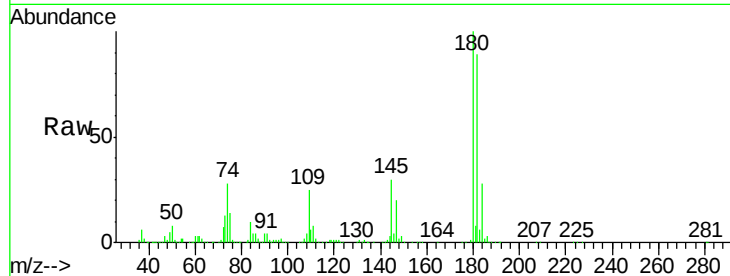
#93
 1,2,4-Trichlorobenzene
 Concen: 85.737 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016424.D
 Acq: 26 May 2020 14:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	273467		
182	92.2	48.6	145.8	
145	30.9	15.5	46.5	

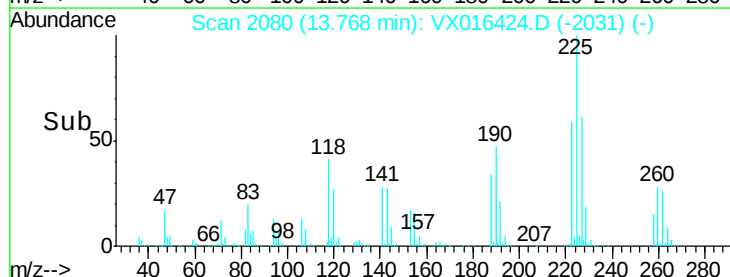
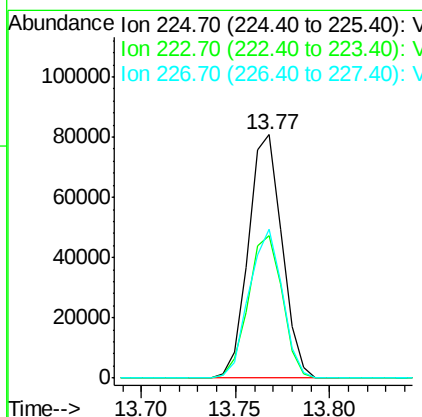
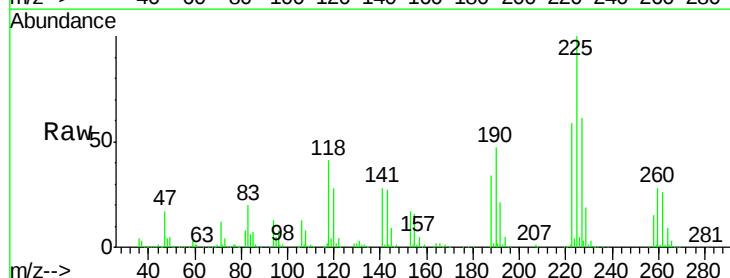
Manual Integrations
 APPROVED

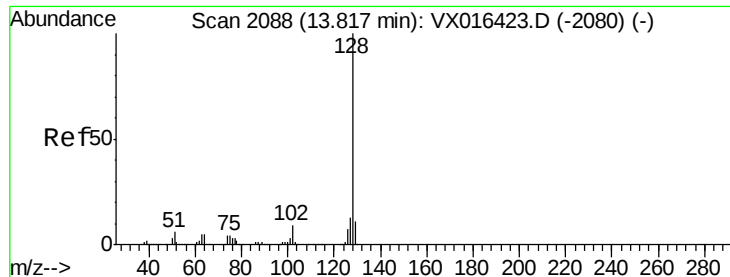
MMDadoda
 5/27/2020 12:27:34 PM



#94
 Hexachlorobutadiene
 Concen: 70.267 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX016424.D
 Acq: 26 May 2020 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	100221		
223	59.5	32.6	98.0	
227	60.3	32.5	97.4	





#95

Naphthalene

Concen: 94.434 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

Instrument :

MSVOA_X

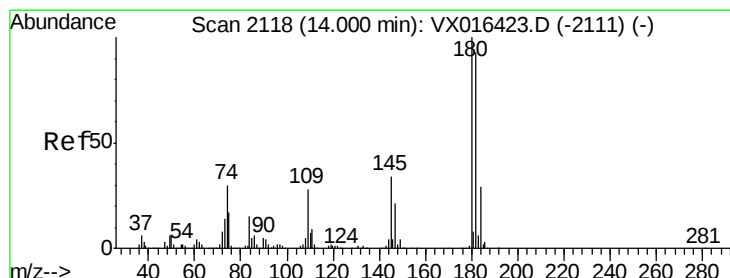
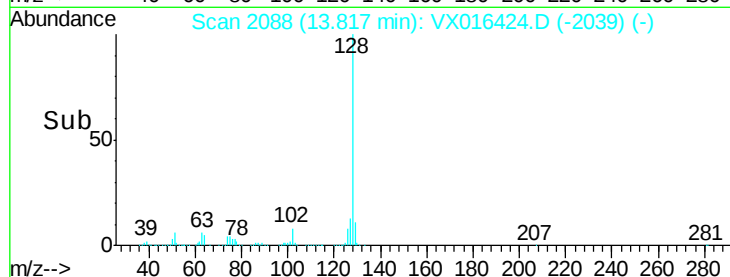
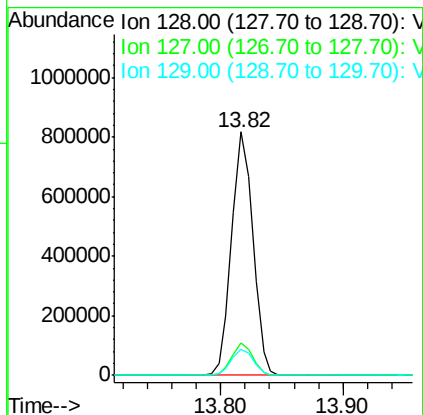
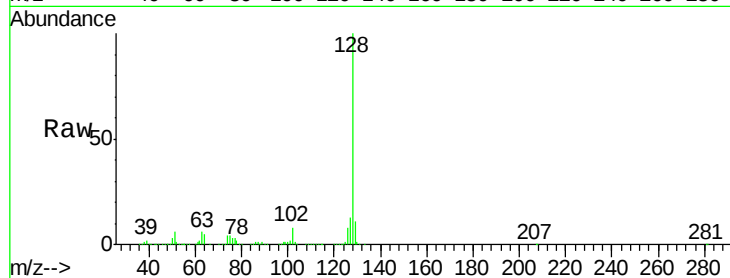
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	986473
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.5	15.7
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/27/2020 12:27:34 PM



#96

1,2,3-Trichlorobenzene

Concen: 85.538 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VX016424.D

Acq: 26 May 2020 14:02

Tgt Ion:	180	Resp:	265389
Ion Ratio	Lower	Upper	
180	100		
182	96.1	48.2	144.6
145	32.1	16.3	48.9

