

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050420\
 Data File : VX016031.D
 Acq On : 04 May 2020 12:25
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 5/5/2020 11:35:20 AM

Quant Time: May 04 13:34:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 13:19:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	338965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	539654	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	495314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	241316	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	87510	16.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.88%	
35) Dibromofluoromethane	5.47	113	66826	17.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.04%	
50) Toluene-d8	8.70	98	260919	18.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.70%	
62) 4-Bromofluorobenzene	11.12	95	95807	18.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	64639	18.100	ug/l	99
3) Chloromethane	1.32	50	73640	17.239	ug/l	99
4) Vinyl Chloride	1.39	62	79890	17.755	ug/l	99
5) Bromomethane	1.63	94	51398	18.834	ug/l	98
6) Chloroethane	1.71	64	49026	17.385	ug/l	98
7) Trichlorofluoromethane	1.92	101	103786	17.640	ug/l	100
8) Diethyl Ether	2.17	74	43690	17.539	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	59177	17.478	ug/l	97
10) Methyl Iodide	2.49	142	78018	18.030	ug/l	99
11) Tert butyl alcohol	3.01	59	100028	90.573	ug/l	99
12) 1,1-Dichloroethene	2.36	96	61916	17.453	ug/l	98
13) Acrolein	2.27	56	58884	86.989	ug/l	98
14) Allyl chloride	2.71	41	113648	17.540	ug/l	99
15) Acrylonitrile	3.12	53	202842	86.978	ug/l	100
16) Acetone	2.42	43	174604	87.327	ug/l	99
17) Carbon Disulfide	2.55	76	191541	15.103	ug/l	100
18) Methyl Acetate	2.75	43	86325	17.524	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	216858	17.925	ug/l	98
20) Methylene Chloride	2.84	84	70071	16.601	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	66439	16.665	ug/l	97
22) Diisopropyl ether	3.82	45	215598	17.626	ug/l	99
23) Vinyl Acetate	3.79	43	956130	90.303	ug/l	100
24) 1,1-Dichloroethane	3.67	63	120397	17.649	ug/l	100
25) 2-Butanone	4.64	43	283898	89.872	ug/l	100
26) 2,2-Dichloropropane	4.56	77	109921	17.414	ug/l	100
27) cis-1,2-Dichloroethene	4.57	96	74801	17.431	ug/l	100
28) Bromochloromethane	4.98	49	54999	17.796	ug/l	100
29) Tetrahydrofuran	5.09	42	188253	89.493	ug/l	100
30) Chloroform	5.18	83	120525	17.731	ug/l	100
31) Cyclohexane	5.56	56	109936	17.272	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	109385	17.725	ug/l	100
36) 1,1-Dichloropropene	5.77	75	92222	17.121	ug/l	98
37) Ethyl Acetate	4.79	43	110218	17.968	ug/l	99
38) Carbon Tetrachloride	5.76	117	95807	17.699	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	111734	17.394	ug/l	98
40) Benzene	6.12	78	273365	17.340	ug/l	100
41) Methacrylonitrile	5.01	41	58209	17.571	ug/l	99
42) 1,2-Dichloroethane	6.17	62	98001	17.209	ug/l	100
43) Isopropyl Acetate	6.42	43	174906	17.919	ug/l	100
44) Trichloroethene	7.19	130	99401	17.051	ug/l	100
45) 1,2-Dichloropropane	7.49	63	70262	17.748	ug/l	100
46) Dibromomethane	7.64	93	46471	17.263	ug/l	100
47) Bromodichloromethane	7.88	83	94233	17.435	ug/l	99
48) Methyl methacrylate	7.74	41	81576	17.761	ug/l	99
49) 1,4-Dioxane	7.71	88	39734	357.675	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	538476	90.609	ug/l	100
52) Toluene	8.77	92	171844	17.692	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	112129	17.338	ug/l	97
54) cis-1,3-Dichloropropene	8.42	75	117394	17.277	ug/l	100
55) 1,1,2-Trichloroethane	9.20	97	66556	17.535	ug/l	98
56) Ethyl methacrylate	9.16	69	108438	18.058	ug/l	99
57) 1,3-Dichloropropane	9.35	76	117347	17.543	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	295918	90.465	ug/l	100
59) 2-Hexanone	9.47	43	420097	90.203	ug/l	99
60) Dibromochloromethane	9.57	129	72130	17.637	ug/l	98
61) 1,2-Dibromoethane	9.65	107	71640	17.455	ug/l	99
64) Tetrachloroethene	9.32	164	109850	17.464	ug/l	97
65) Chlorobenzene	10.12	112	180522	17.189	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.20	131	66962	17.525	ug/l	99
67) Ethyl Benzene	10.24	91	325000	17.395	ug/l	100
68) m/p-Xylenes	10.34	106	242895	35.005	ug/l	98
69) o-Xylene	10.68	106	117600	17.709	ug/l	100
70) Styrene	10.70	104	193315	17.486	ug/l	99
71) Bromoform	10.84	173	52899	17.791	ug/l #	98
73) Isopropylbenzene	11.00	105	315958	17.628	ug/l	100
74) N-amyl acetate	10.88	43	145125	17.704	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	49984	19.106	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	97740m	13.864	ug/l	
77) Bromobenzene	11.24	156	79529	17.170	ug/l	98
78) n-propylbenzene	11.34	91	358791	17.254	ug/l	100
79) 2-Chlorotoluene	11.41	91	211561	17.202	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	262505	17.590	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	39441	17.483	ug/l	96
82) 4-Chlorotoluene	11.49	91	247064	17.114	ug/l	100
83) tert-Butylbenzene	11.76	119	224185	17.443	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	264951	17.523	ug/l	100
85) sec-Butylbenzene	11.93	105	302376	17.344	ug/l	100
86) p-Isopropyltoluene	12.05	119	284241	17.626	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	137351	16.502	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	140852	16.902	ug/l	99
89) n-Butylbenzene	12.37	91	248345	16.924	ug/l	99
90) Hexachloroethane	12.58	117	47036	17.551	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	137435	17.211	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	23943	16.605	ug/l	100

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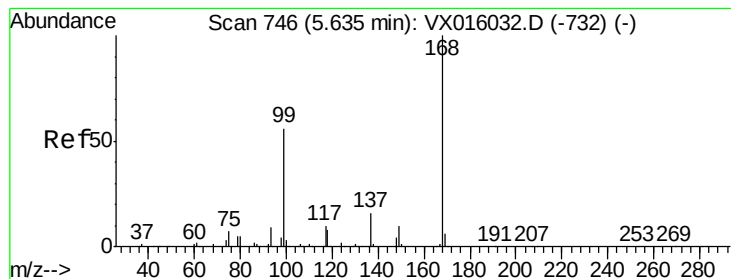
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	97459	16.550	ug/l	98
94) Hexachlorobutadiene	13.77	225	44249	15.999	ug/l	98
95) Naphthalene	13.82	128	325048	17.145	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	96333	16.719	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion:168 Resp: 338965

Ion Ratio Lower Upper

168 100

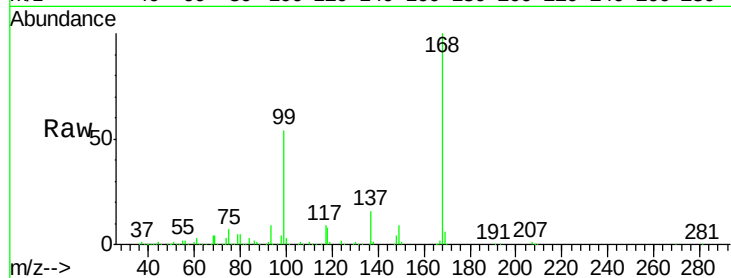
99 53.8 45.0 67.4

Manual Integrations

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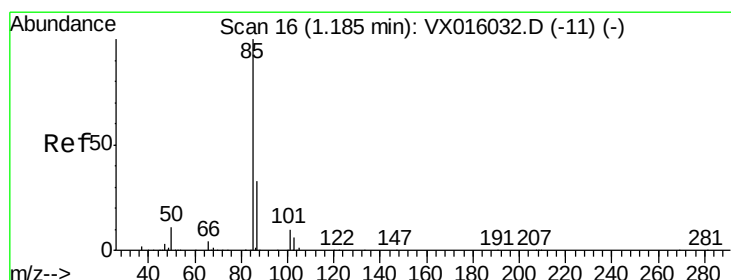
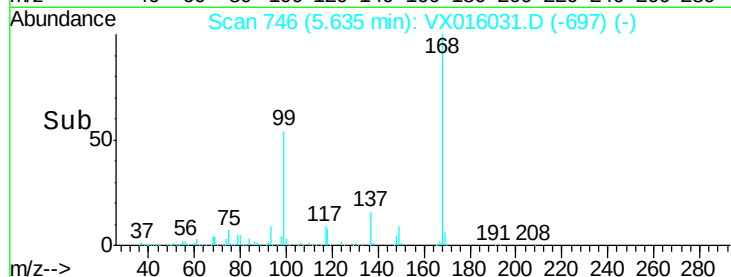
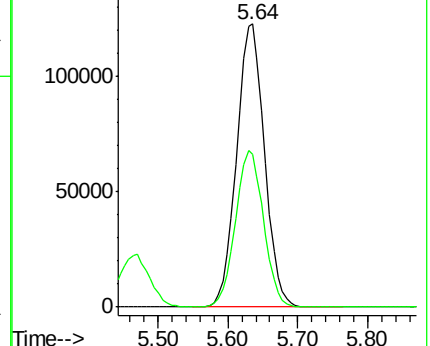
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 18.100 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016031.D

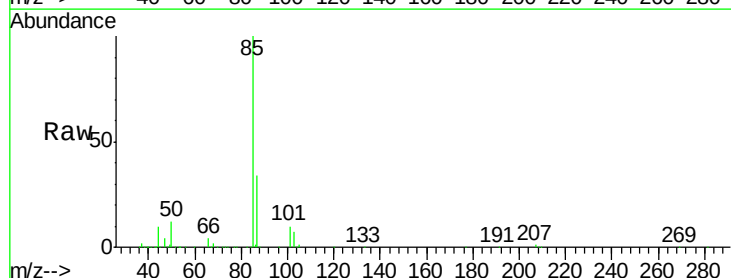
Acq: 04 May 2020 12:25

Tgt Ion: 85 Resp: 64639

Ion Ratio Lower Upper

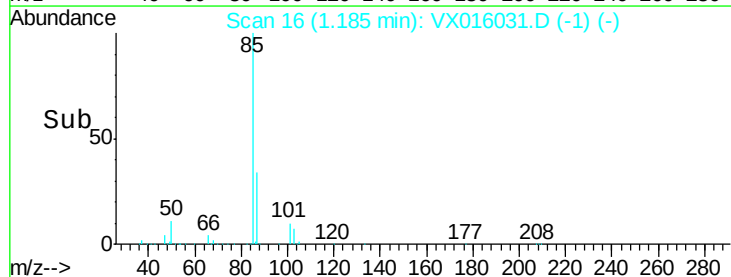
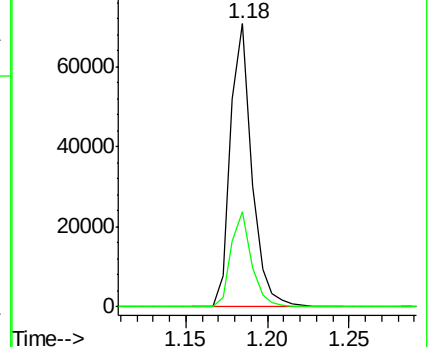
85 100

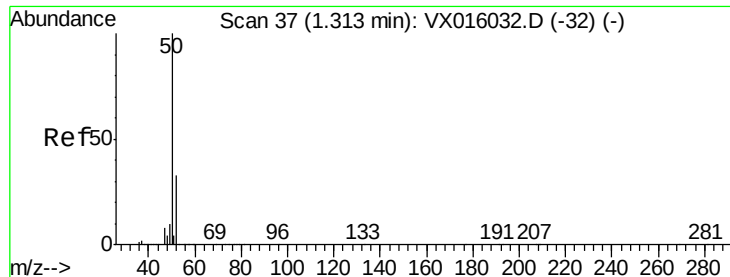
87 33.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.239 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 73640

Ion Ratio Lower Upper

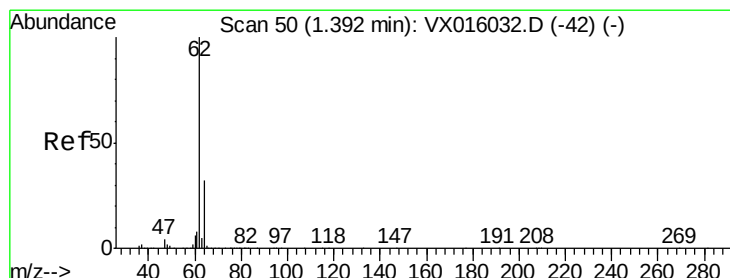
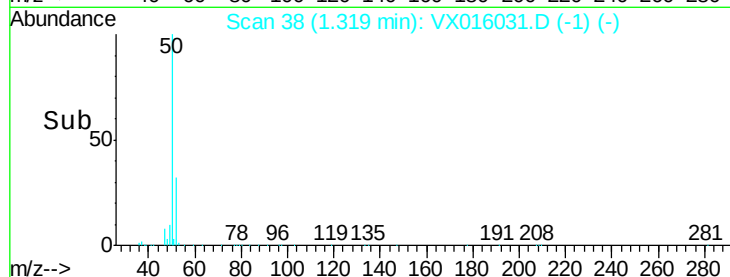
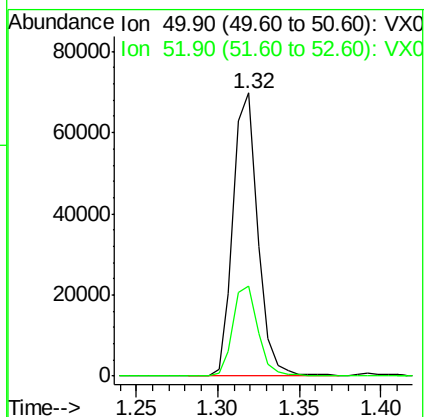
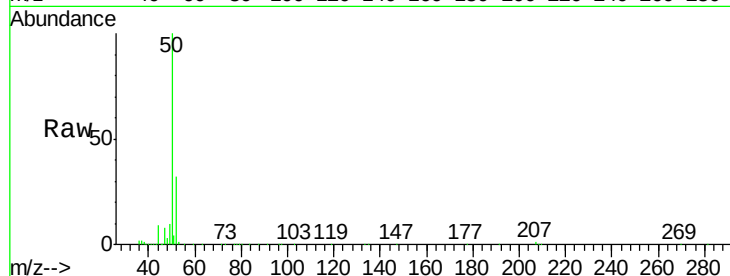
50 100

52 31.8 26.1 39.1

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#4

Vinyl Chloride

Concen: 17.755 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016031.D

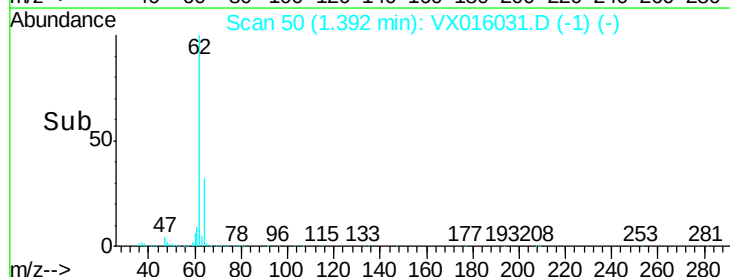
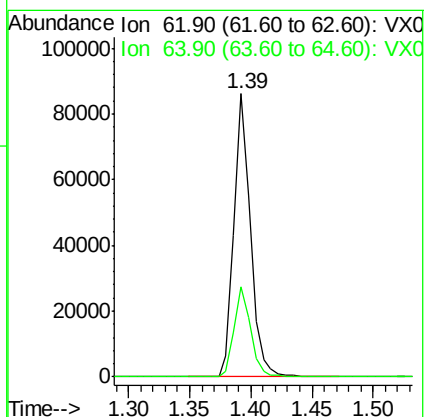
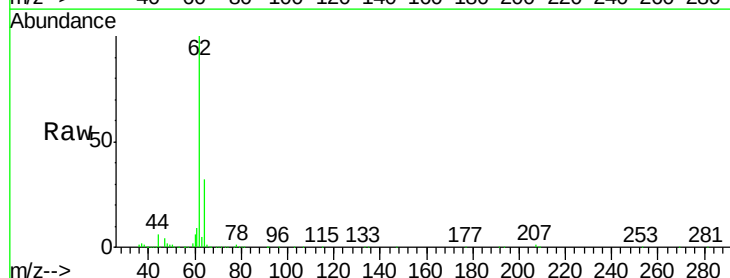
Acq: 04 May 2020 12:25

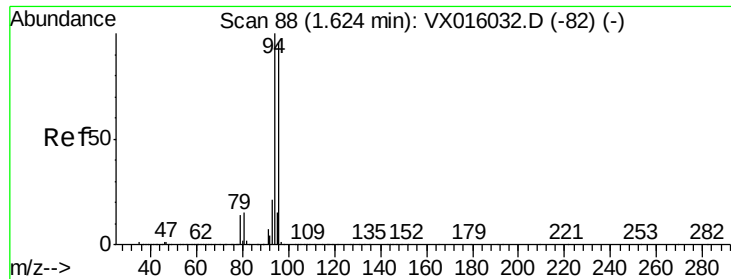
Tgt Ion: 62 Resp: 79890

Ion Ratio Lower Upper

62 100

64 31.6 25.7 38.5





#5

Bromomethane

Concen: 18.834 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 51398

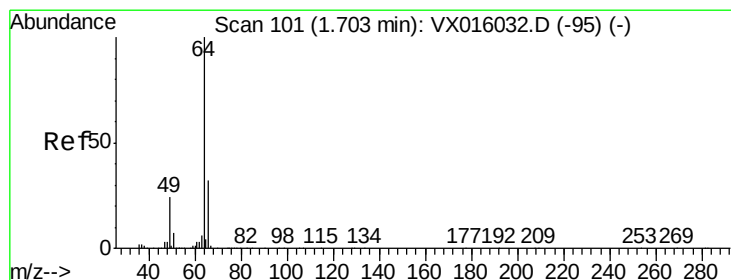
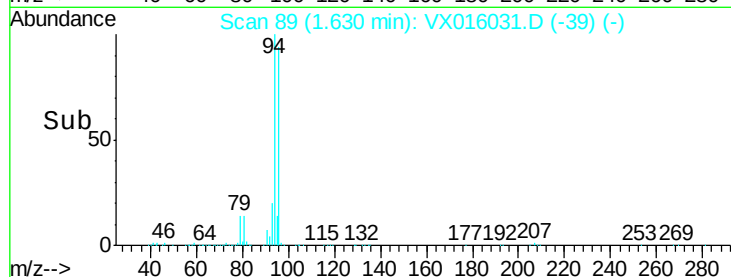
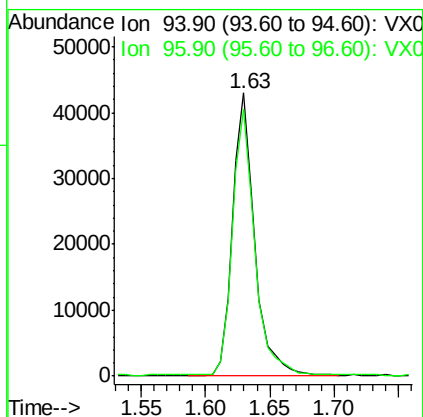
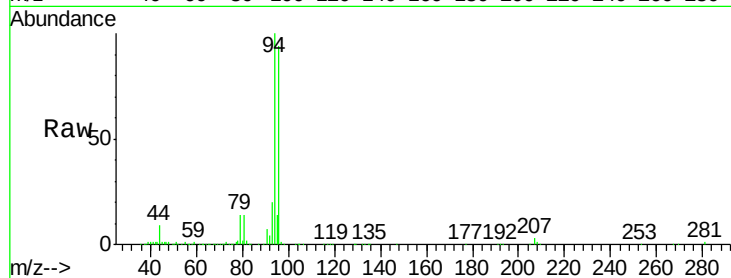
Ion Ratio Lower Upper

94 100

96 94.1 76.9 115.3

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#6

Chloroethane

Concen: 17.385 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.01 min

Lab File: VX016031.D

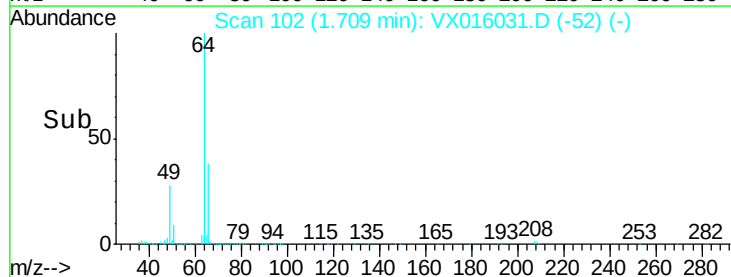
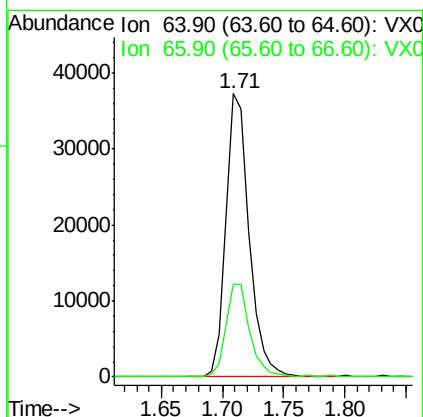
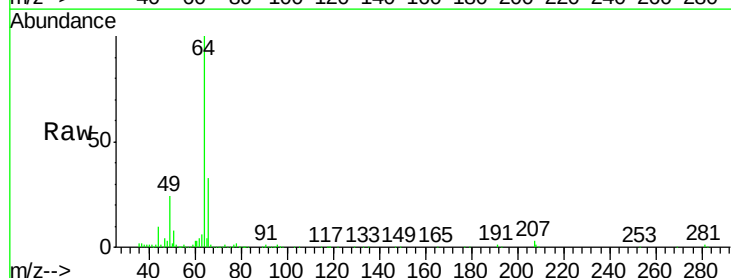
Acq: 04 May 2020 12:25

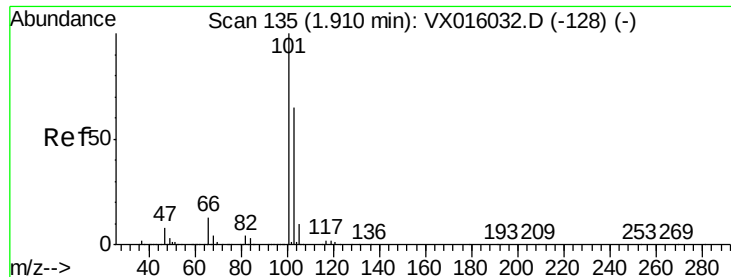
Tgt Ion: 64 Resp: 49026

Ion Ratio Lower Upper

64 100

66 32.6 25.2 37.8





#7

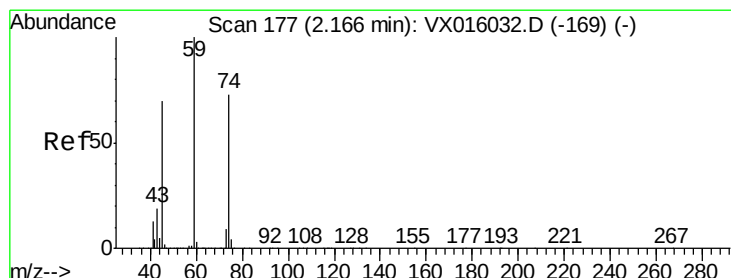
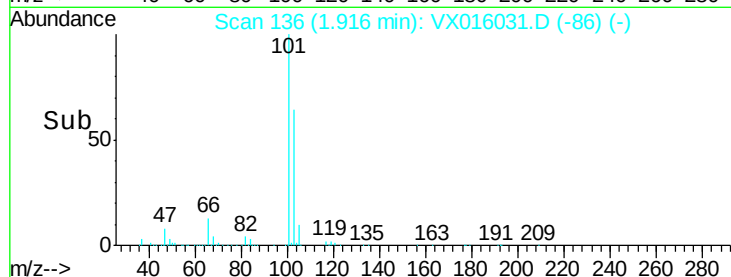
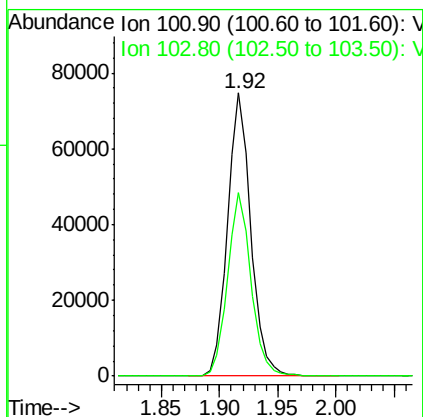
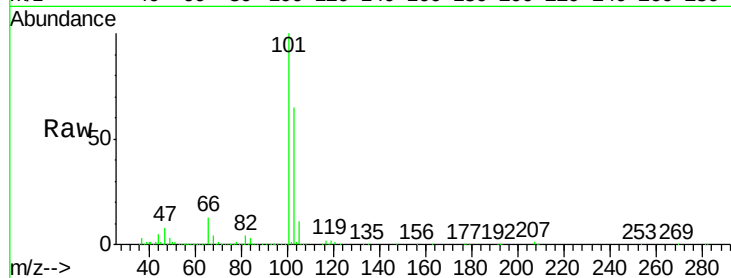
Trichlorofluoromethane
Concen: 17.640 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.01 min
Lab File: VX016031.D
Acq: 04 May 2020 12:25

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ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.8	77.6

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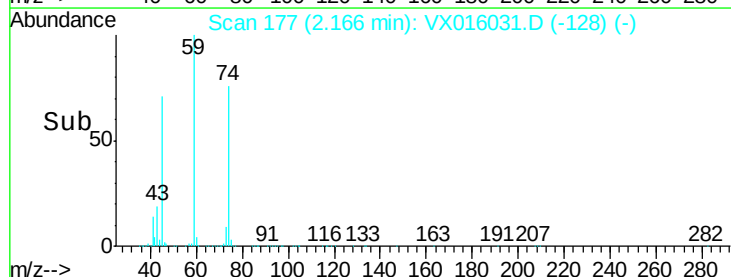
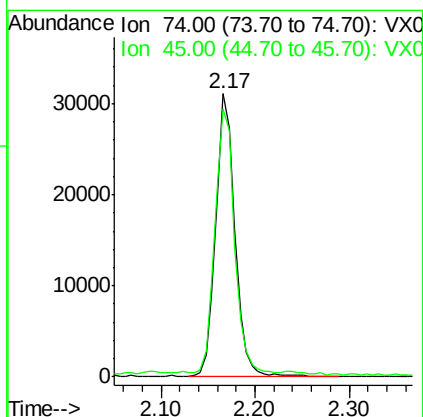
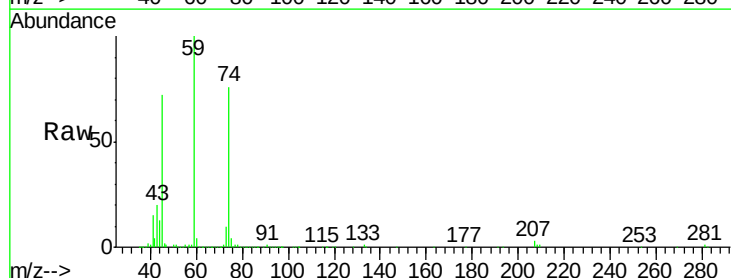
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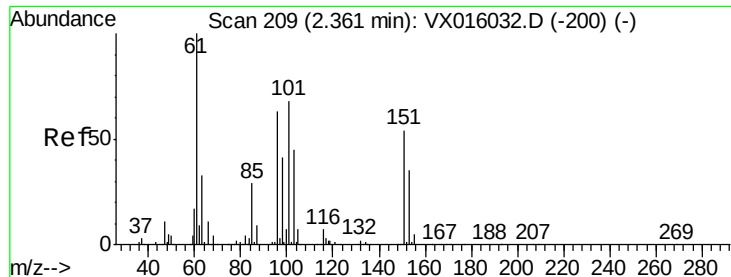


#8

Diethyl Ether
Concen: 17.539 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016031.D
Acq: 04 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.7	47.3	142.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.478 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA_X

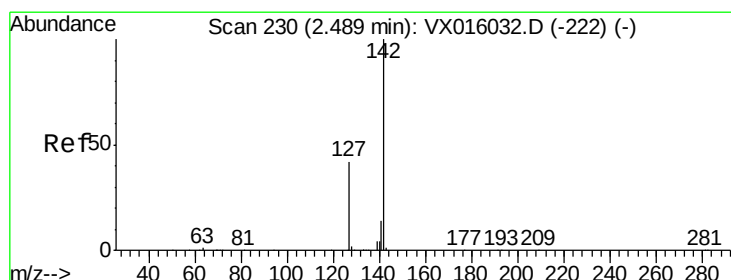
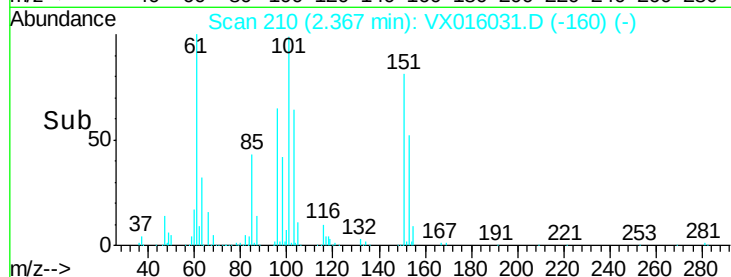
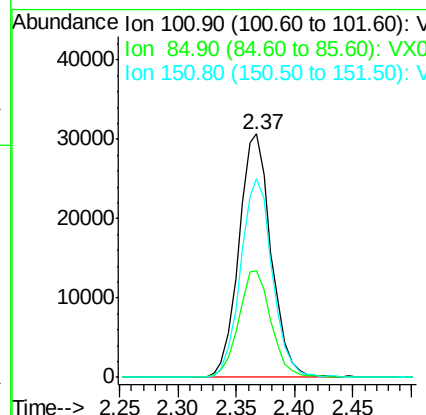
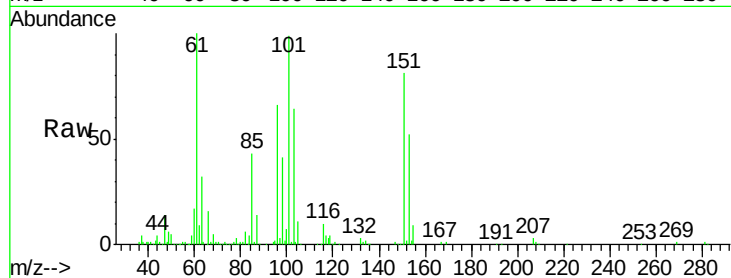
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	59177
Ion Ratio	Lower	Upper	
101	100		
85	44.0	34.2	51.4
151	80.5	62.1	93.1

Manual Integrations
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#10

Methyl Iodide

Concen: 18.030 ug/l

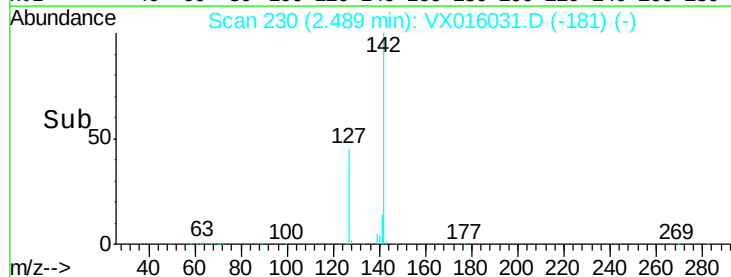
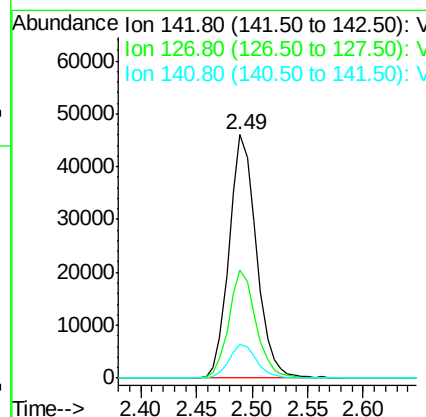
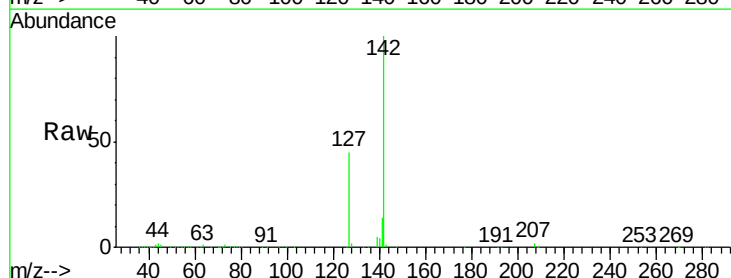
RT: 2.49 min Scan# 230

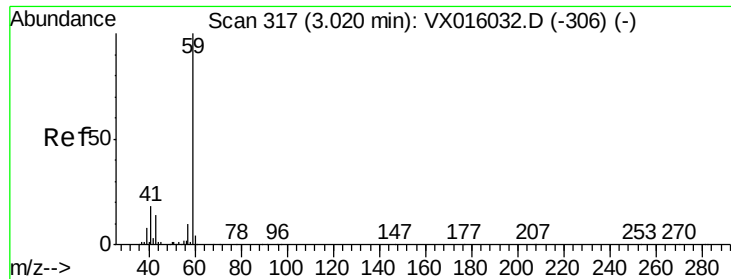
Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Tgt Ion:	142	Resp:	78018
Ion Ratio	Lower	Upper	
142	100		
127	44.1	34.6	52.0
141	14.1	11.3	16.9





#11

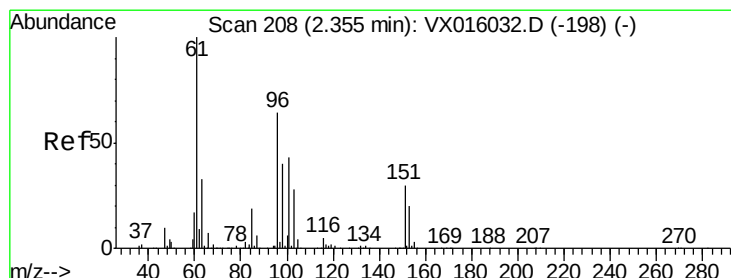
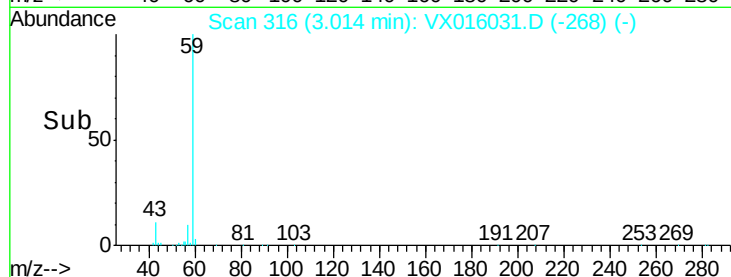
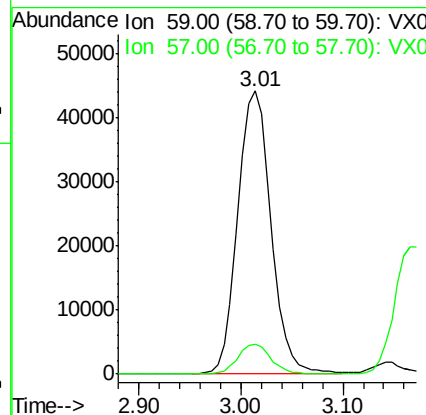
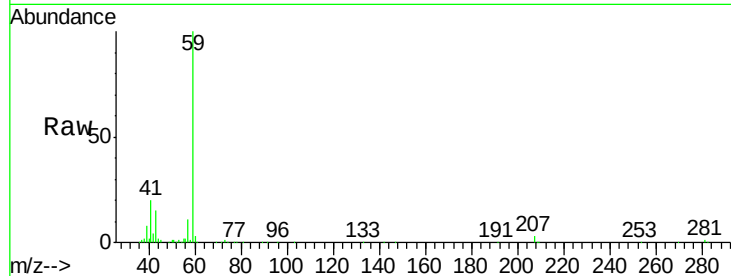
Tert butyl alcohol
Concen: 90.573 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX016031.D
Acq: 04 May 2020 12:25

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.4

Manual Integrations
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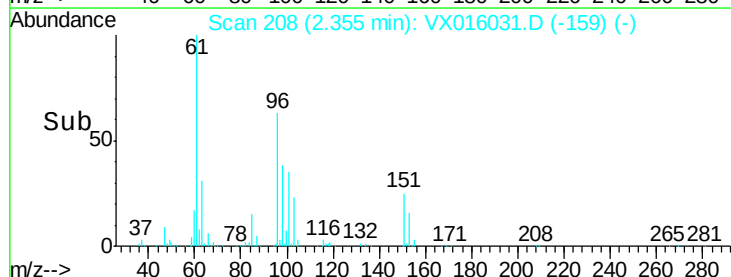
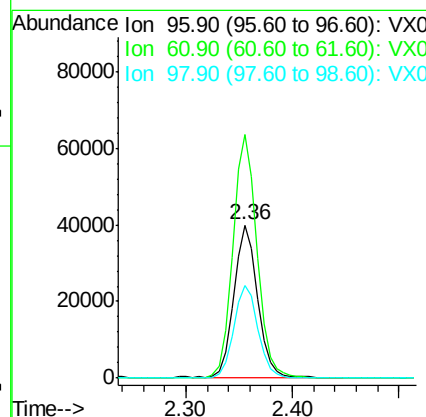
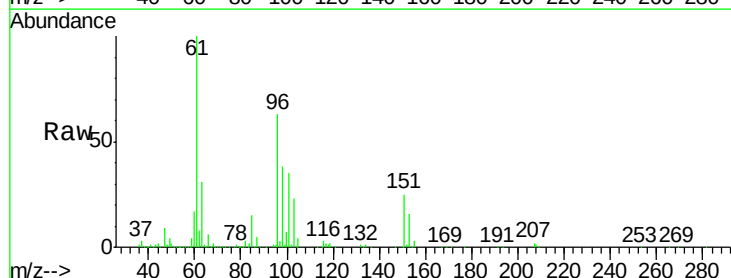
MMDadoda
5/5/2020 11:35:20 AM

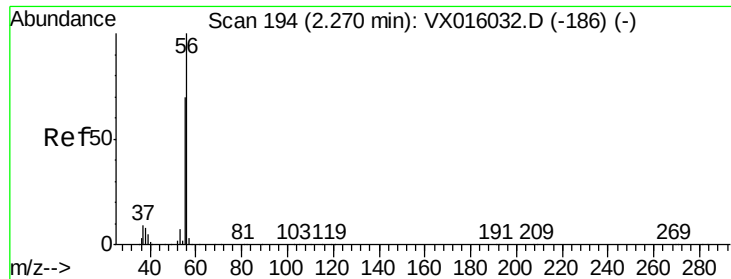


#12

1,1-Dichloroethene
Concen: 17.453 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX016031.D
Acq: 04 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.8	124.8	187.2
98	61.1	49.7	74.5





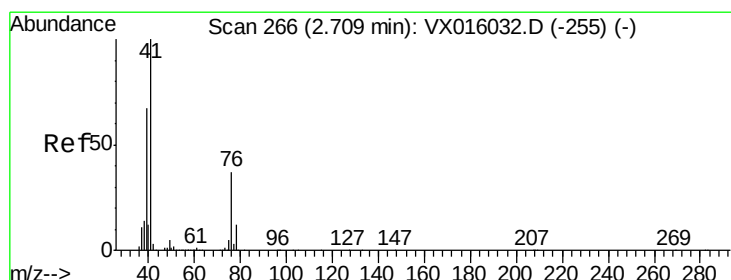
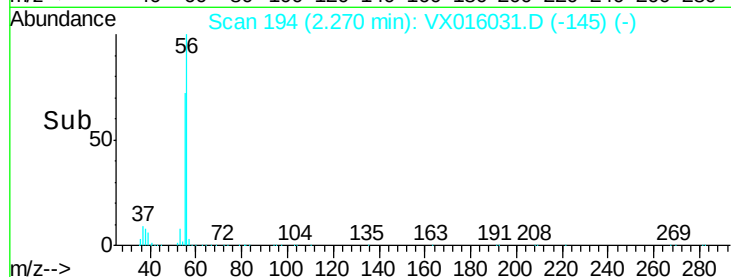
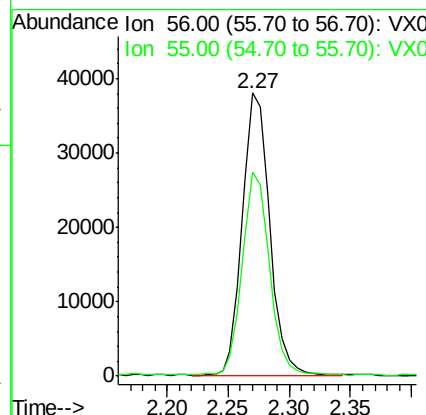
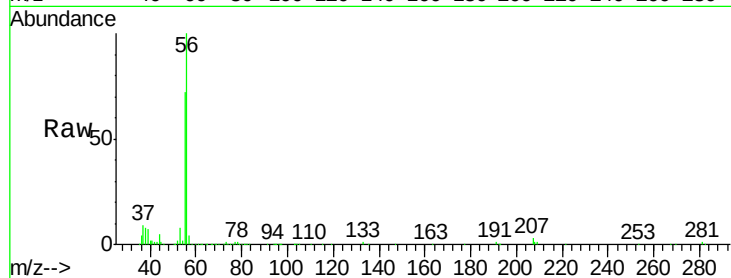
#13
Acrolein
Concen: 86.989 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX016031.D
Acq: 04 May 2020 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	56	Resp	58884
Ion Ratio	100	Lower	Upper
55	71.9	56.5	84.7

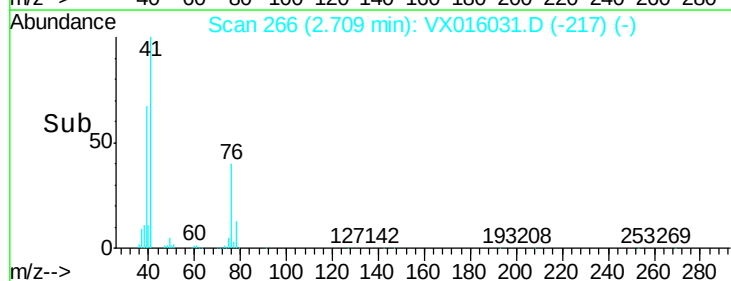
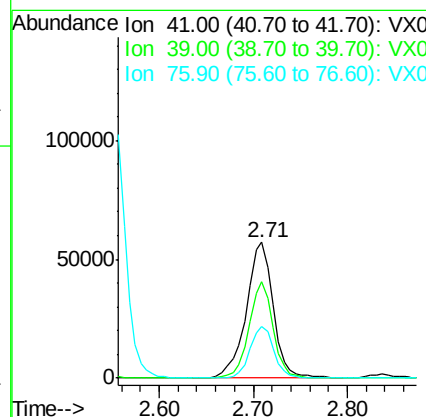
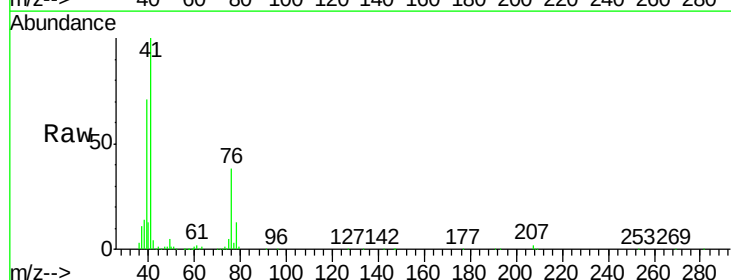
Manual Integrations
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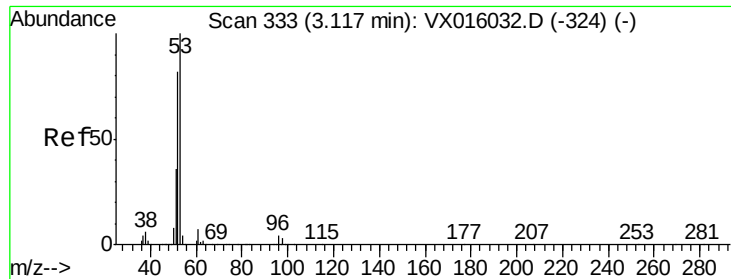
MMDadoda
5/5/2020 11:35:20 AM



#14
Allyl chloride
Concen: 17.540 ug/l
RT: 2.71 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX016031.D
Acq: 04 May 2020 12:25

Tgt Ion	41	Resp	113648
Ion Ratio	100	Lower	Upper
39	63.5	50.5	75.7
76	34.2	26.6	40.0





#15

Acrylonitrile

Concen: 86.978 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA_X

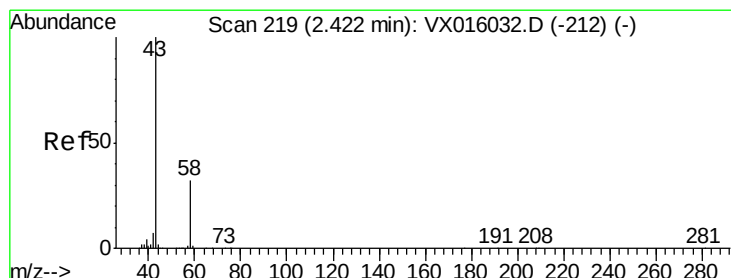
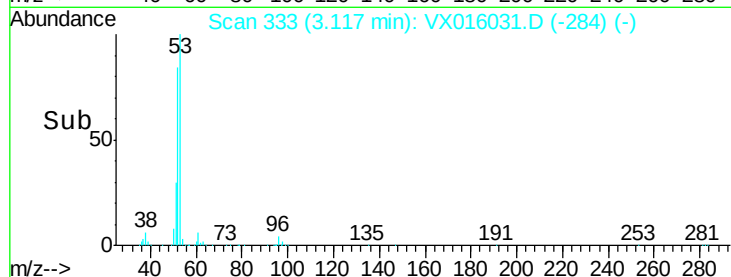
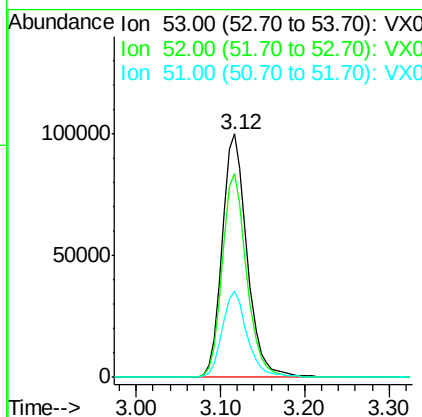
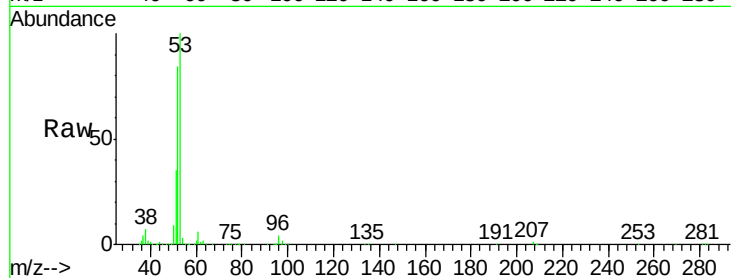
ClientSampled :

VSTDIC020

Tot Ion:	53	Resp:	202842
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.1	99.1
51	35.6	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 87.327 ug/l

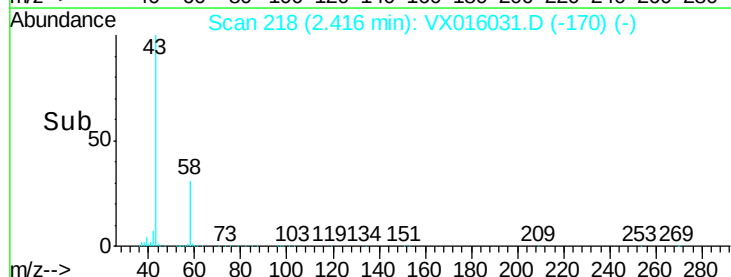
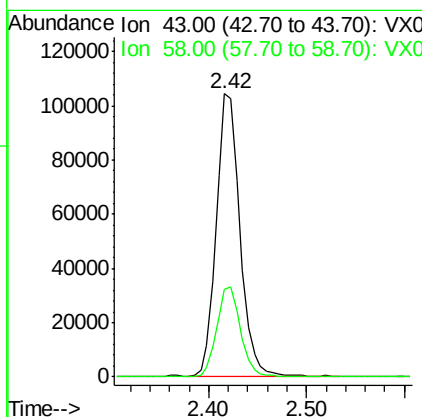
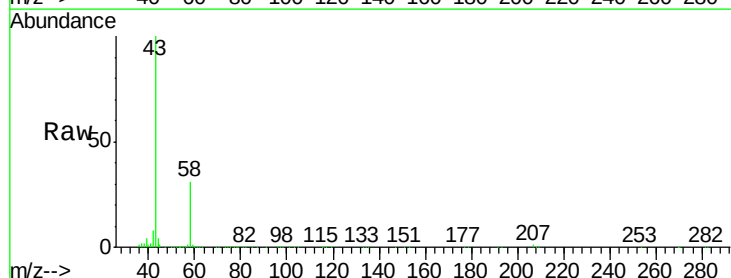
RT: 2.42 min Scan# 218

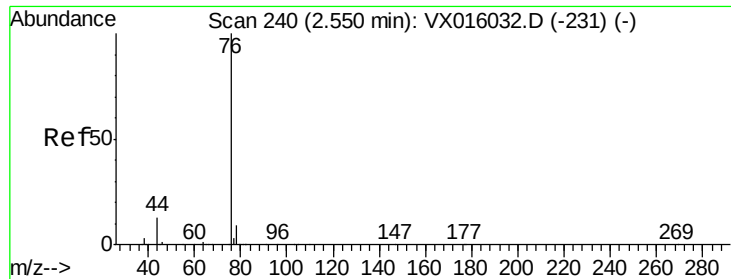
Delta R.T. -0.01 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Tgt Ion:	43	Resp:	174604
Ion	Ratio	Lower	Upper
43	100		
58	31.1	25.4	38.0





#17

Carbon Disulfide

Concen: 15.103 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 191541

Ion Ratio Lower Upper

76 100

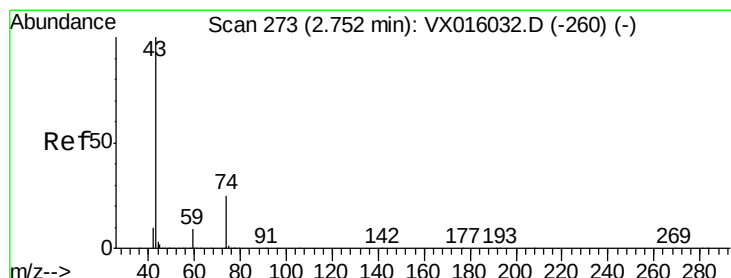
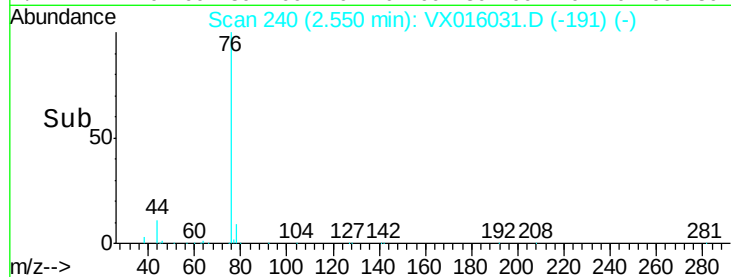
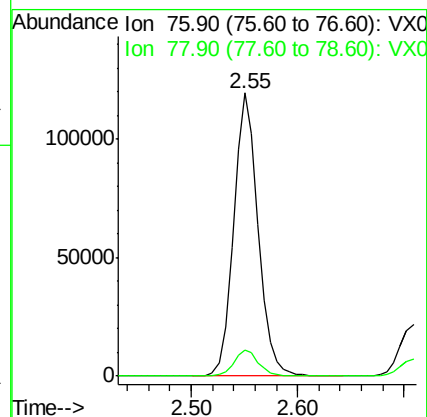
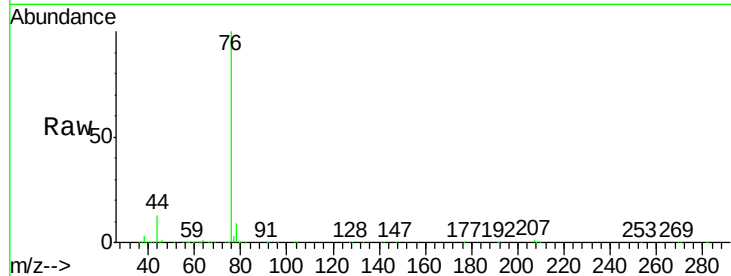
78 9.3 7.5 11.3

Manual Integrations

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5/5/2020 11:35:20 AM



#18

Methyl Acetate

Concen: 17.524 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX016031.D

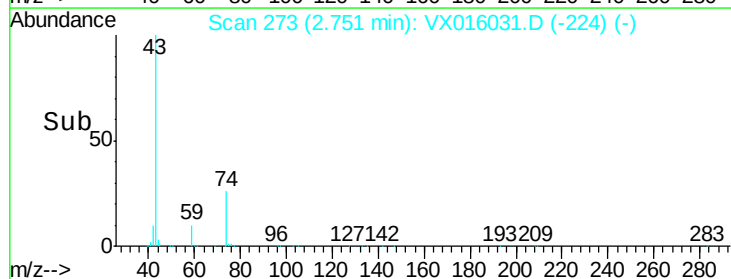
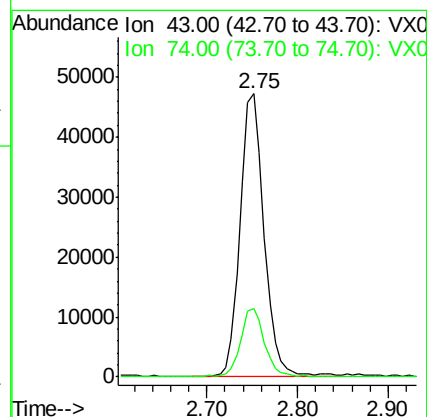
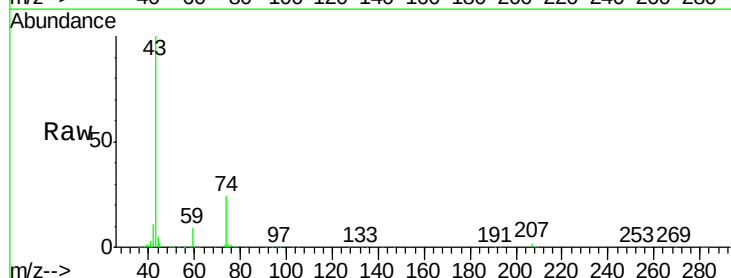
Acq: 04 May 2020 12:25

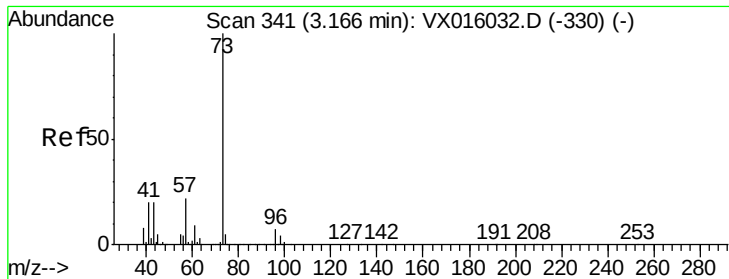
Tgt Ion: 43 Resp: 86325

Ion Ratio Lower Upper

43 100

74 24.8 20.2 30.2





#19

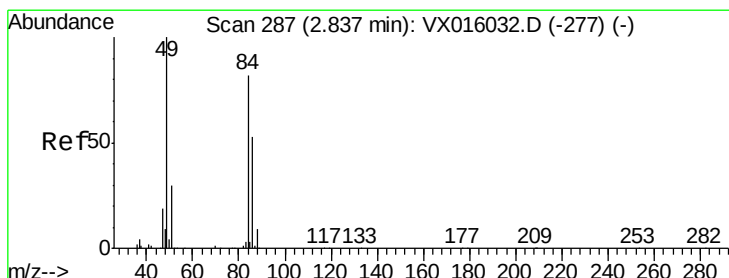
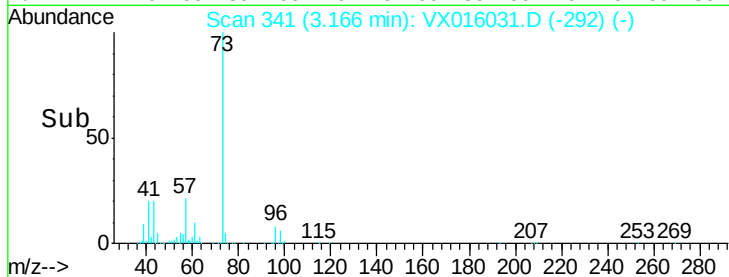
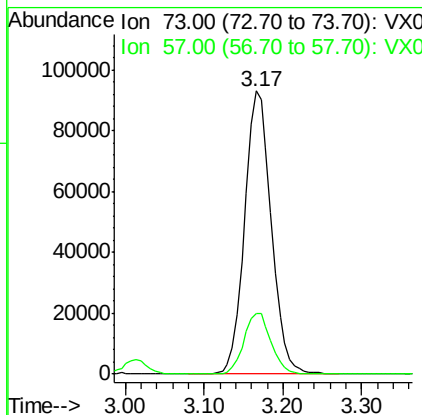
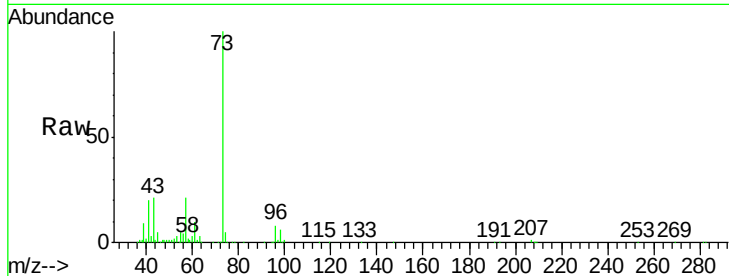
Methyl tert-butyl Ether
 Concen: 17.925 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VX016031.D
 Acq: 04 May 2020 12:25

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.8	26.6

Manual Integrations
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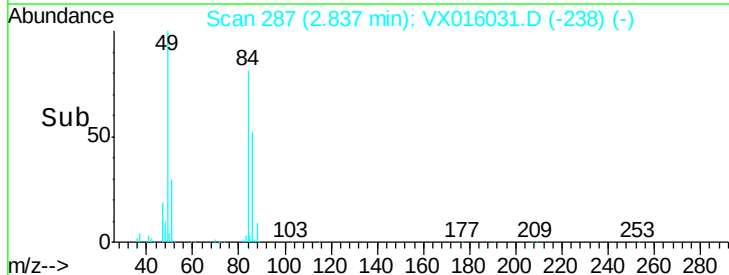
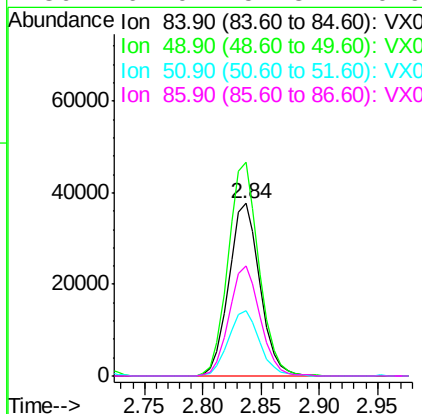
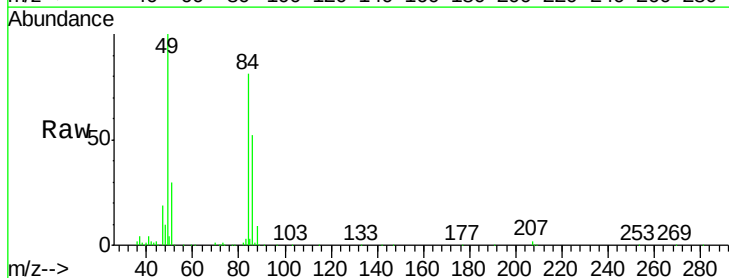
MMDadoda
 5/5/2020 11:35:20 AM

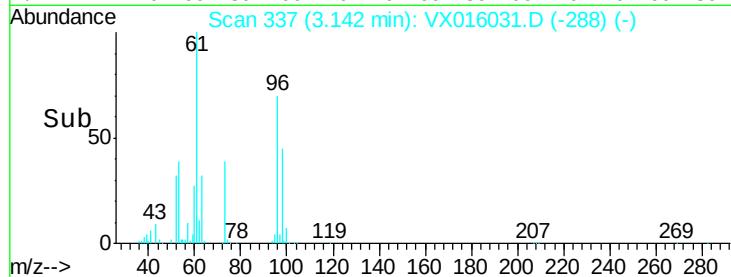
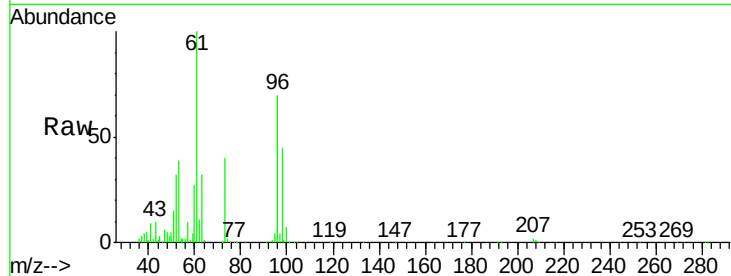
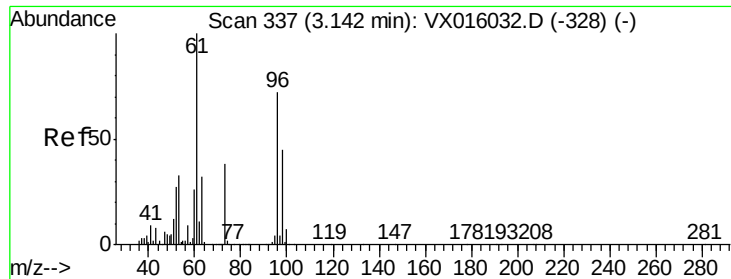


#20

Methylene Chloride
 Concen: 16.601 ug/l
 RT: 2.84 min Scan# 287
 Delta R.T. -0.00 min
 Lab File: VX016031.D
 Acq: 04 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.8	97.3	145.9
51	37.6	29.3	43.9
86	64.0	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 16.665 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Tot Ion:	96	Resp:	66439
Ion	Ratio	Lower	Upper
96	100		
61	142.7	111.2	166.8
98	64.6	50.2	75.4

Instrument :

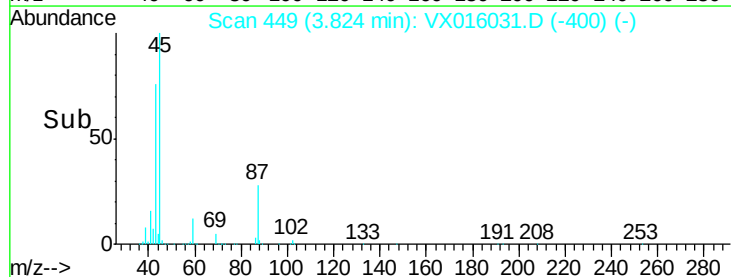
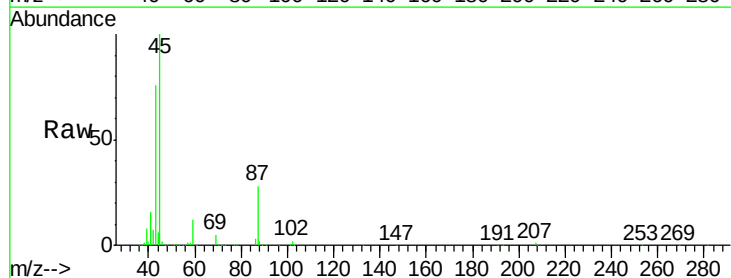
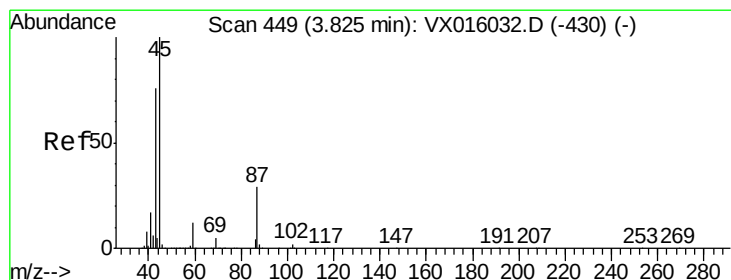
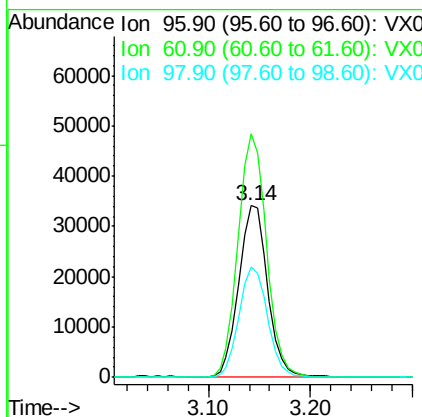
MSVOA_X

ClientSampleId :

VSTDIC020

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5/5/2020 11:35:20 AM



#22

Diisopropyl ether

Concen: 17.626 ug/l

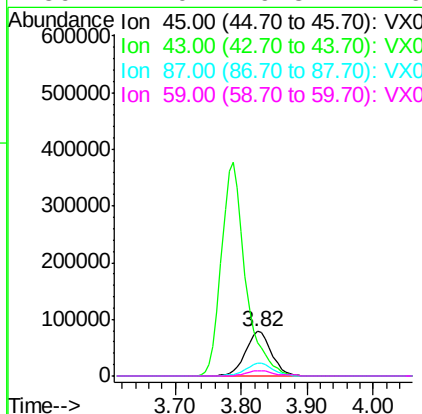
RT: 3.82 min Scan# 449

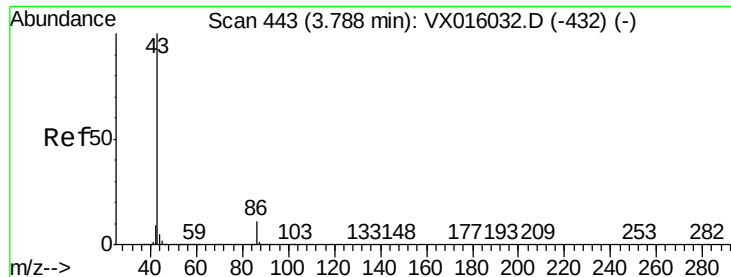
Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Tgt Ion:	45	Resp:	215598
Ion	Ratio	Lower	Upper
45	100		
43	75.5	61.1	91.7
87	27.9	23.0	34.6
59	12.0	9.8	14.6





#23

Vinyl Acetate

Concen: 90.303 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA_X

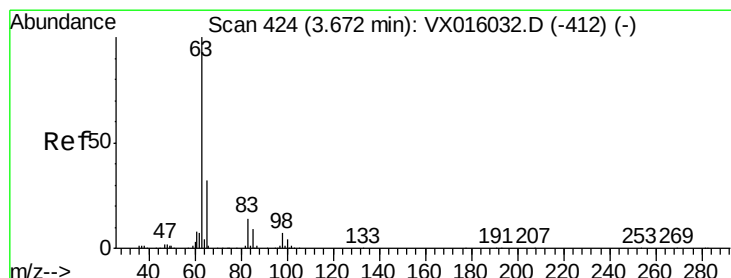
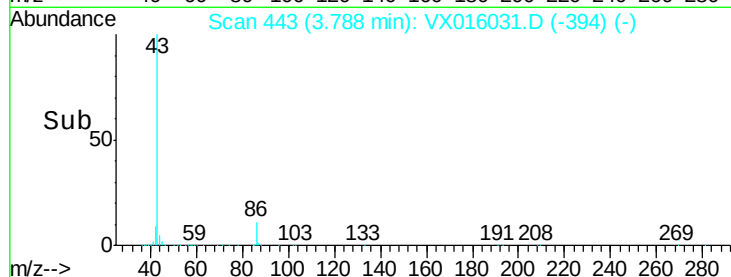
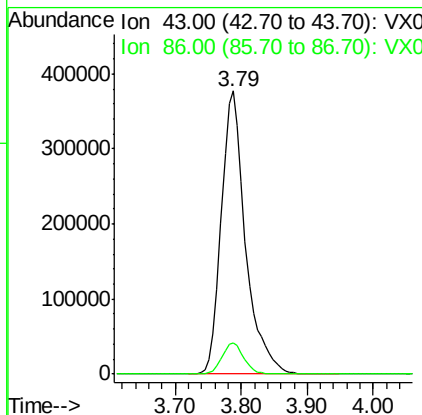
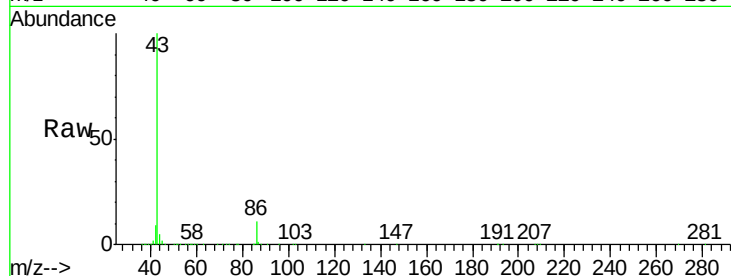
ClientSampleId :

VSTDIC020

Tot Ion	43	Resp	956130
Ion Ratio	100	Lower	Upper
43	100		
86	11.1	9.0	13.4

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 17.649 ug/l

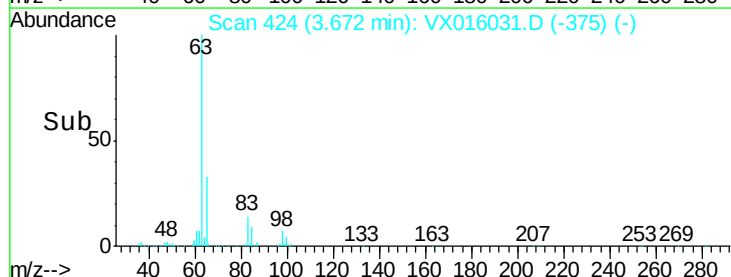
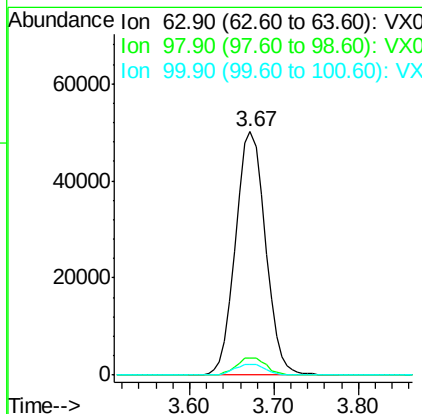
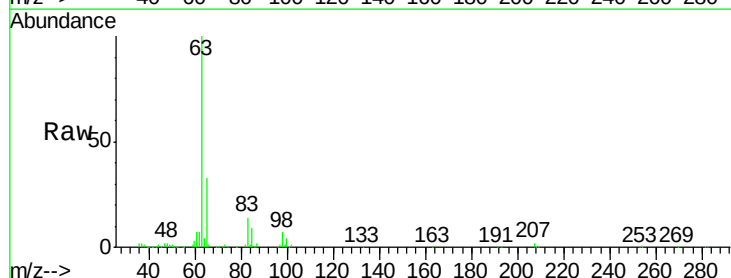
RT: 3.67 min Scan# 424

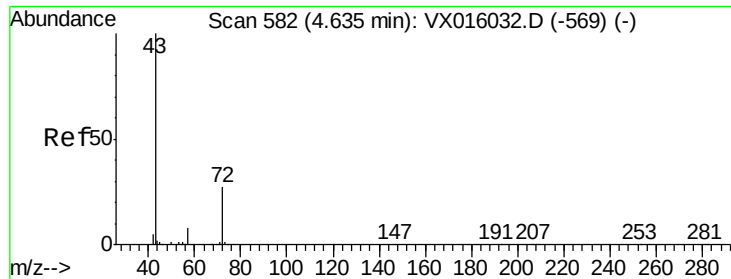
Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Tgt Ion	63	Resp	120397
Ion Ratio	100	Lower	Upper
63	100		
98	7.2	3.5	10.5
100	4.3	2.1	6.5





#25

2-Butanone

Concen: 89.872 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 283898

Ion Ratio Lower Upper

43 100

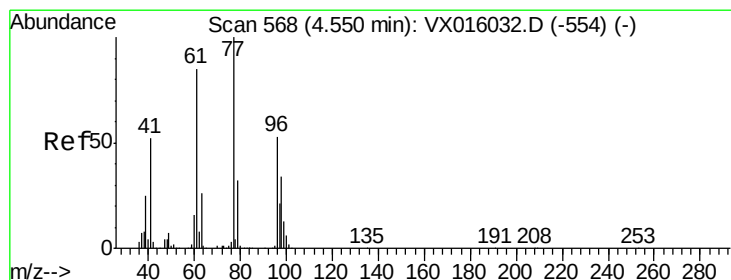
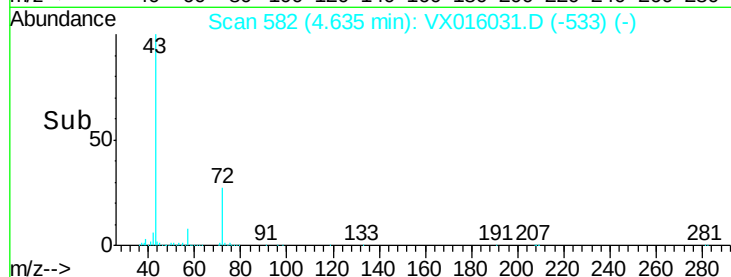
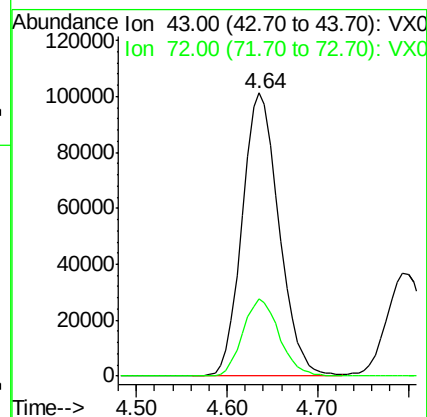
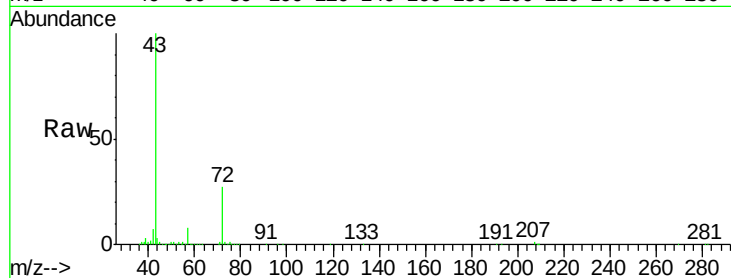
72 27.2 21.8 32.8

Manual Integrations

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5/5/2020 11:35:20 AM



#26

2,2-Dichloropropane

Concen: 17.414 ug/l

RT: 4.56 min Scan# 569

Delta R.T. 0.01 min

Lab File: VX016031.D

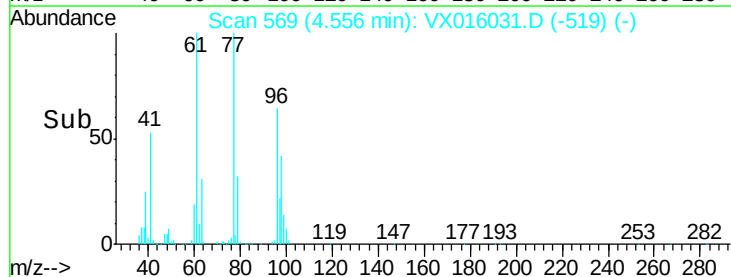
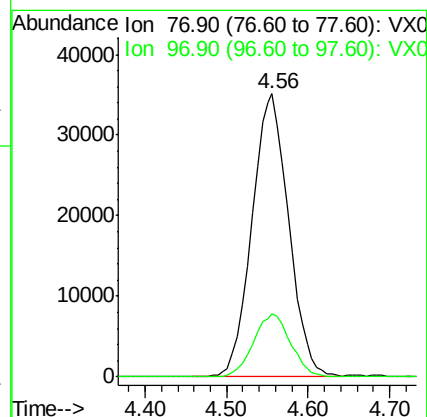
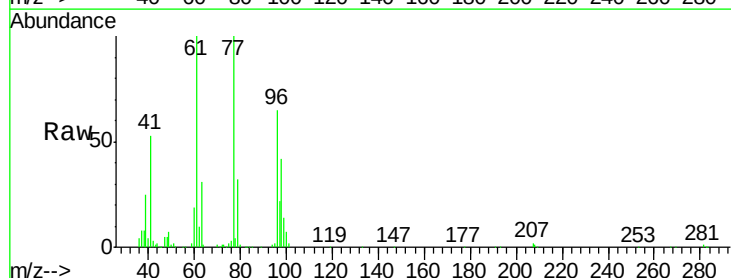
Acq: 04 May 2020 12:25

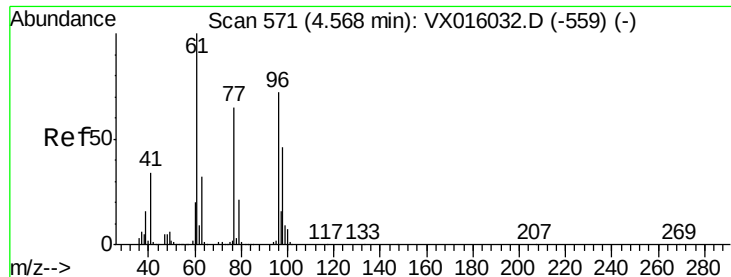
Tgt Ion: 77 Resp: 109921

Ion Ratio Lower Upper

77 100

97 22.5 11.2 33.6





#27

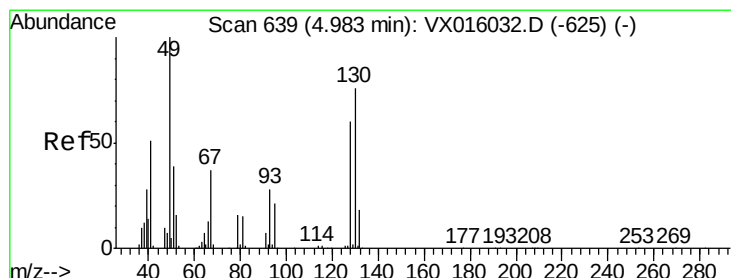
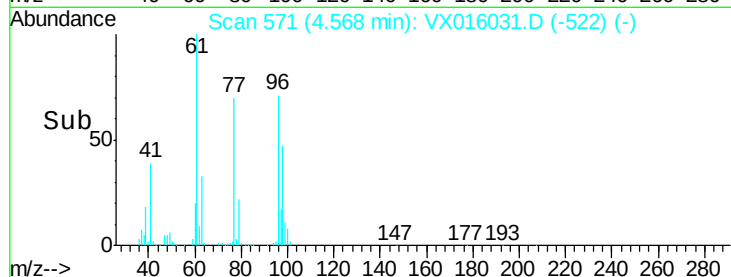
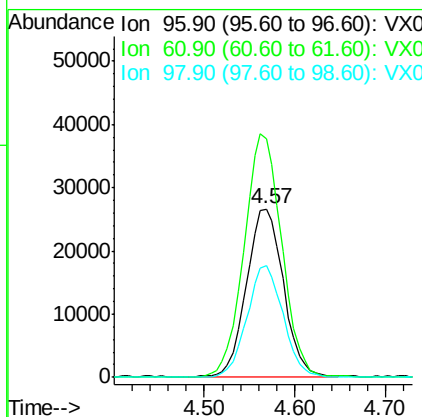
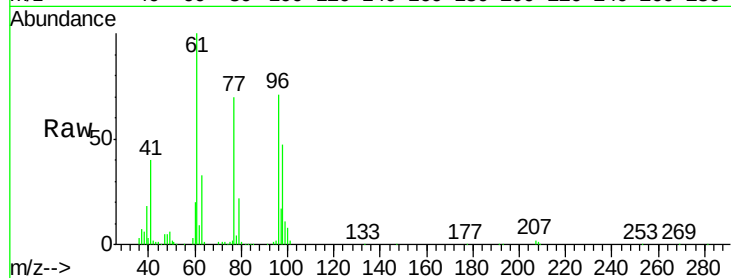
cis-1,2-Dichloroethene
Concen: 17.431 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX016031.D
Acq: 04 May 2020 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	74801		
61	148.0		0.0	296.2
98	65.2		0.0	129.4

Manual Integrations
APPROVED

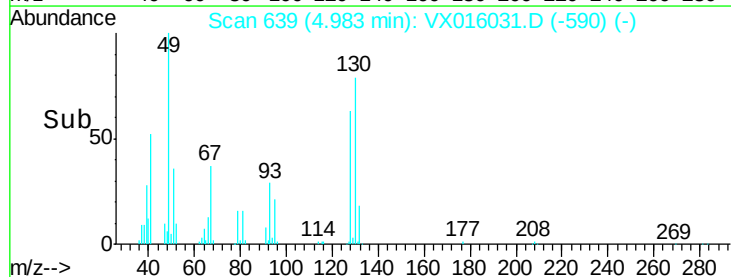
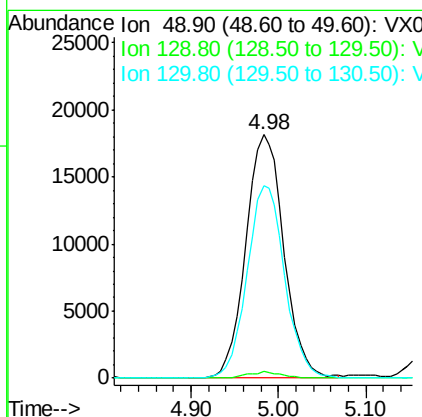
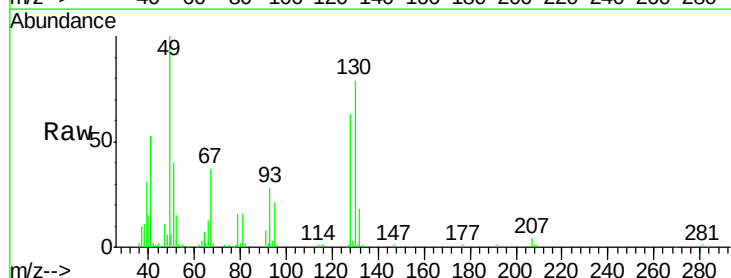
MMDadoda
5/5/2020 11:35:20 AM

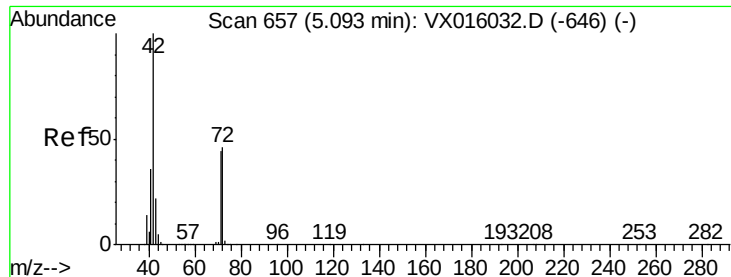


#28

Bromochloromethane
Concen: 17.796 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX016031.D
Acq: 04 May 2020 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	54999		
129	2.3		0.0	4.0
130	78.0		62.4	93.6





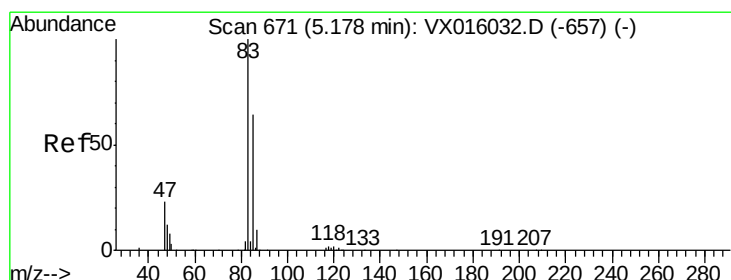
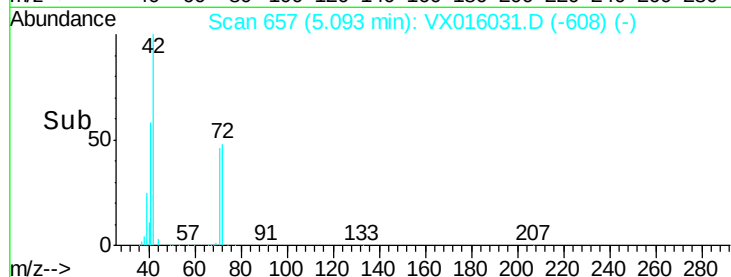
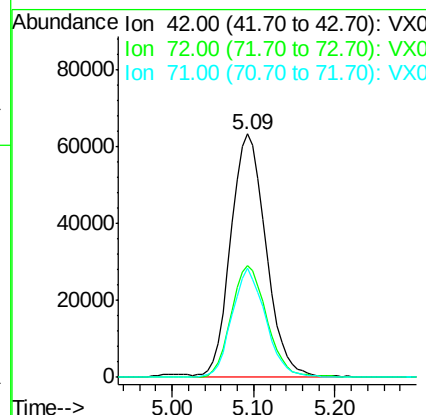
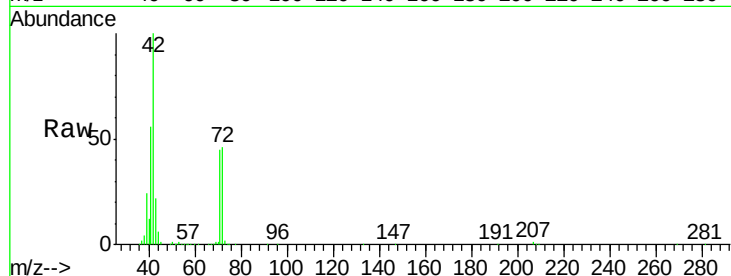
#29
Tetrahydrofuran
Concen: 89.493 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX016031.D
Acq: 04 May 2020 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	37.1	55.7
71	43.1	34.5	51.7

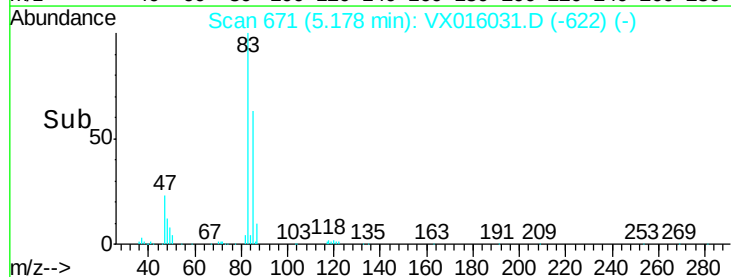
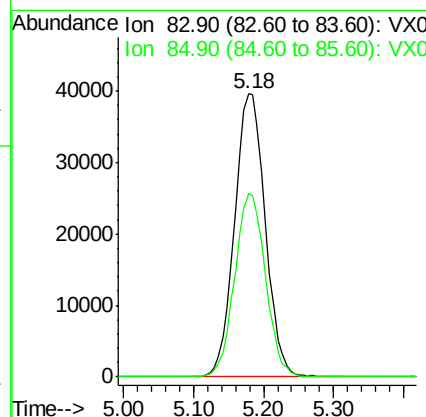
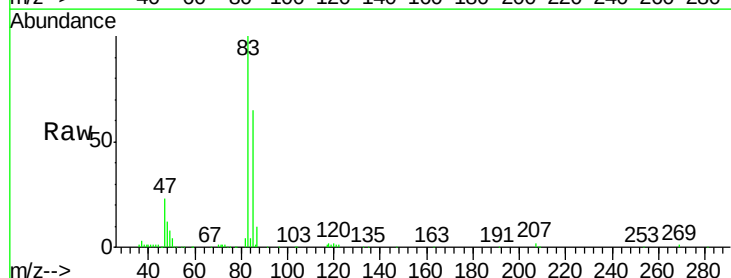
Manual Integrations
APPROVED

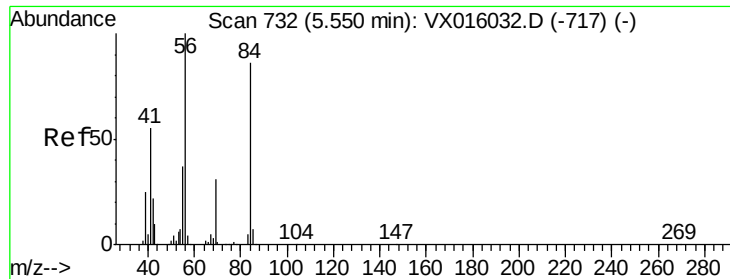
MMDadoda
5/5/2020 11:35:20 AM



#30
Chloroform
Concen: 17.731 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX016031.D
Acq: 04 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.6	77.4





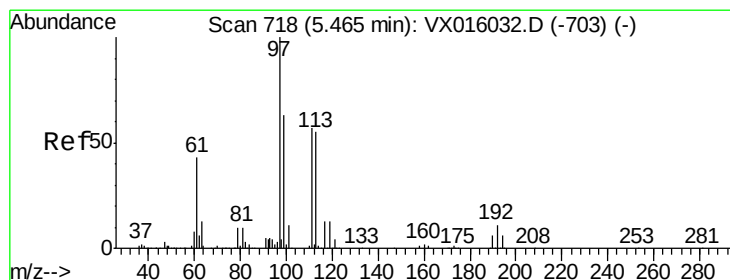
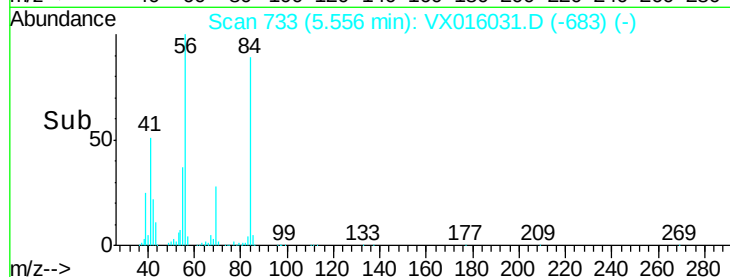
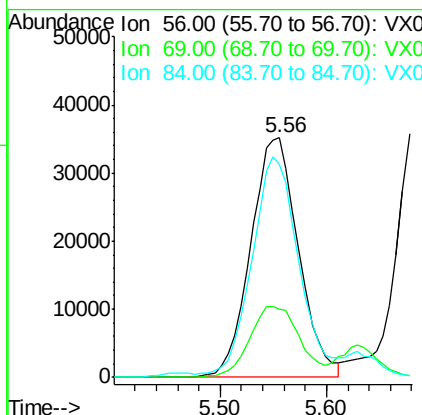
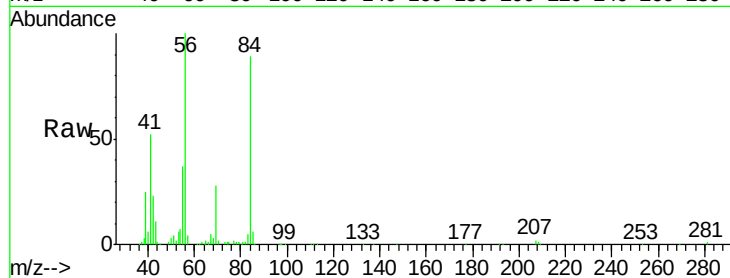
#31
Cyclohexane
Concen: 17.272 ug/l
RT: 5.56 min Scan# 733
Delta R.T. 0.01 min
Lab File: VX016031.D
Acq: 04 May 2020 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.2	25.0	37.6
84	87.6	69.0	103.6

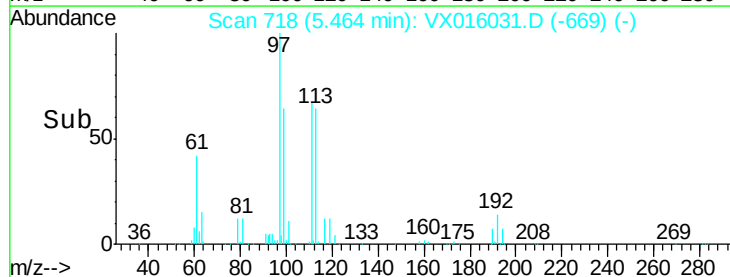
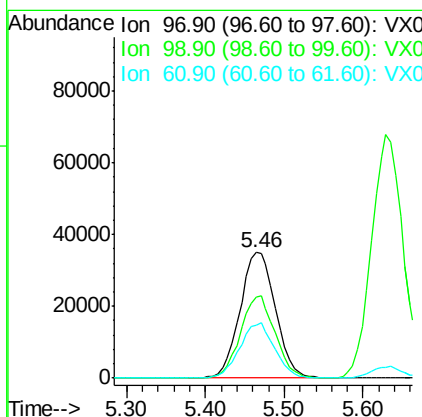
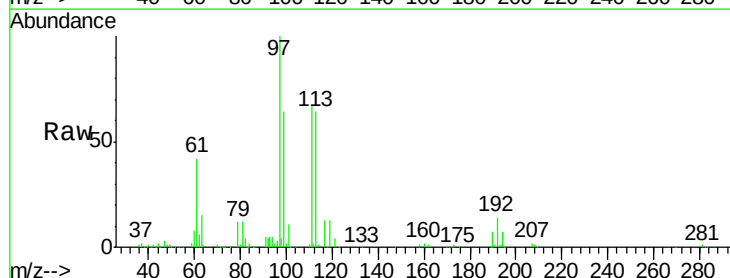
Manual Integrations
APPROVED

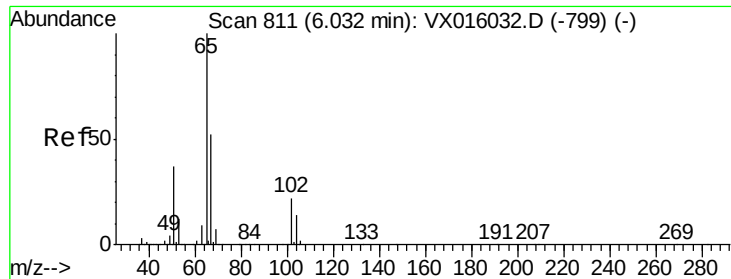
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 17.725 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX016031.D
Acq: 04 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.0	76.4
61	43.3	34.5	51.7





#33

1,2-Dichloroethane-d4

Concen: 16.943 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 87510

Ion Ratio Lower Upper

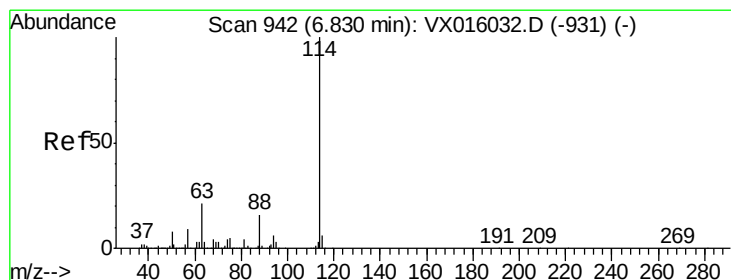
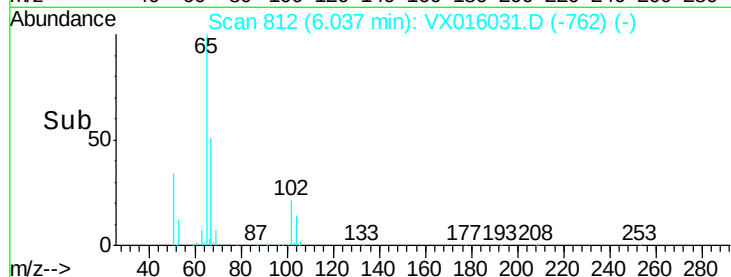
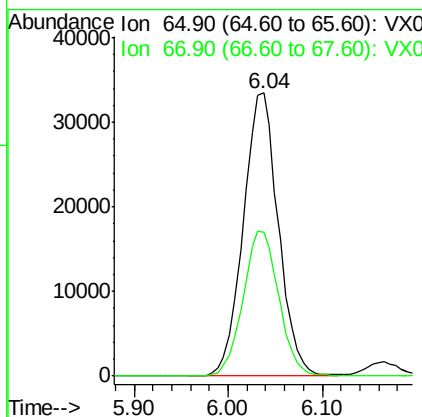
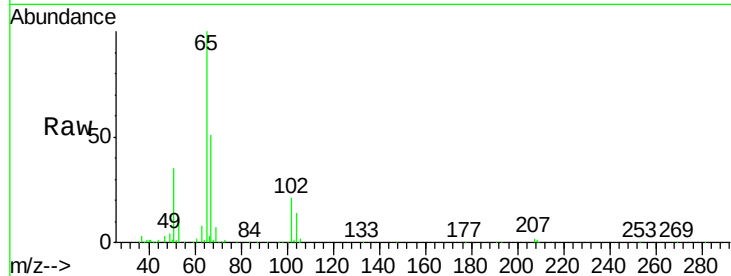
65 100

67 52.5 0.0 104.8

Manual Integrations
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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

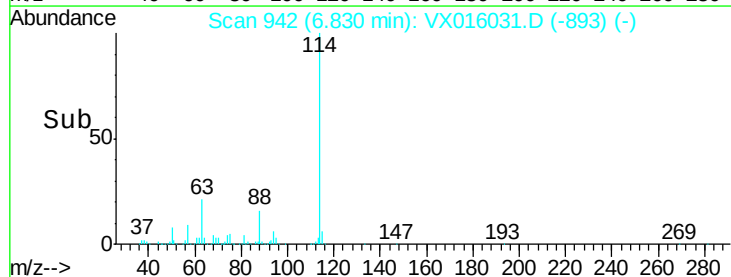
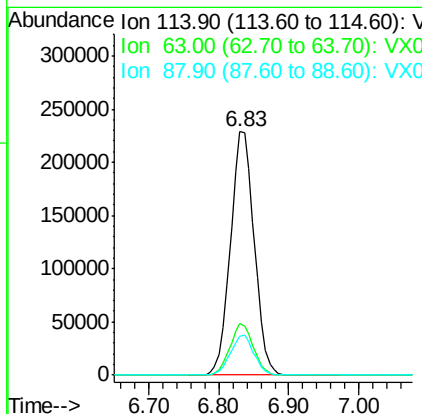
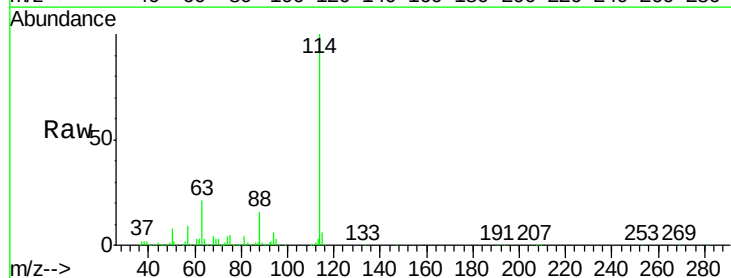
Tgt Ion: 114 Resp: 539654

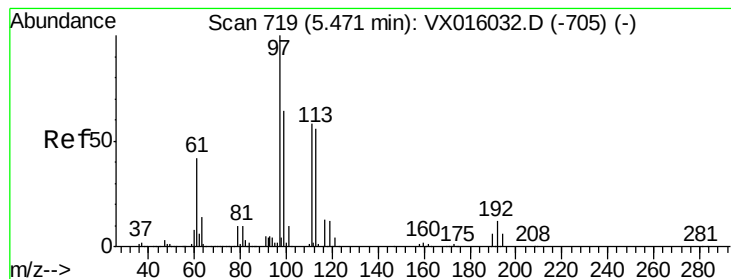
Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.8

88 16.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 17.517 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA_X

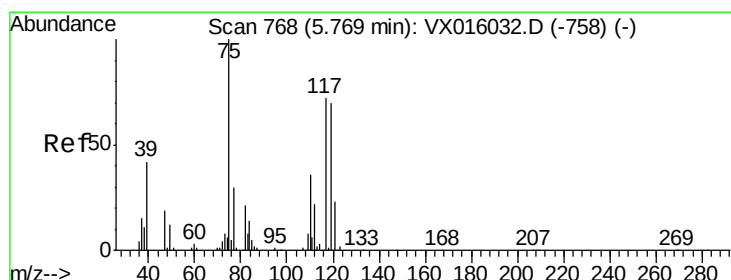
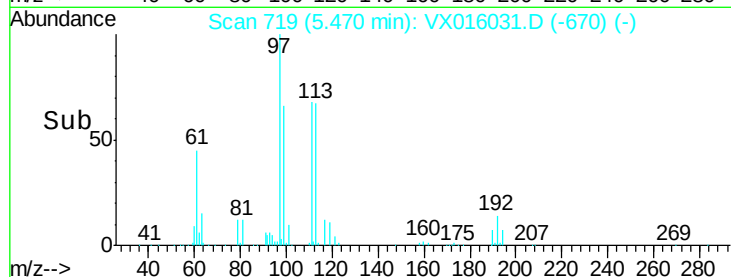
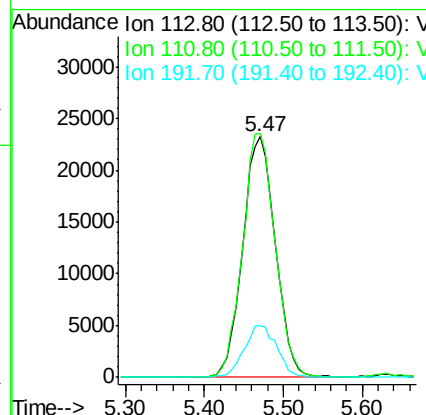
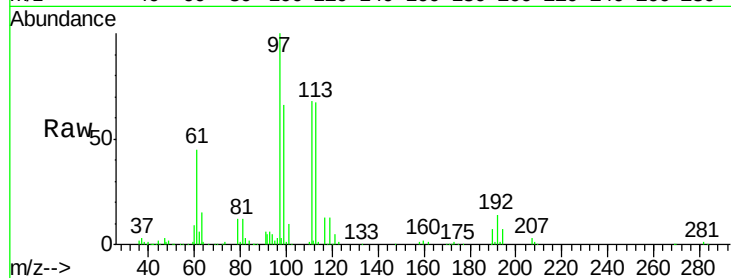
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	66826
Ion Ratio	Lower	Upper	
113	100		
111	101.3	81.6	122.4
192	21.5	17.0	25.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 17.121 ug/l

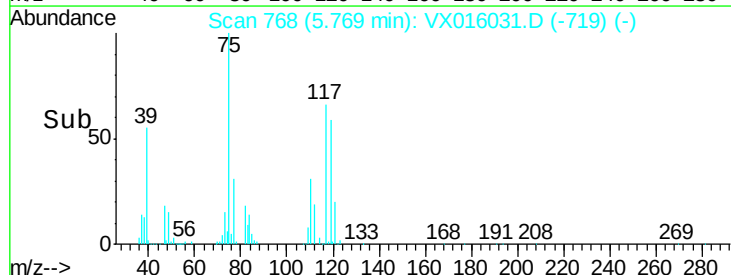
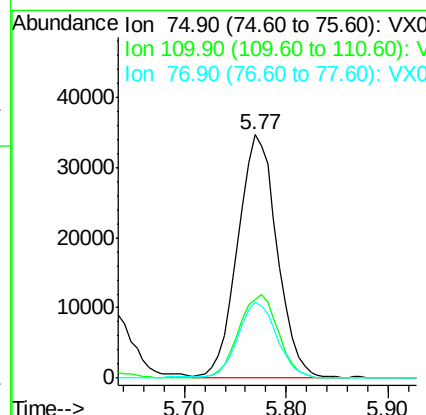
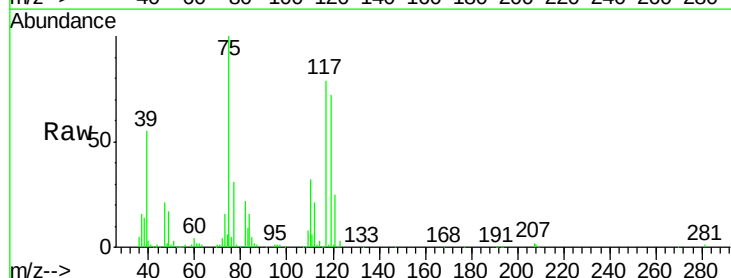
RT: 5.77 min Scan# 768

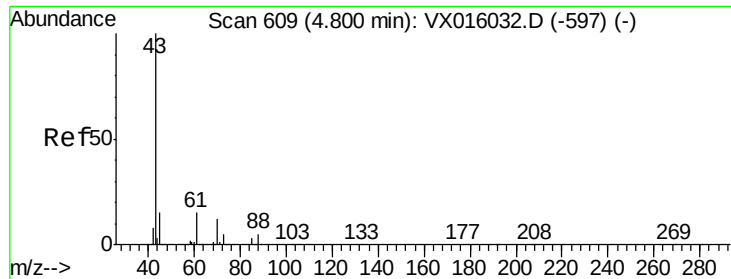
Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Tgt Ion:	75	Resp:	92222
Ion Ratio	Lower	Upper	
75	100		
110	34.9	18.1	54.1
77	30.7	25.0	37.6





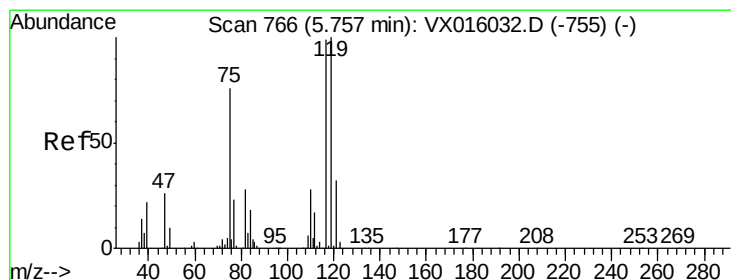
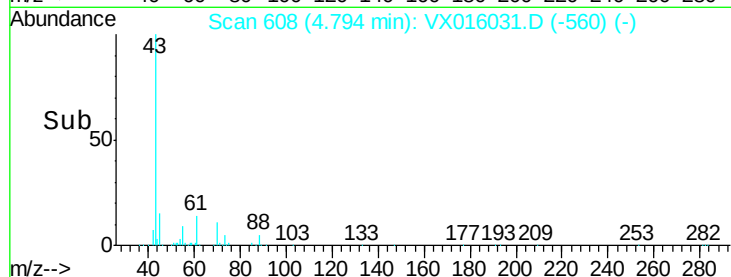
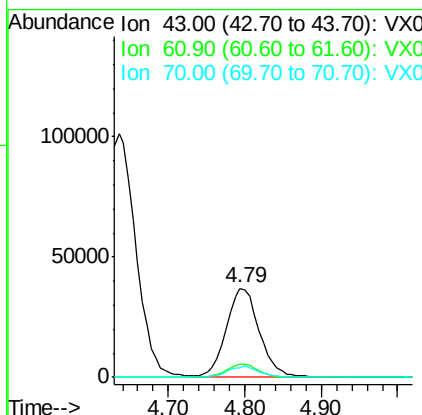
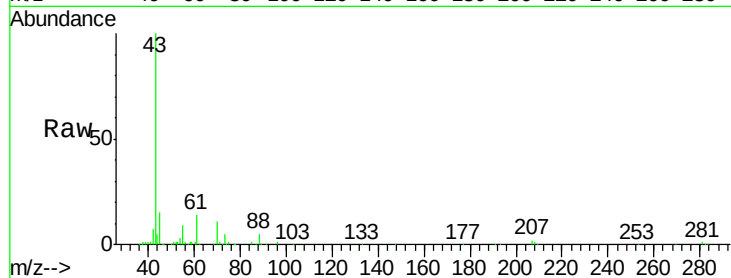
#37
Ethyl Acetate
Concen: 17.968 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX016031.D
Acq: 04 May 2020 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:	43	Resp:	110218
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.7	17.5
70	12.0	9.3	13.9

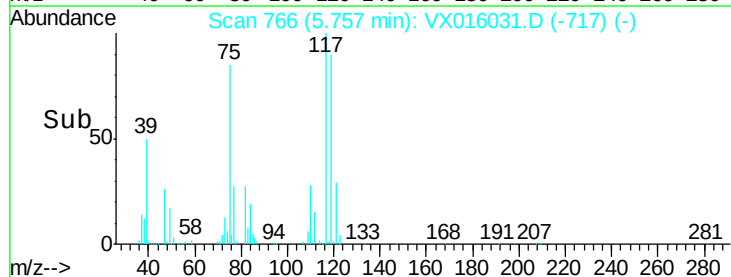
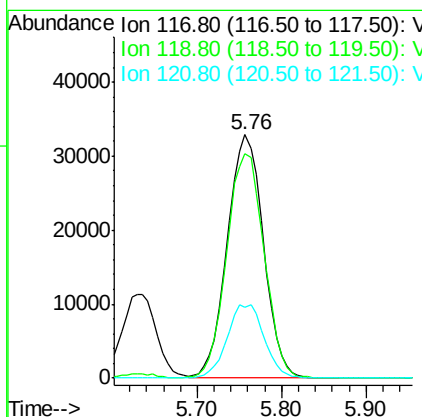
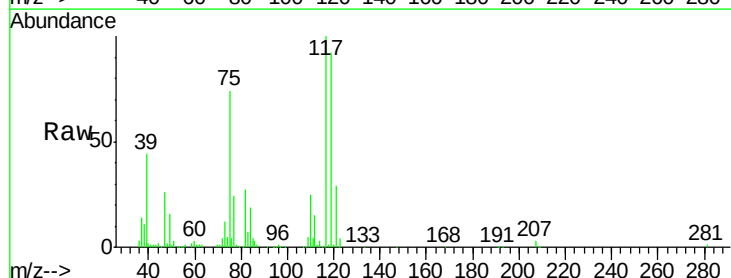
Manual Integrations
APPROVED

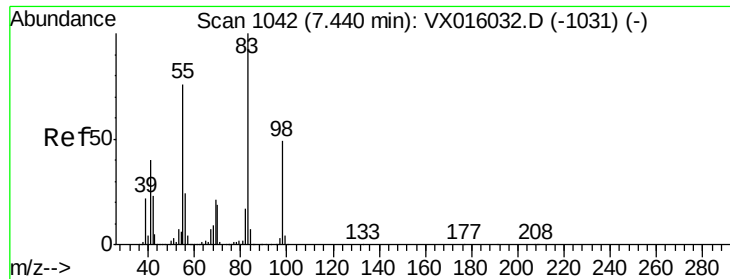
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#38
Carbon Tetrachloride
Concen: 17.699 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX016031.D
Acq: 04 May 2020 12:25

Tgt Ion:	117	Resp:	95807
Ion	Ratio	Lower	Upper
117	100		
119	91.9	80.3	120.5
121	29.2	25.7	38.5





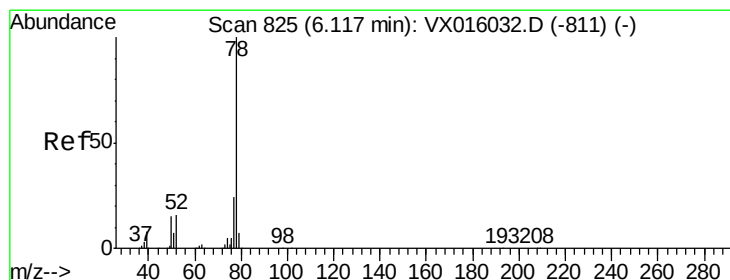
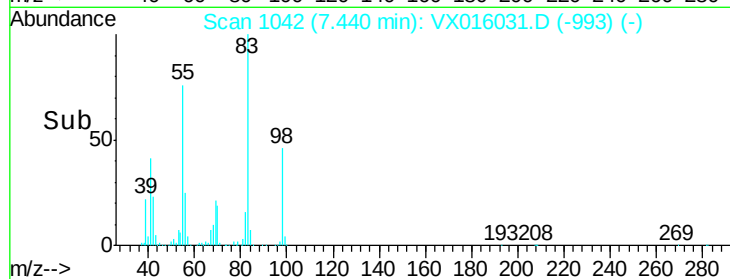
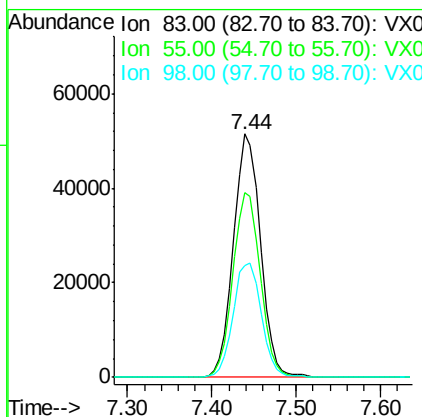
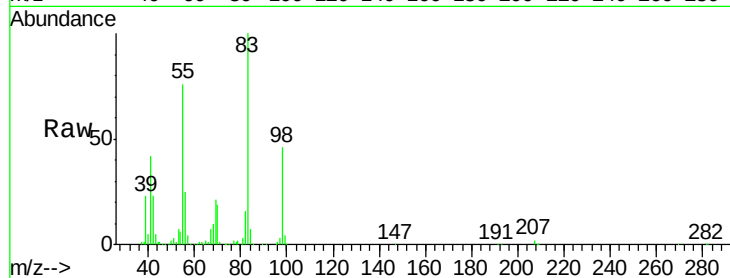
#39
Methylvlcyclohexane
Concen: 17.394 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016031.D
Acq: 04 May 2020 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	61.1	91.7
98	45.8	39.0	58.4

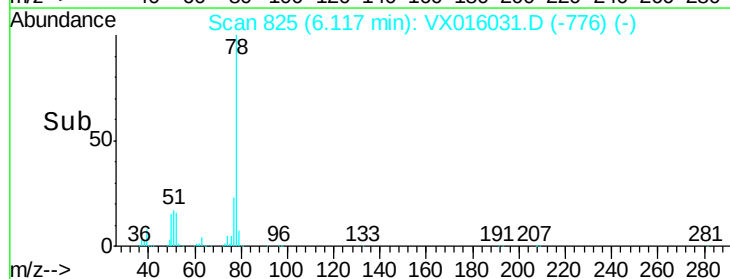
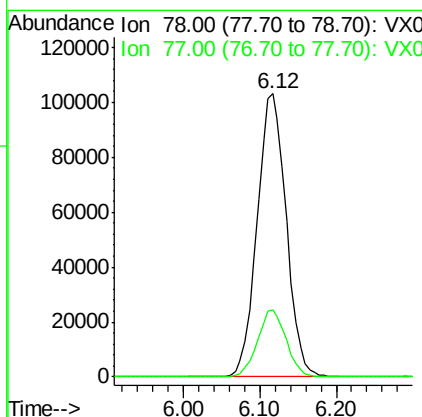
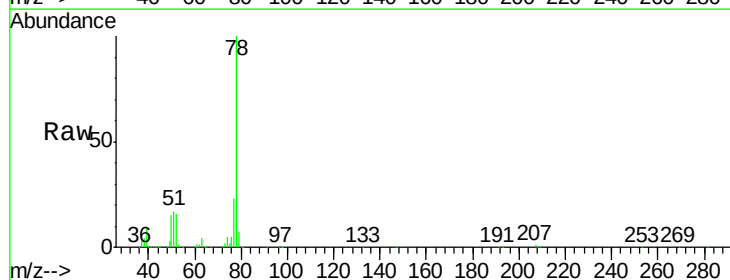
Manual Integrations
APPROVED

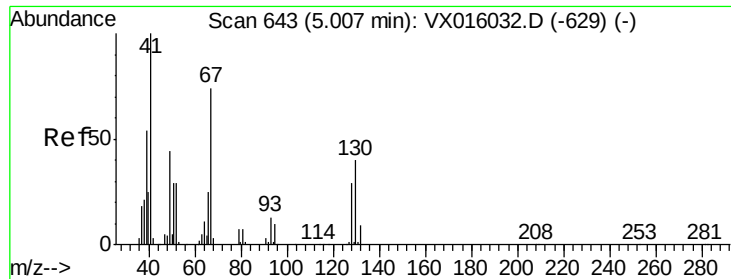
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#40
Benzene
Concen: 17.340 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX016031.D
Acq: 04 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4





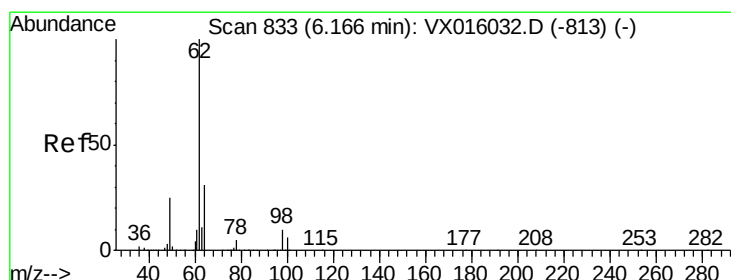
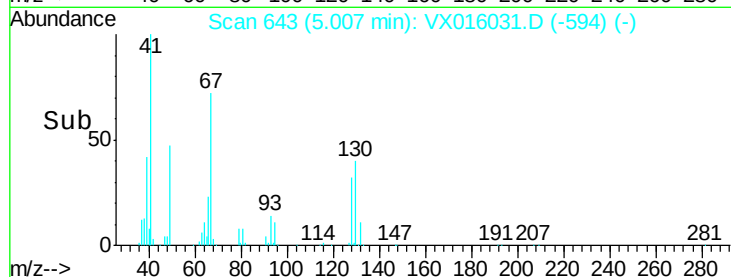
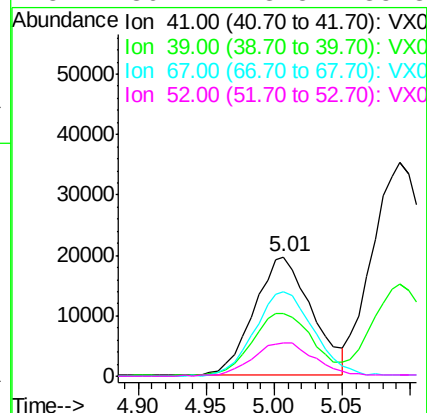
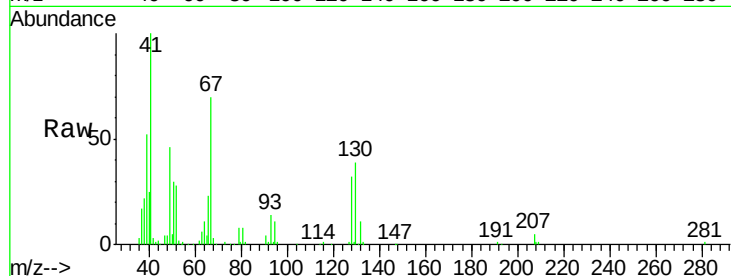
#41
Methacrylonitrile
Concen: 17.571 ug/l
RT: 5.01 min Scan# 643
Delta R.T. -0.00 min
Lab File: VX016031.D
Acq: 04 May 2020 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.6	43.2	64.8
67	74.1	59.3	88.9
52	30.1	23.5	35.3

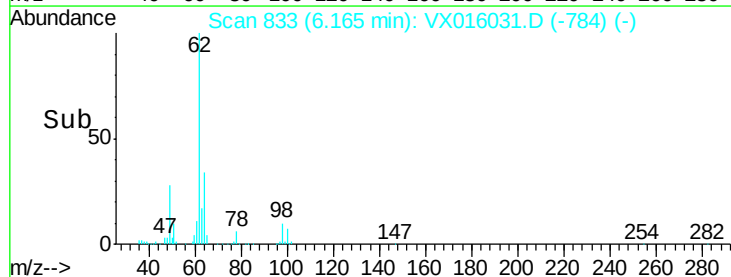
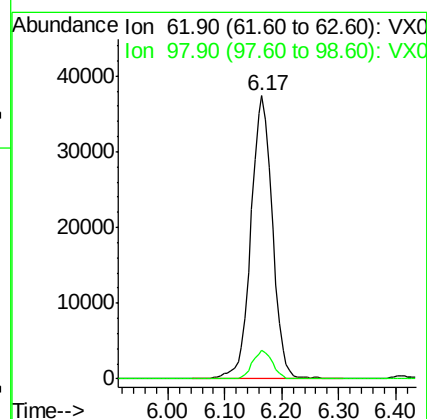
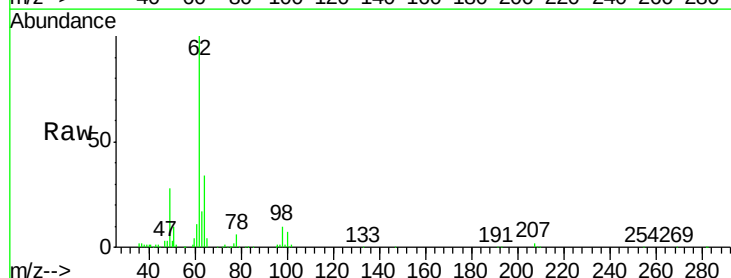
Manual Integrations
APPROVED

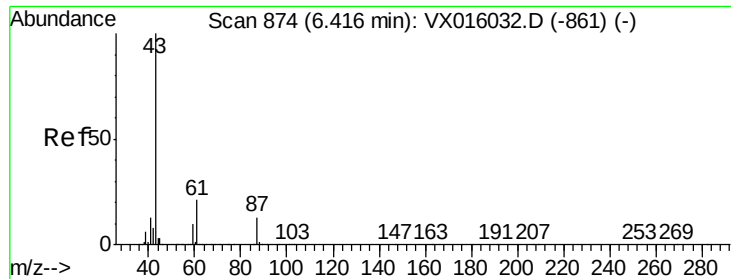
MMDadoda
5/5/2020 11:35:20 AM



#42
1,2-Dichloroethane
Concen: 17.209 ug/l
RT: 6.17 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX016031.D
Acq: 04 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.4





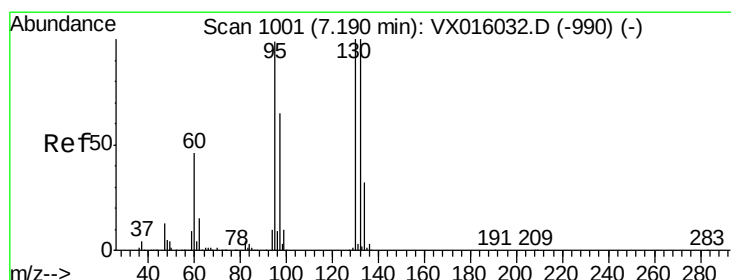
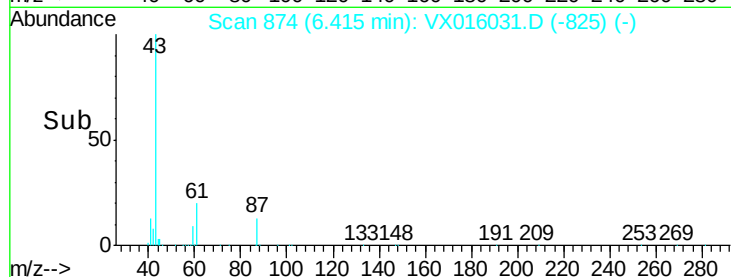
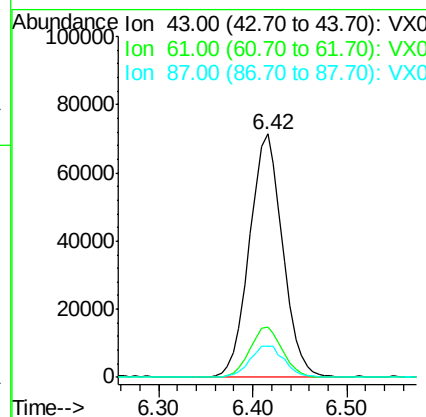
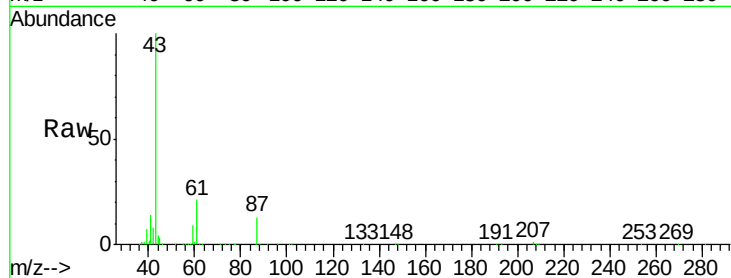
#43
Isopropyl Acetate
Concen: 17.919 ug/l
RT: 6.42 min Scan# 874
Delta R.T. -0.00 min
Lab File: VX016031.D
Acq: 04 May 2020 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	17.0	25.4
87	13.7	11.0	16.6

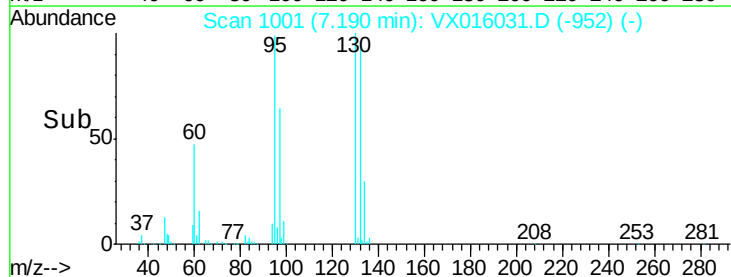
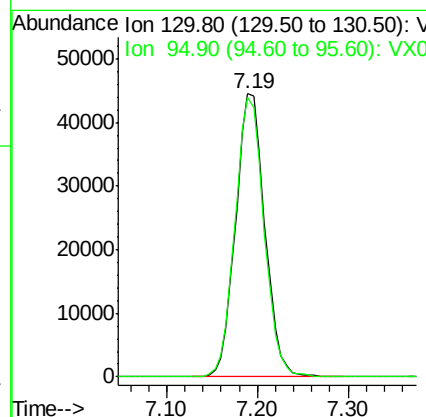
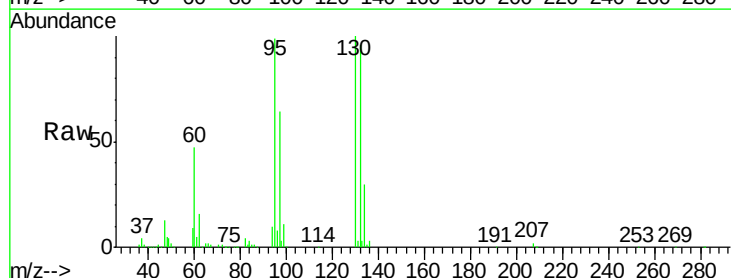
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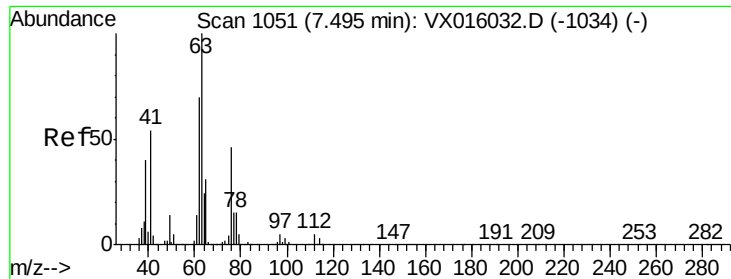
MMDadoda
5/5/2020 11:35:20 AM



#44
Trichloroethene
Concen: 17.051 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VX016031.D
Acq: 04 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	197.4





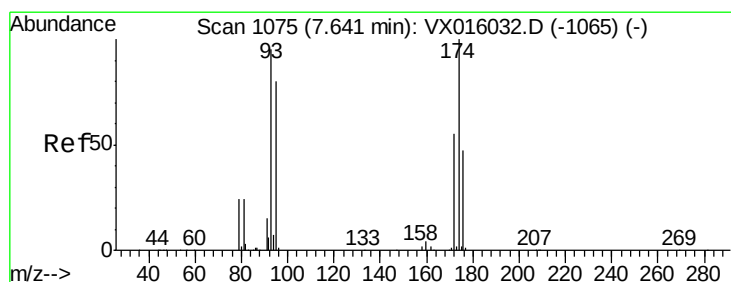
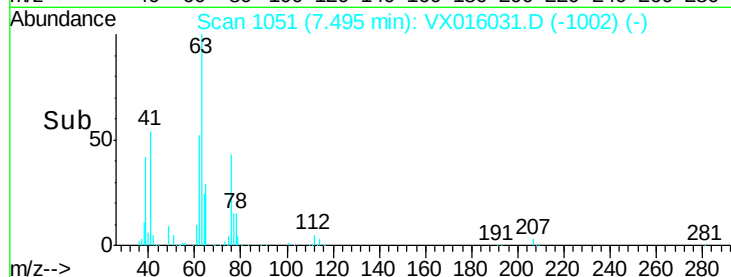
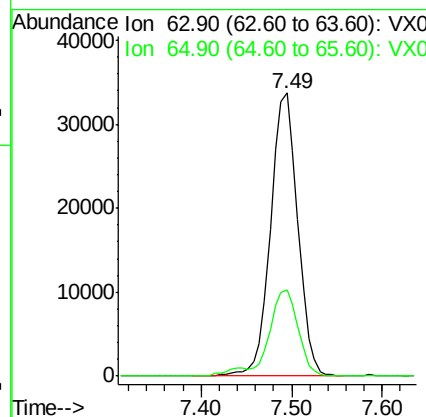
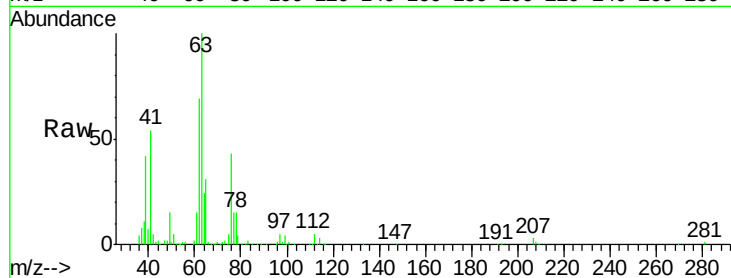
#45
 1,2-Dichloropropane
 Concen: 17.748 ug/l
 RT: 7.49 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VX016031.D
 Acq: 04 May 2020 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.4	36.6

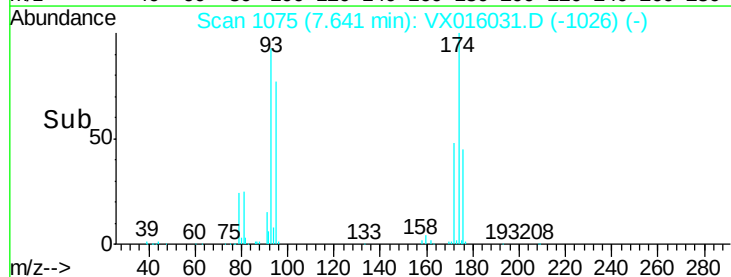
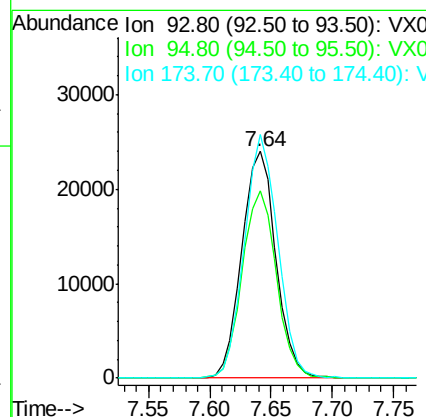
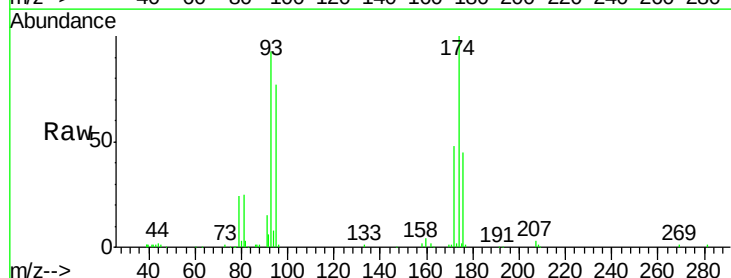
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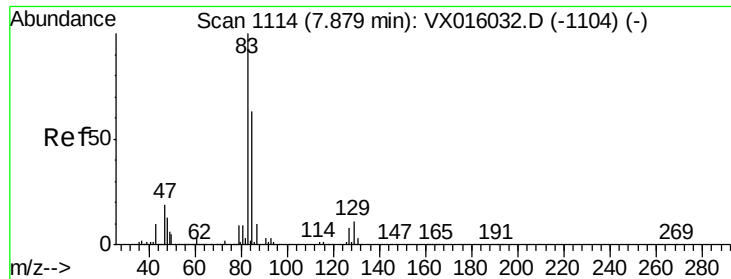
MMDadoda
 5/5/2020 11:35:20 AM



#46
 Dibromomethane
 Concen: 17.263 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VX016031.D
 Acq: 04 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	66.6	100.0
174	105.3	84.2	126.4





#47

Bromodichloromethane

Concen: 17.435 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA_X

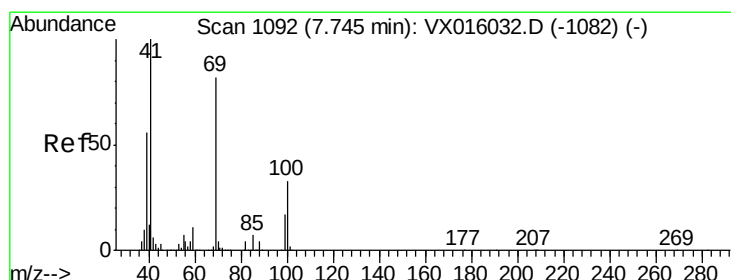
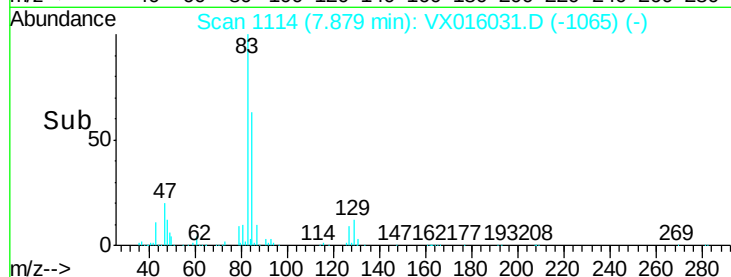
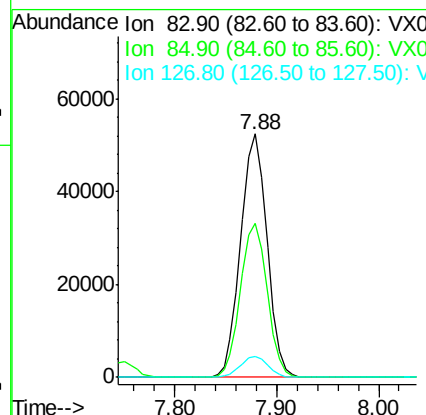
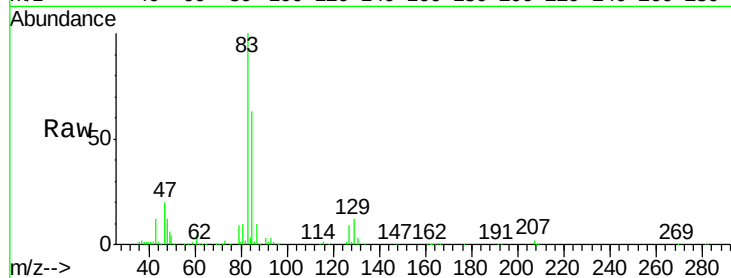
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	94233
Ion Ratio	Lower	Upper	
83	100		
85	63.5	50.5	75.7
127	8.8	6.7	10.1

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#48

Methyl methacrylate

Concen: 17.761 ug/l

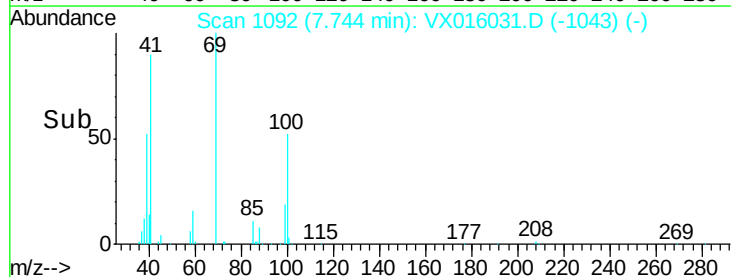
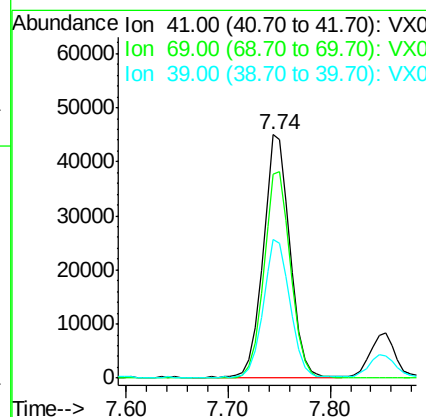
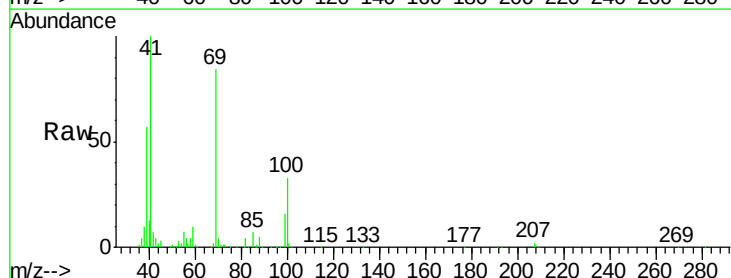
RT: 7.74 min Scan# 1092

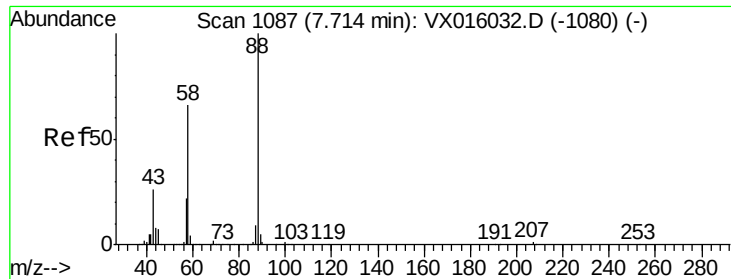
Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Tgt Ion:	41	Resp:	81576
Ion Ratio	Lower	Upper	
41	100		
69	85.3	67.8	101.6
39	57.0	44.6	67.0





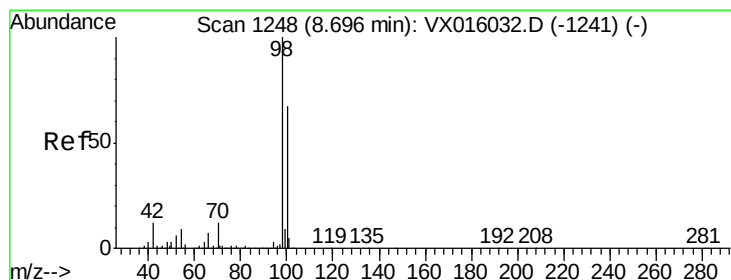
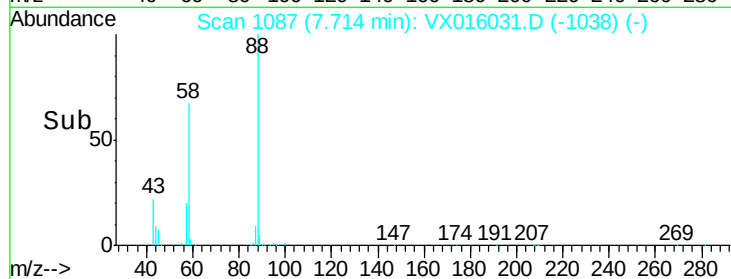
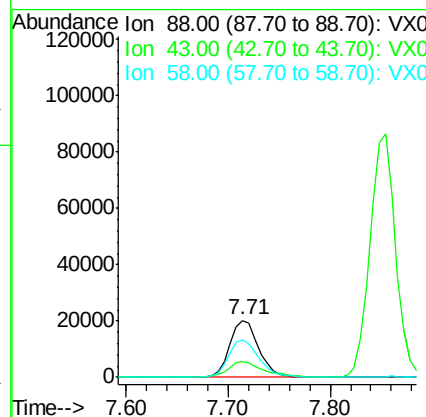
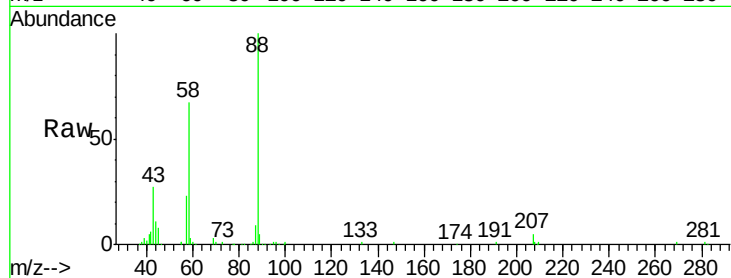
#49
1,4-Dioxane
Concen: 357.675 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX016031.D
Acq: 04 May 2020 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.7	25.3	37.9
58	70.5	55.9	83.9

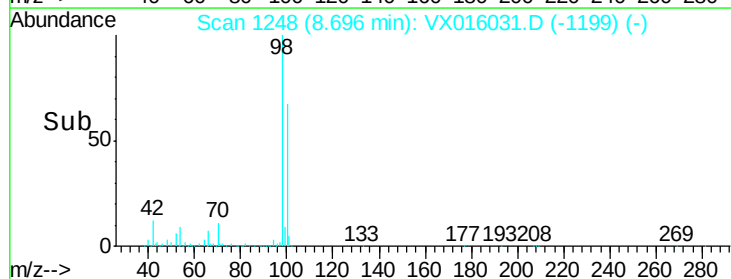
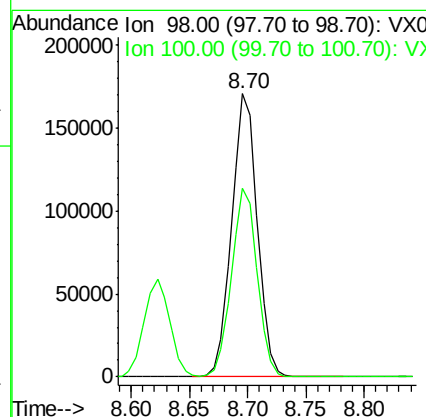
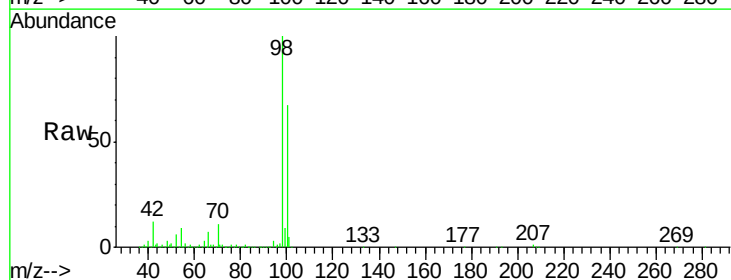
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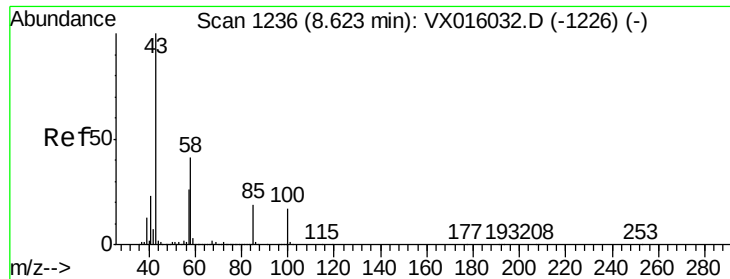
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#50
Toluene-d8
Concen: 18.354 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016031.D
Acq: 04 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 90.609 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 538476

Ion Ratio Lower Upper

43 100

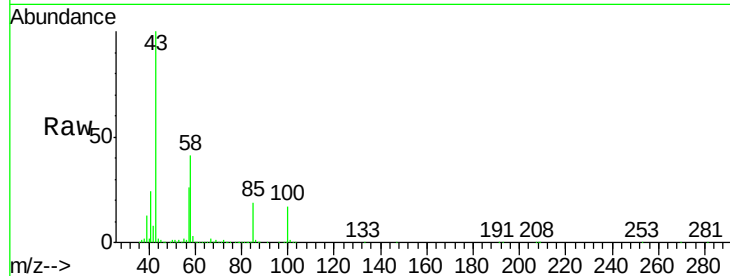
58 40.9 33.0 49.4

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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

400000

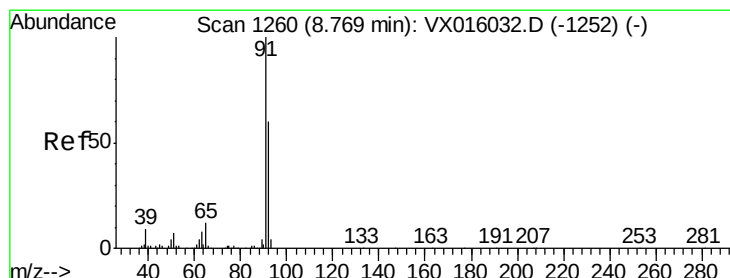
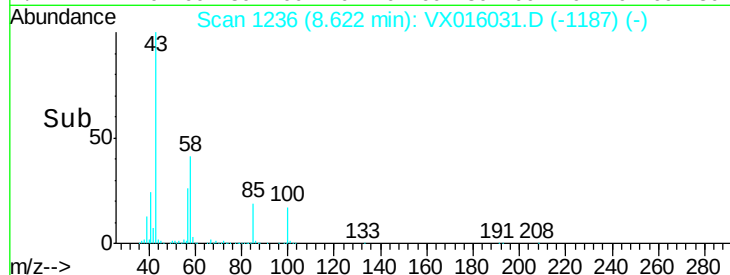
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 17.692 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016031.D

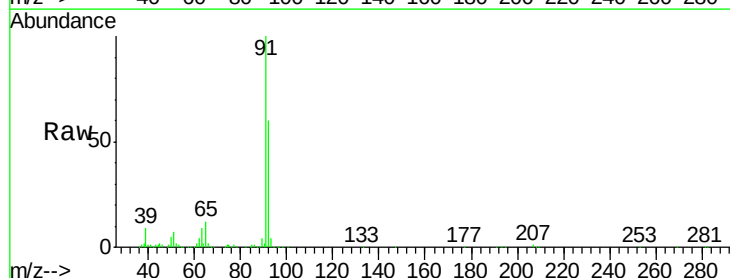
Acq: 04 May 2020 12:25

Tgt Ion: 92 Resp: 171844

Ion Ratio Lower Upper

92 100

91 167.7 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.77

200000

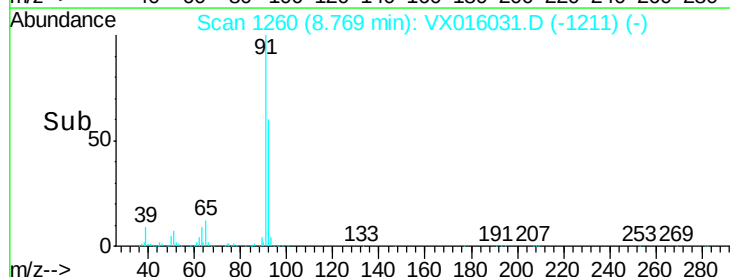
150000

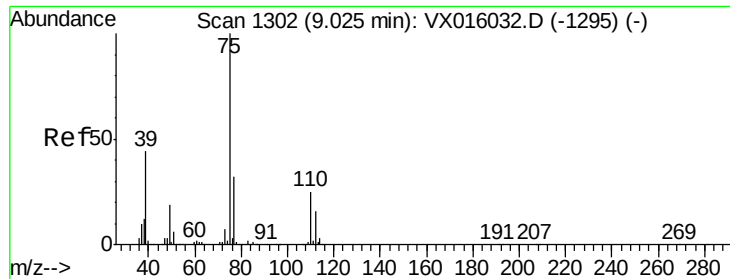
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.338 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 112129

Ion Ratio Lower Upper

75 100

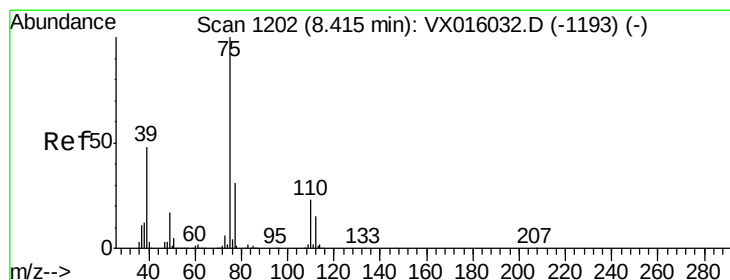
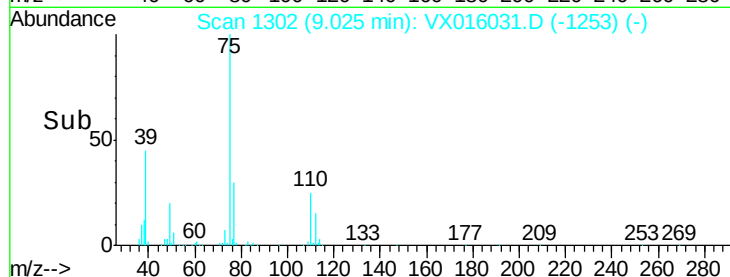
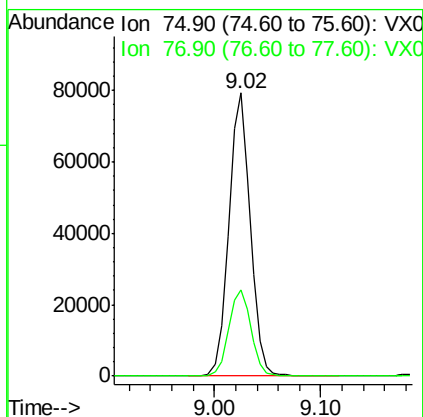
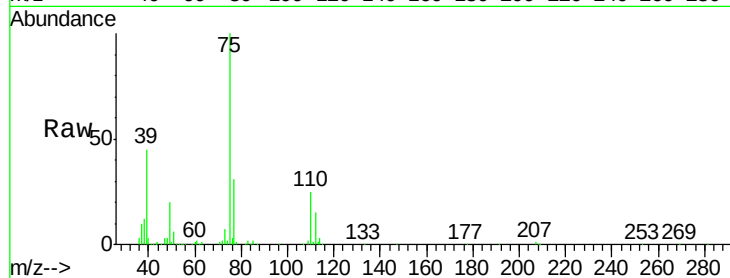
77 30.4 25.7 38.5

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#54

cis-1,3-Dichloropropene

Concen: 17.277 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

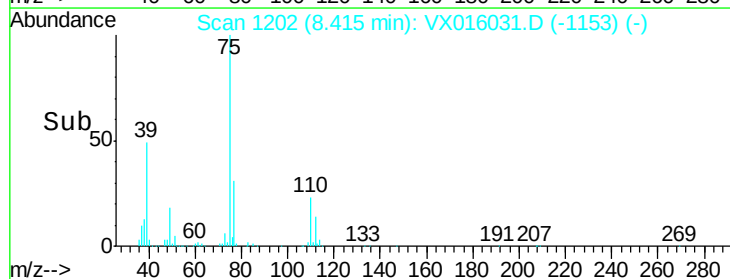
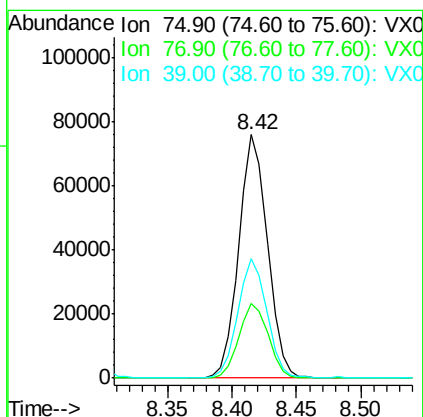
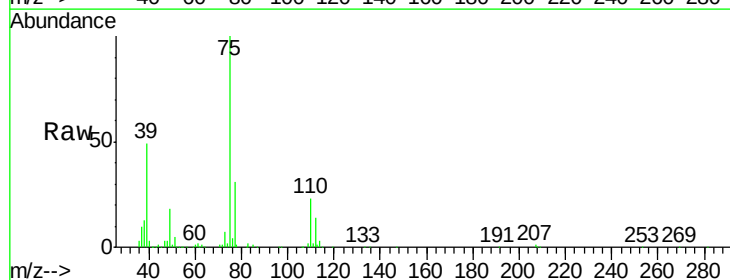
Tgt Ion: 75 Resp: 117394

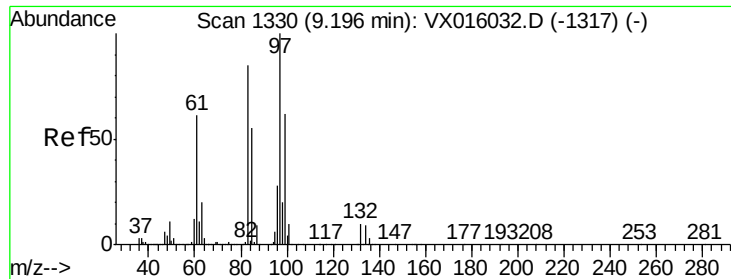
Ion Ratio Lower Upper

75 100

77 30.9 24.7 37.1

39 48.6 38.7 58.1





#55

1,1,2-Trichloroethane

Concen: 17.535 ug/l

RT: 9.20 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA_X

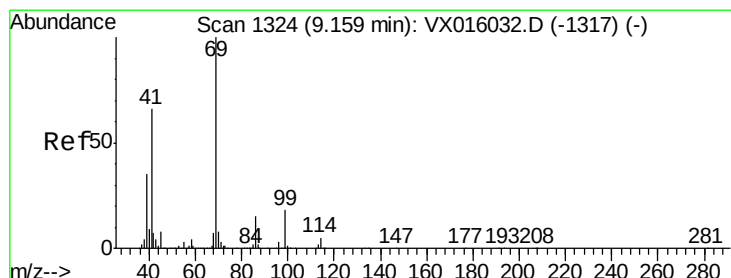
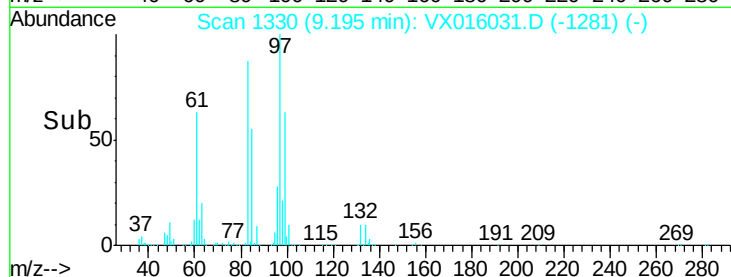
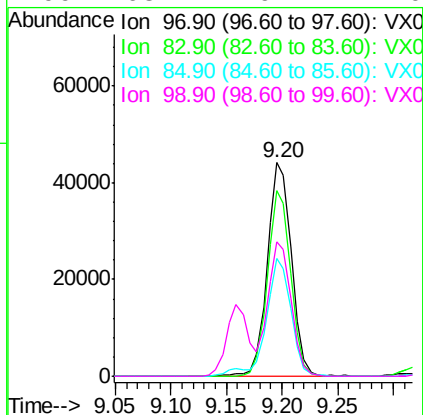
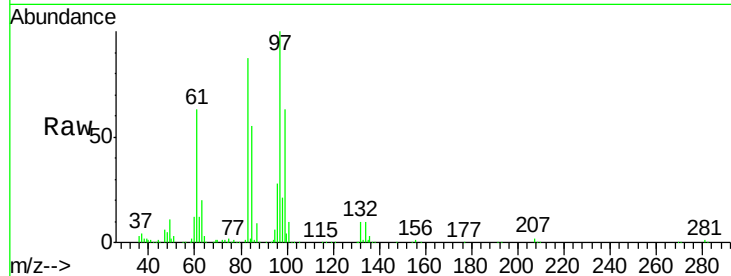
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	66556
Ion	Ratio	Lower	Upper
97	100		
83	86.8	67.8	101.8
85	55.2	43.8	65.8
99	63.2	49.4	74.0

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#56

Ethyl methacrylate

Concen: 18.058 ug/l

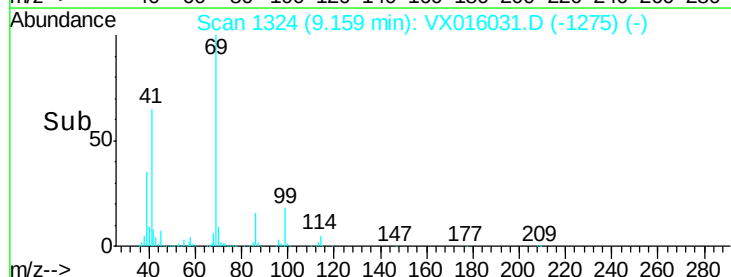
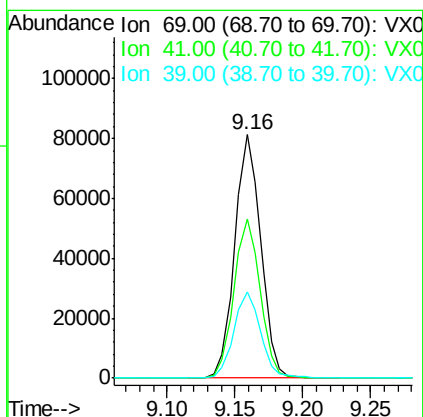
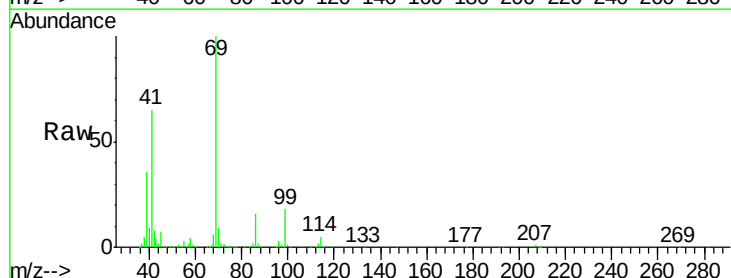
RT: 9.16 min Scan# 1324

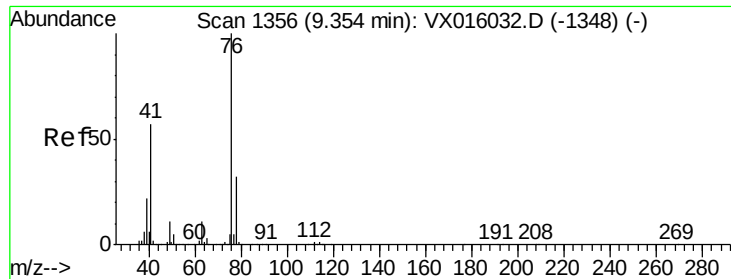
Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Tgt Ion:	69	Resp:	108438
Ion	Ratio	Lower	Upper
69	100		
41	65.2	52.2	78.4
39	36.3	28.2	42.4





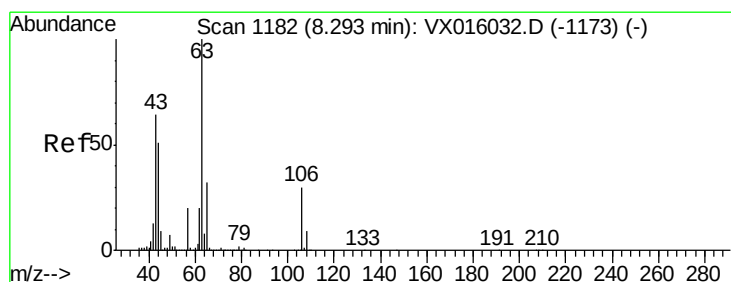
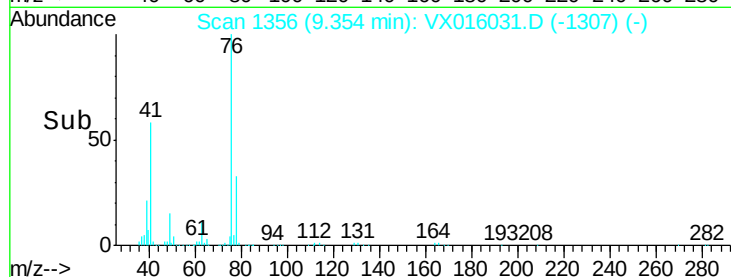
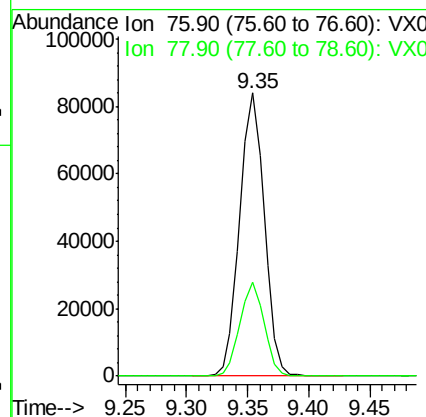
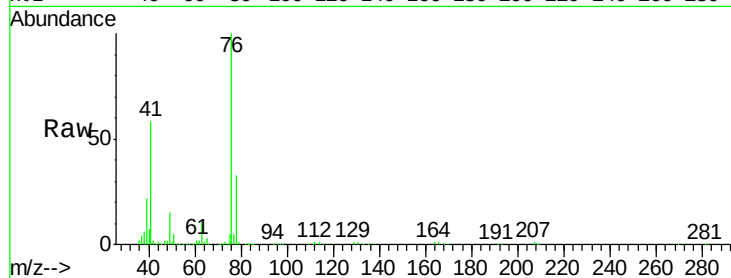
#57
 1,3-Dichloropropane
 Concen: 17.543 ug/l
 RT: 9.35 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VX016031.D
 Acq: 04 May 2020 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9

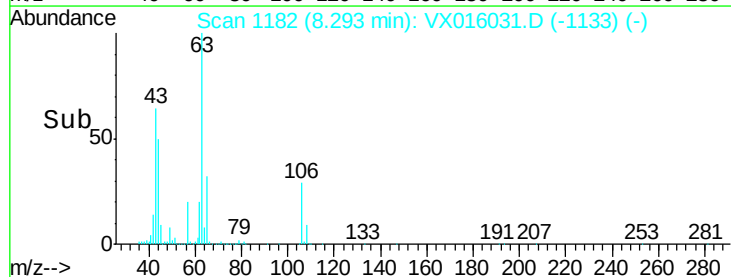
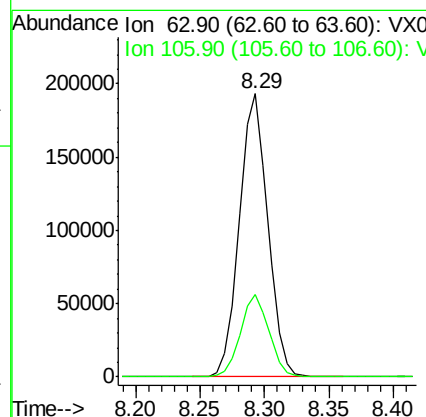
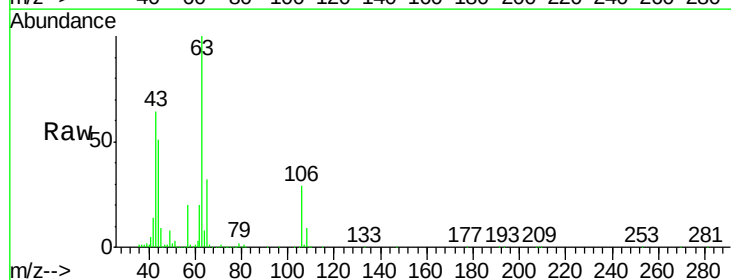
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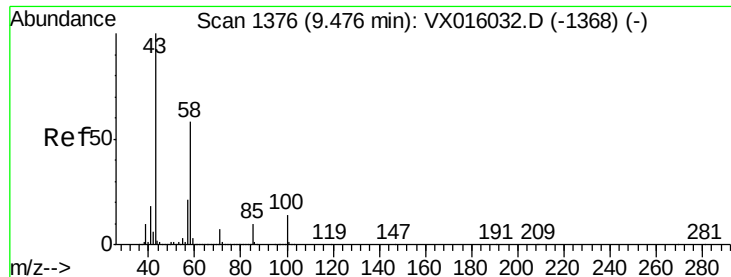
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#58
 2-Chloroethyl Vinyl ether
 Concen: 90.465 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VX016031.D
 Acq: 04 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.1	23.4	35.2





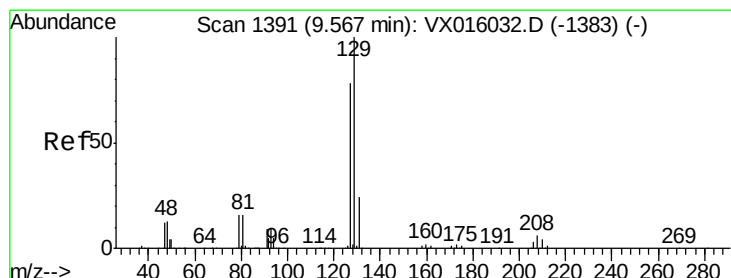
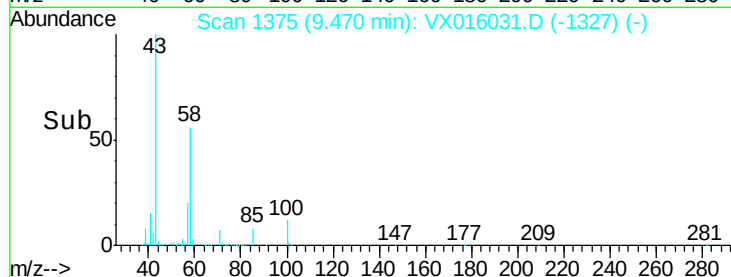
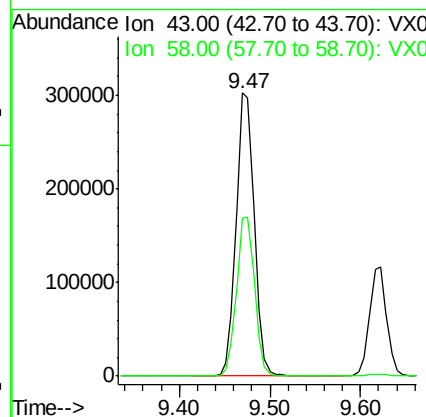
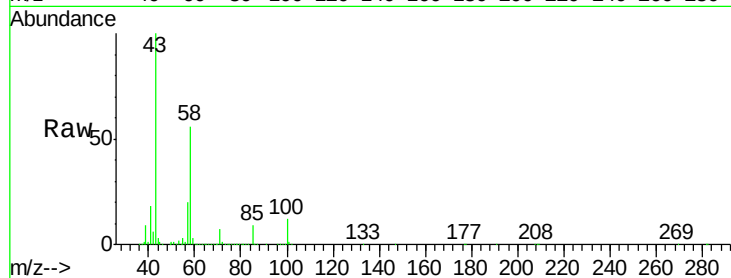
#59
2-Hexanone
Concen: 90.203 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX016031.D
Acq: 04 May 2020 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.3	28.6	85.9

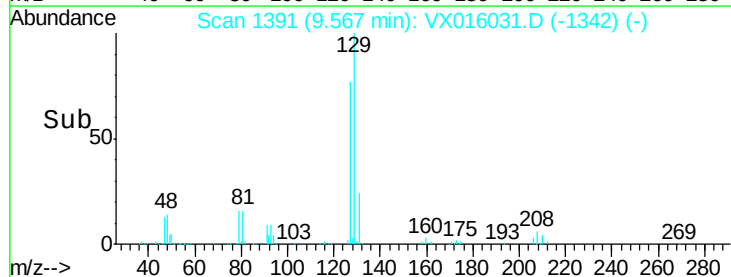
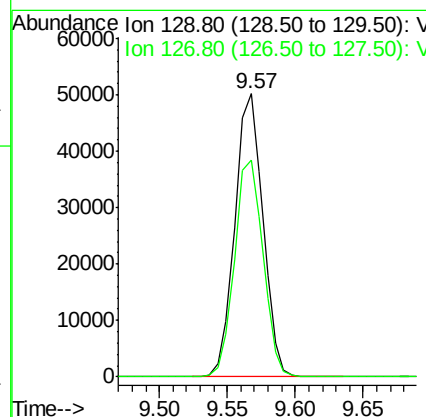
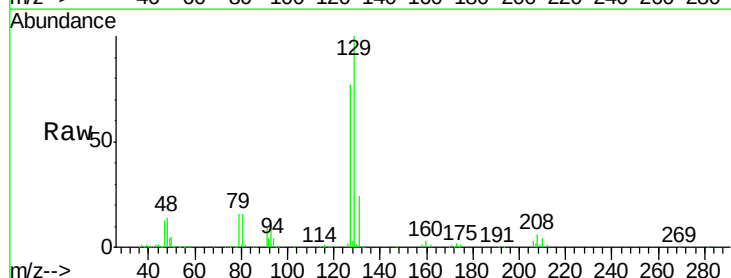
Manual Integrations
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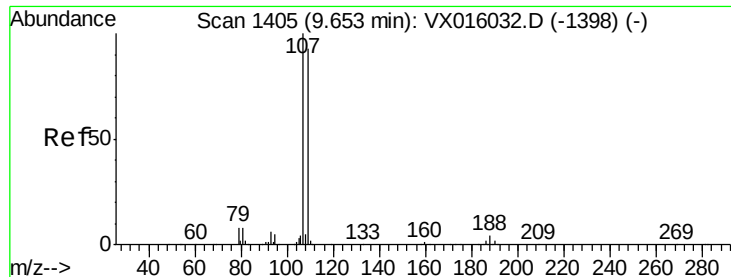
MMDadoda
5/5/2020 11:35:20 AM



#60
Dibromochloromethane
Concen: 17.637 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016031.D
Acq: 04 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.4	115.2





#61

1,2-Dibromoethane

Concen: 17.455 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion:107 Resp: 71640

Ion Ratio Lower Upper

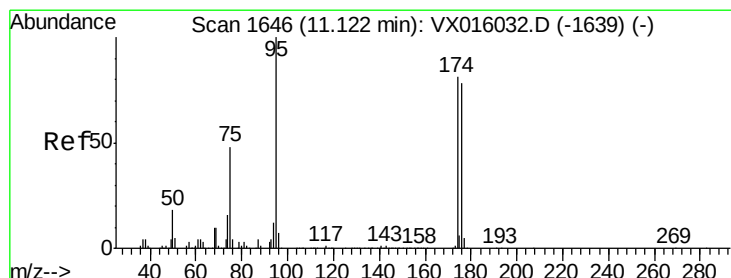
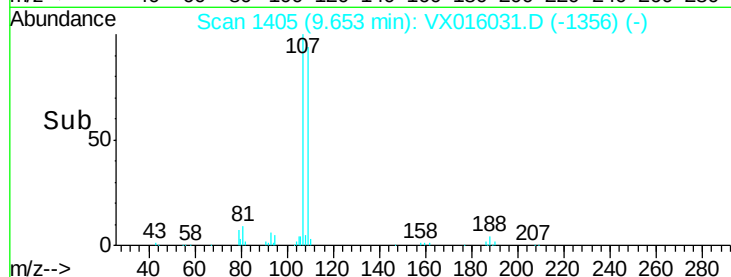
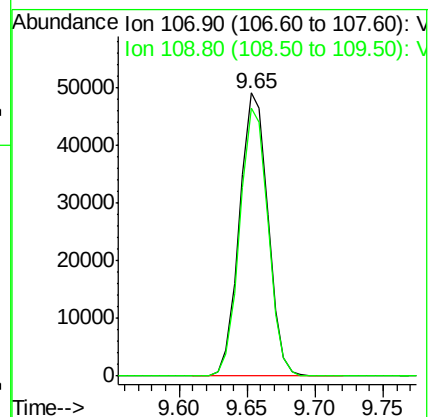
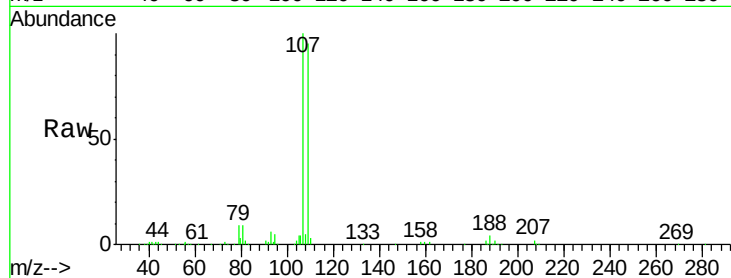
107 100

109 94.2 74.9 112.3

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 18.776 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

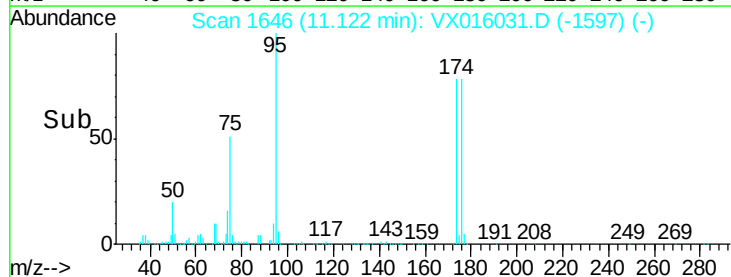
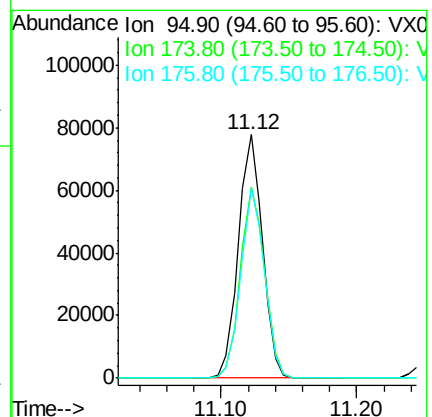
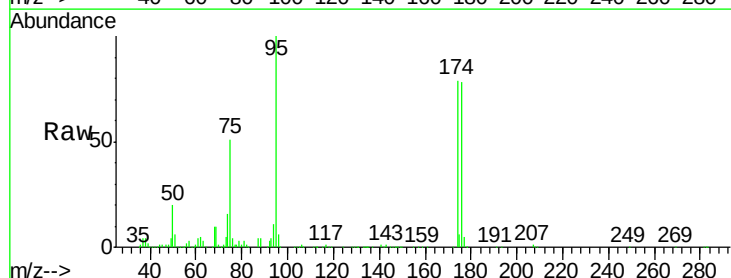
Tgt Ion: 95 Resp: 95807

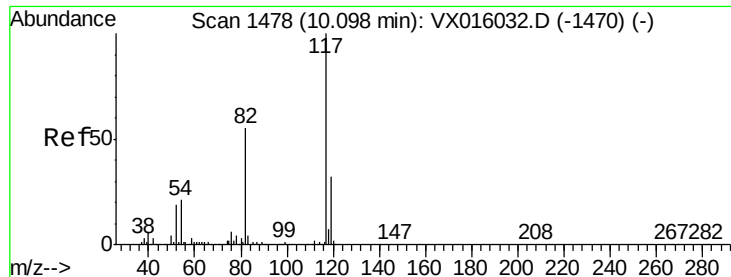
Ion Ratio Lower Upper

95 100

174 79.1 0.0 159.4

176 76.7 0.0 157.6





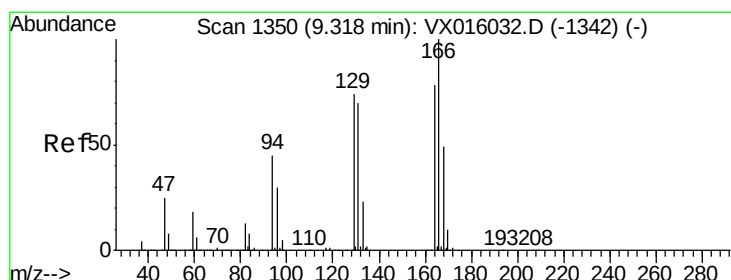
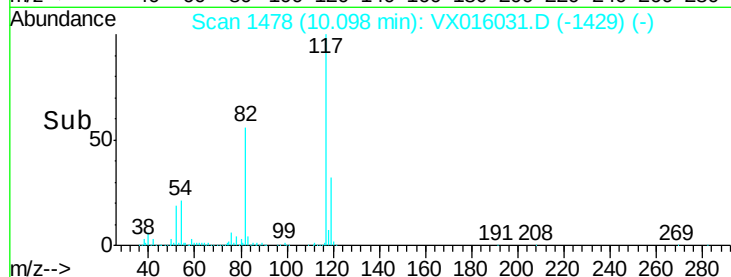
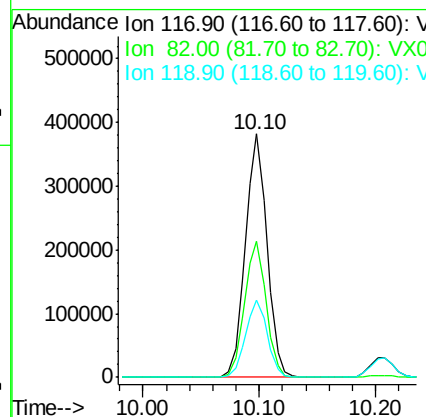
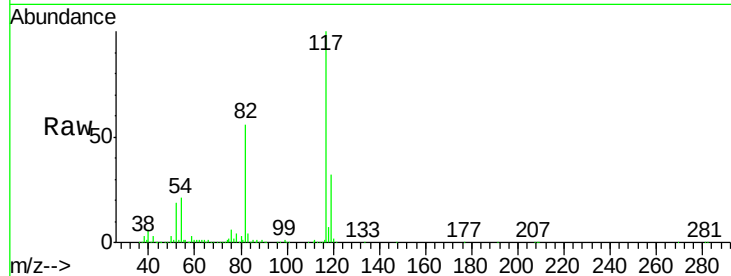
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016031.D
Acq: 04 May 2020 12:25

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	495314		
82	55.7	44.4	66.6	
119	31.7	25.5	38.3	

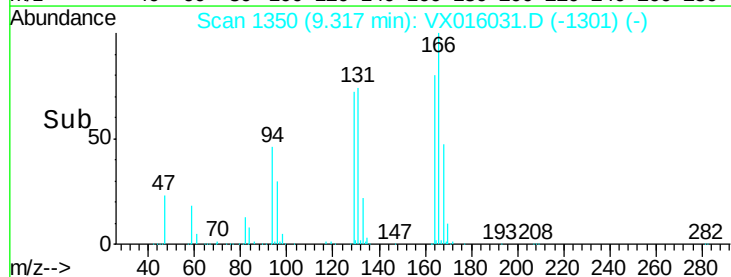
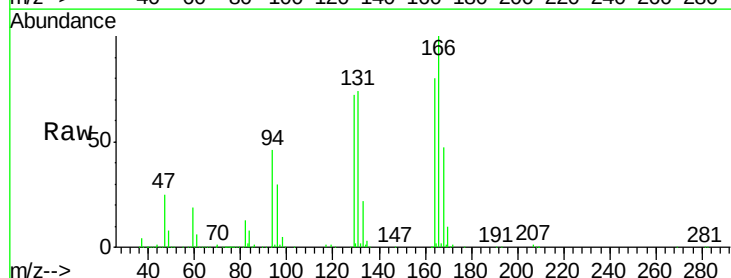
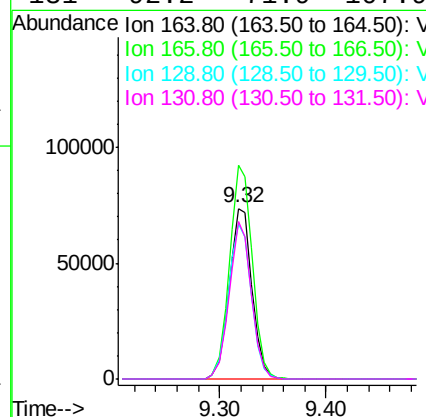
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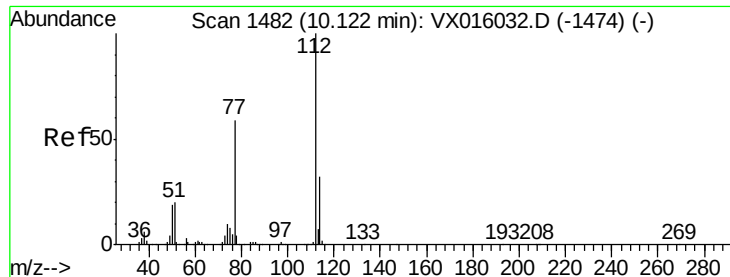
MMDadoda
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#64
Tetrachloroethene
Concen: 17.464 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016031.D
Acq: 04 May 2020 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	109850		
166	125.2	102.9	154.3	
129	90.5	76.1	114.1	
131	92.2	71.9	107.9	





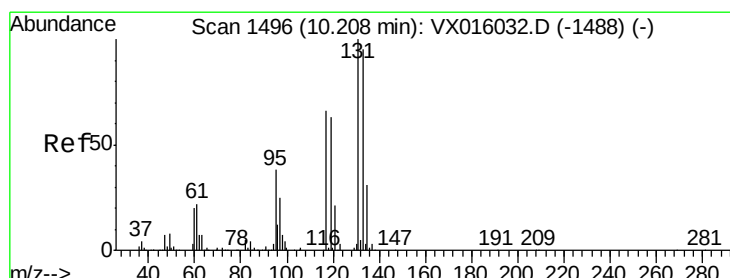
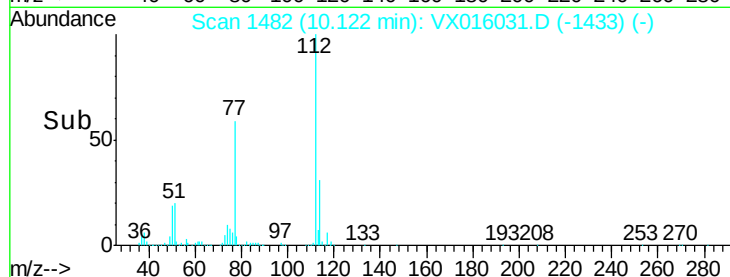
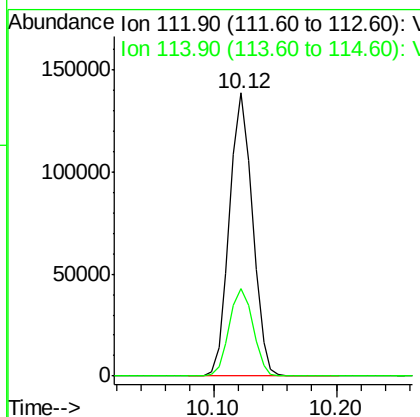
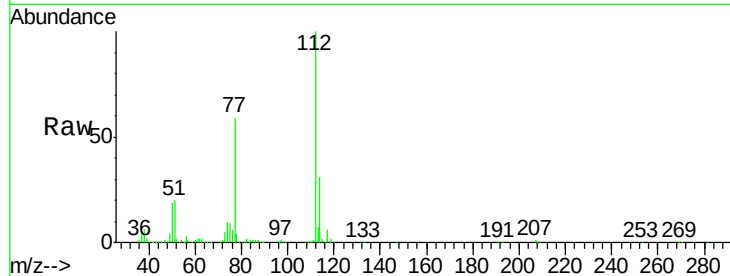
#65
Chlorobenzene
Concen: 17.189 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016031.D
Acq: 04 May 2020 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 180522
Ion Ratio Lower Upper
112 100
114 30.9 25.7 38.5

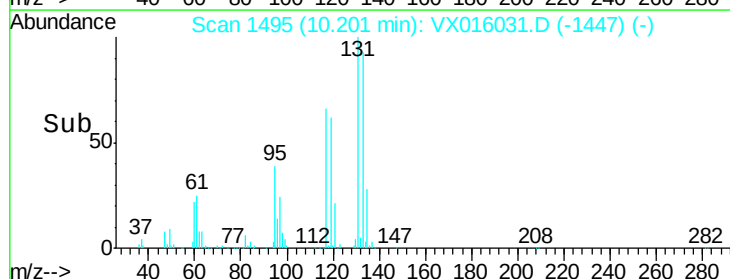
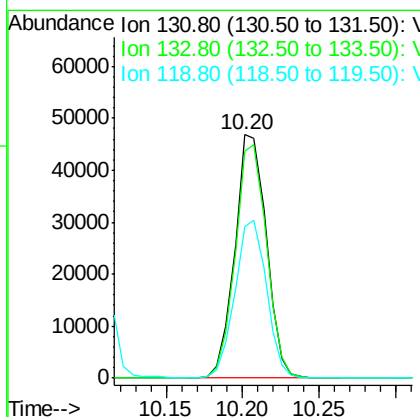
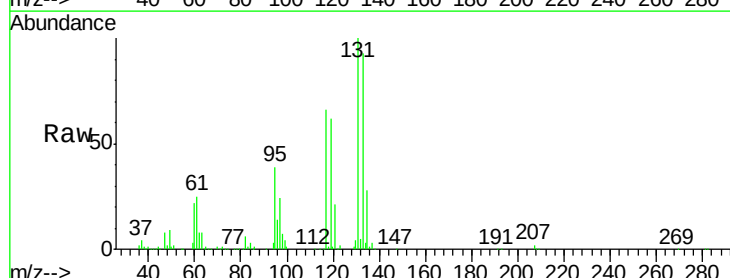
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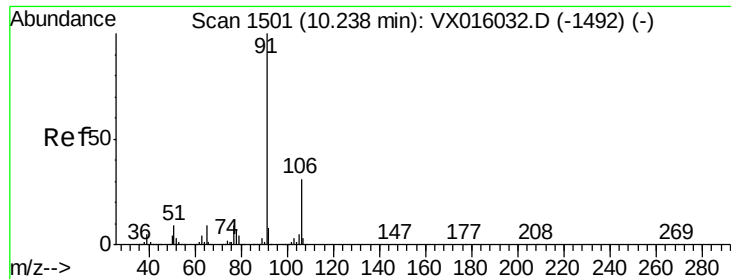
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#66
1,1,1,2-Tetrachloroethane
Concen: 17.525 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. -0.01 min
Lab File: VX016031.D
Acq: 04 May 2020 12:25

Tgt Ion:131 Resp: 66962
Ion Ratio Lower Upper
131 100
133 94.8 48.3 144.8
119 65.2 32.3 96.9





#67

Ethyl Benzene

Concen: 17.395 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 325000

Ion Ratio Lower Upper

91 100

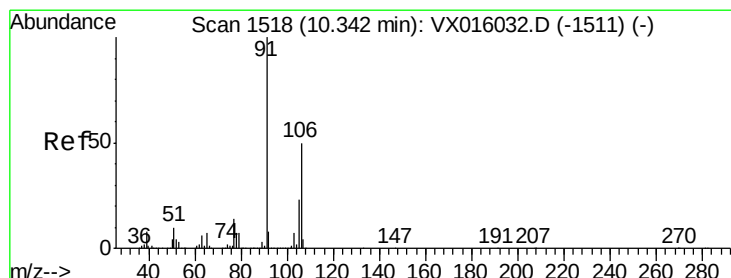
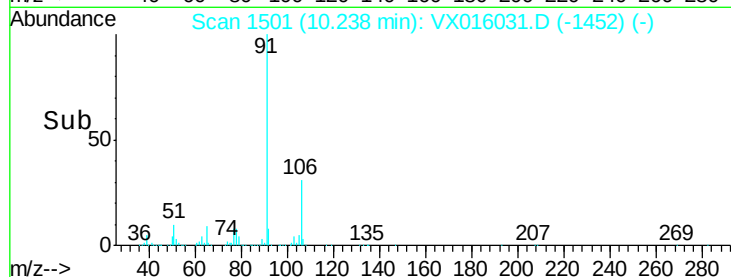
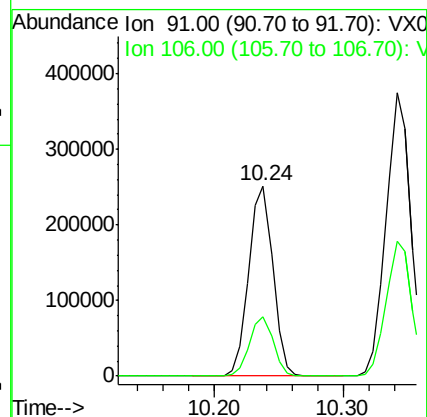
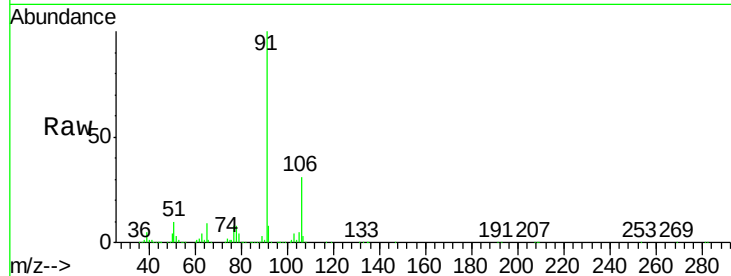
106 31.5 25.1 37.7

Manual Integrations

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#68

m/p-Xylenes

Concen: 35.005 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX016031.D

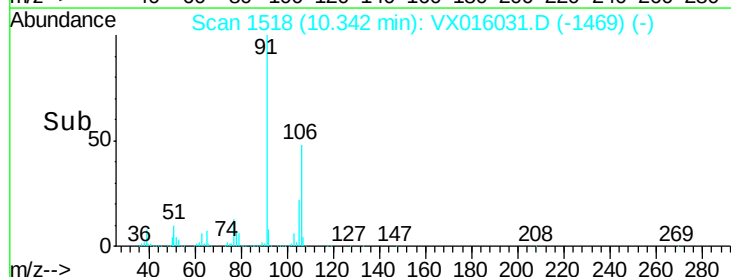
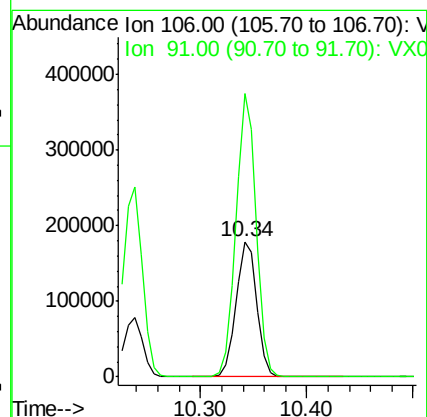
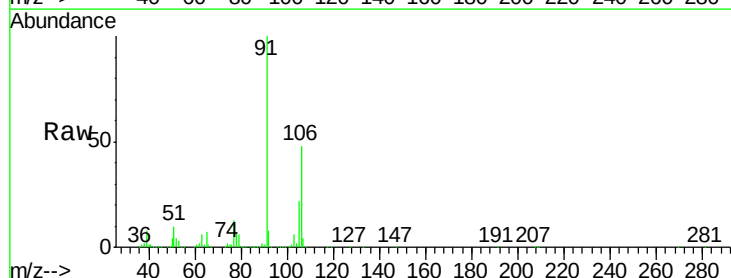
Acq: 04 May 2020 12:25

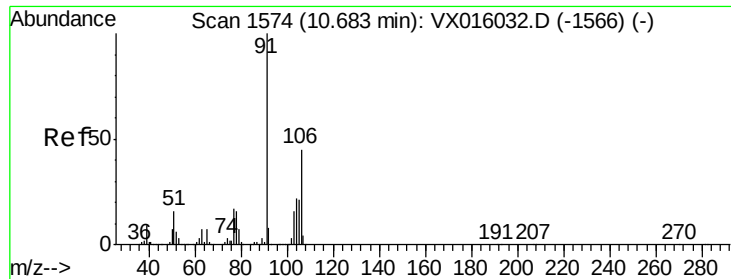
Tgt Ion: 106 Resp: 242895

Ion Ratio Lower Upper

106 100

91 204.8 161.7 242.5





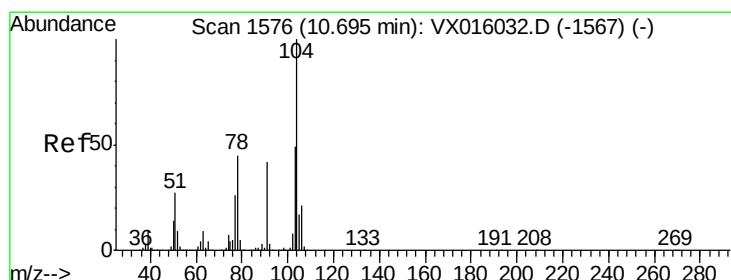
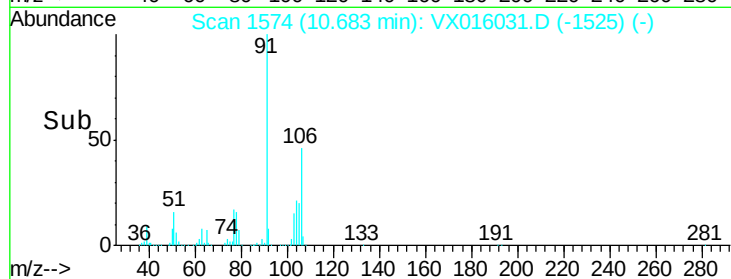
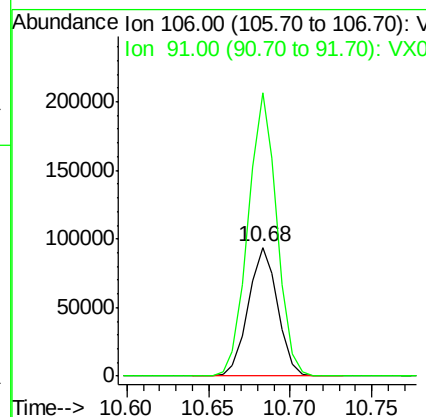
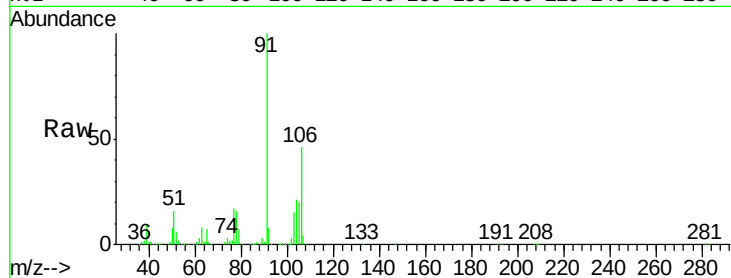
#69
o-Xylene
Concen: 17.709 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016031.D
Acq: 04 May 2020 12:25

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	117600		
91	91	215.3	107.5	322.6	

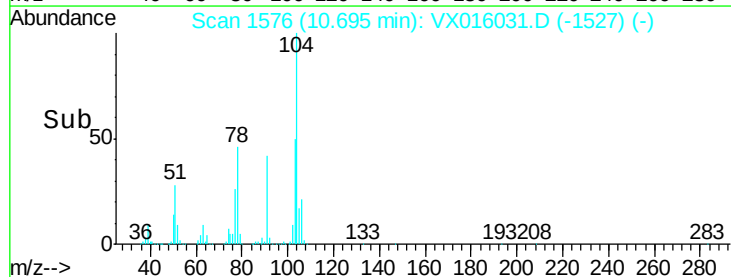
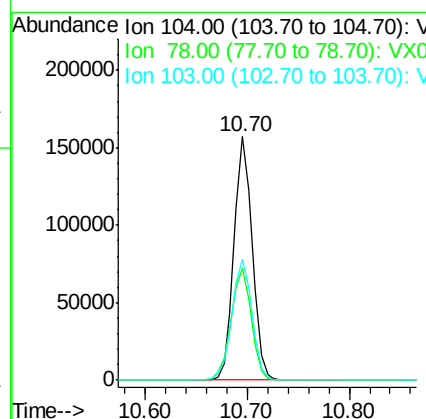
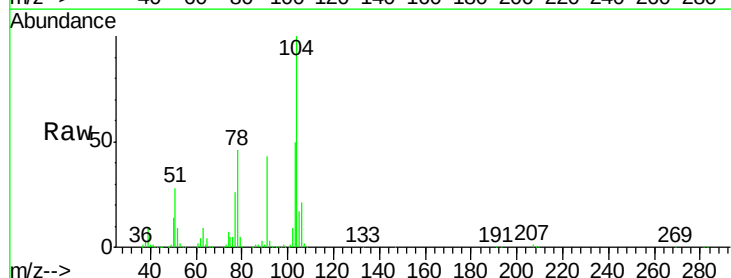
Manual Integrations
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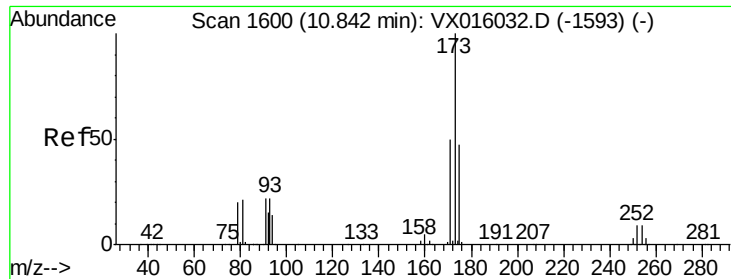
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#70
Styrene
Concen: 17.486 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016031.D
Acq: 04 May 2020 12:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	193315		
78	78	51.5	40.2	60.2	
103	103	54.5	43.0	64.6	





#71

Bromoform

Concen: 17.791 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA_X

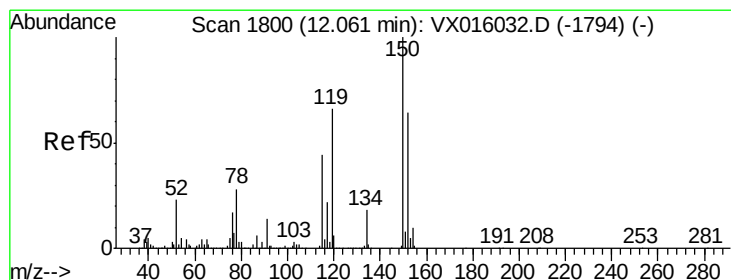
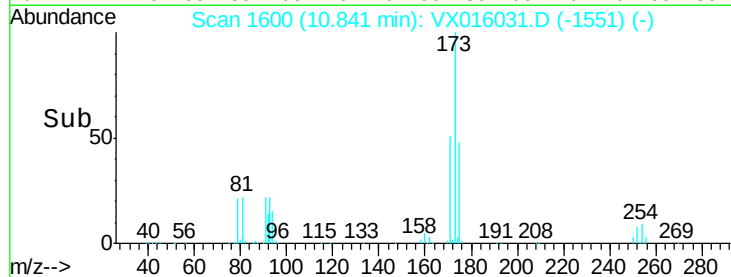
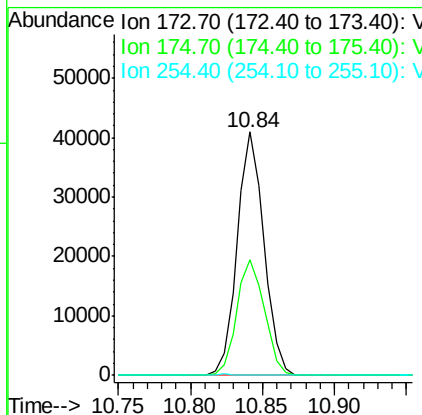
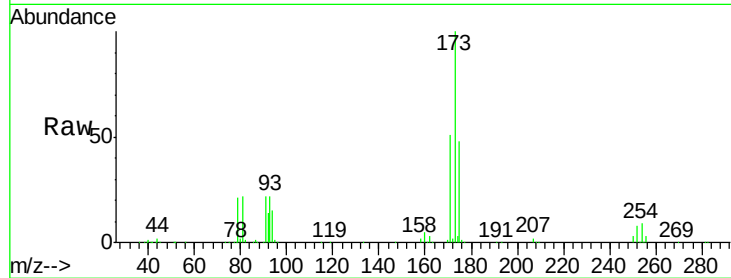
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.0	72.0
254	0.1	0.1	0.1

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

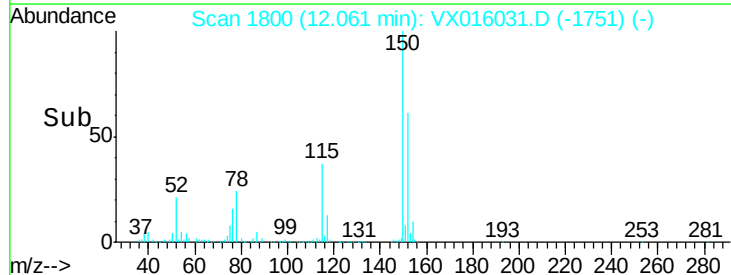
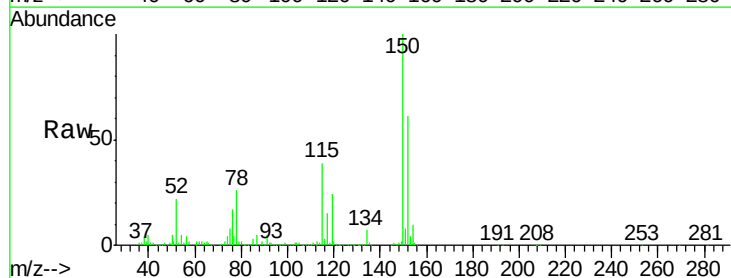
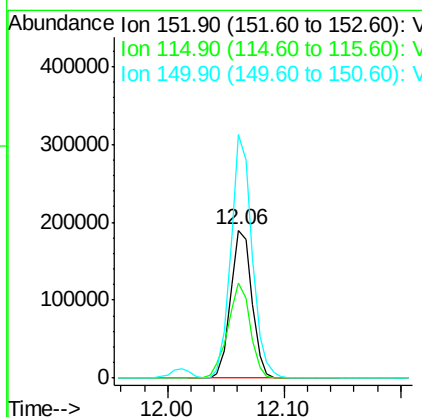
RT: 12.06 min Scan# 1800

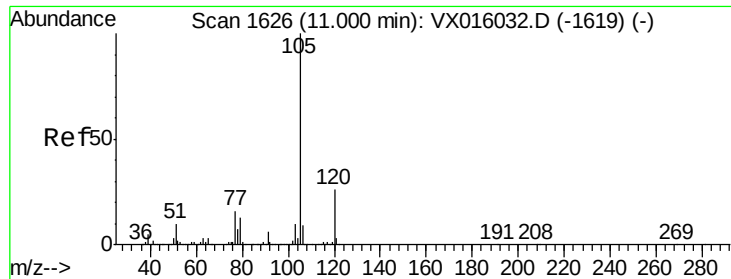
Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.4	41.3	124.1
150	164.0	0.0	352.2





#73

Isopropylbenzene

Concen: 17.628 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 315958

Ion Ratio Lower Upper

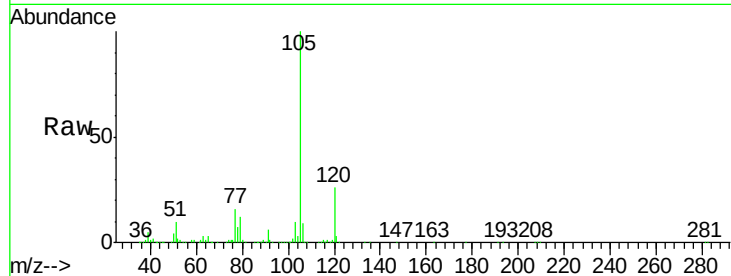
105 100

120 26.6 13.4 40.2

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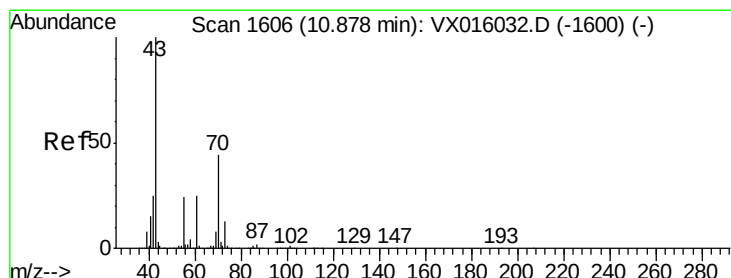
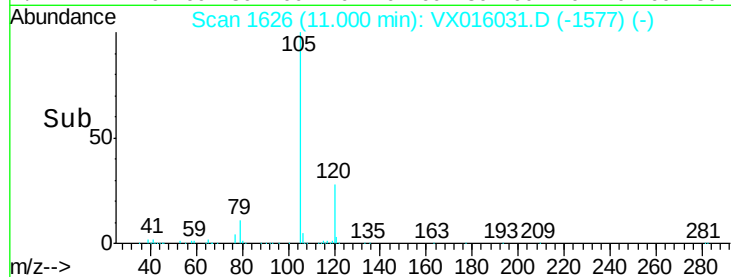
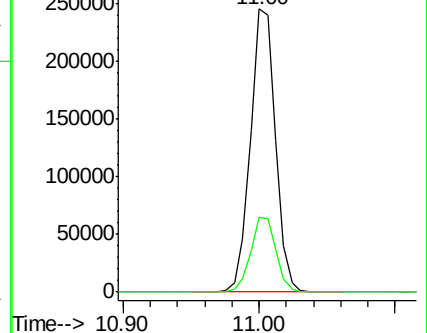
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.704 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Tgt Ion: 43 Resp: 145125

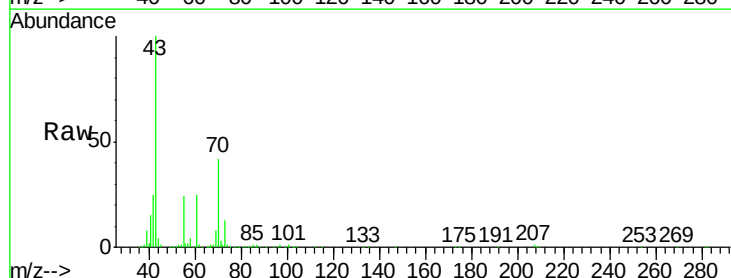
Ion Ratio Lower Upper

43 100

70 44.8 36.5 54.7

55 24.7 19.7 29.5

61 25.0 20.9 31.3

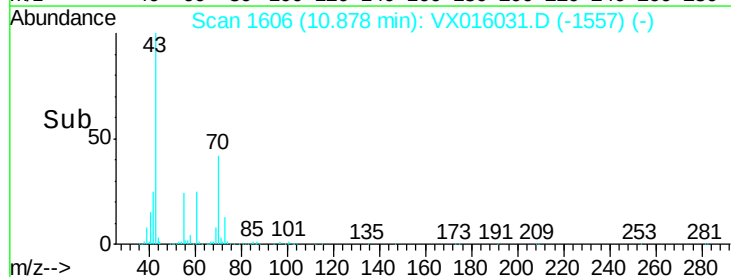
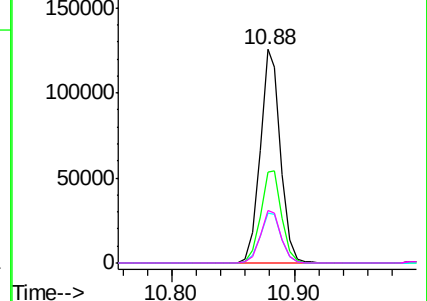


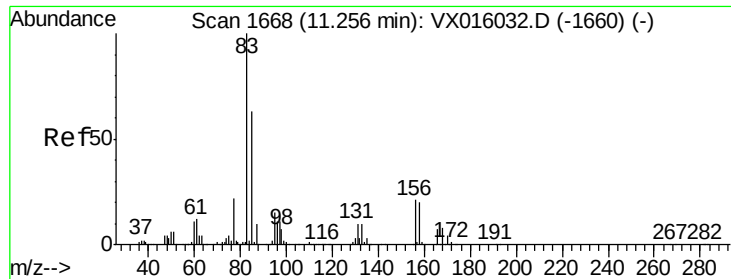
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.106 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA_X

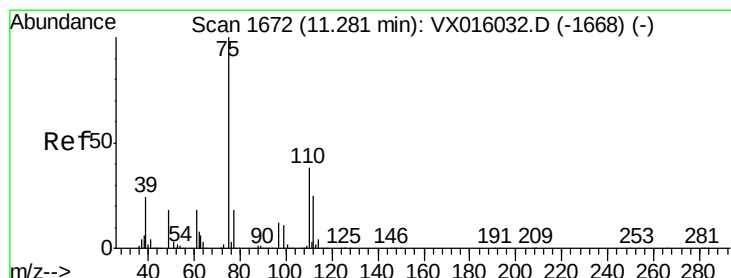
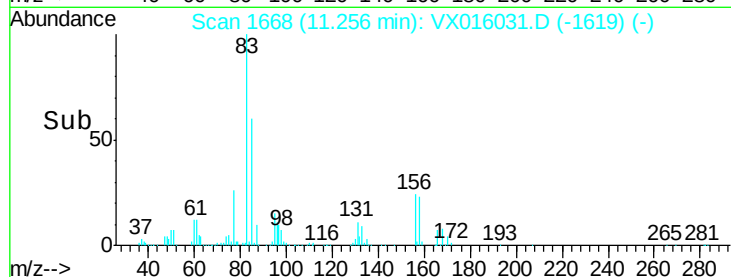
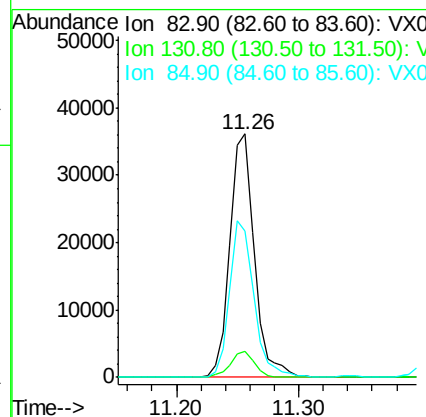
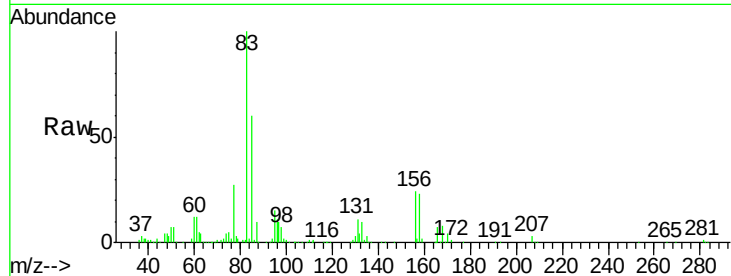
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	49984
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.4
85	64.2	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 13.864 ug/l m

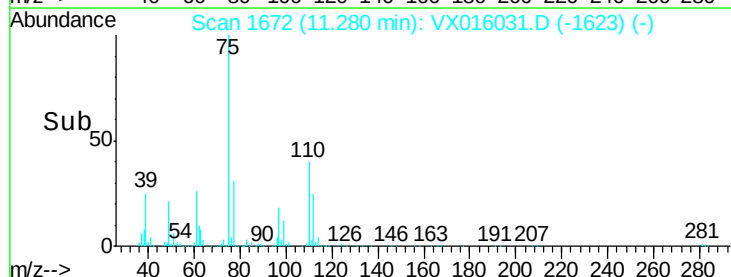
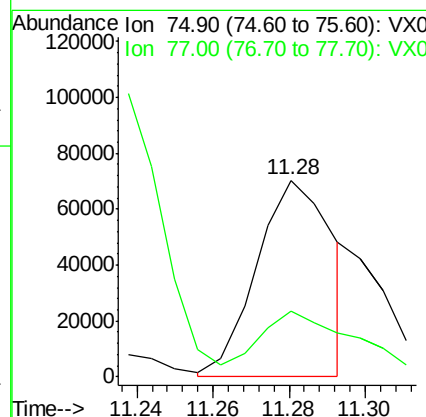
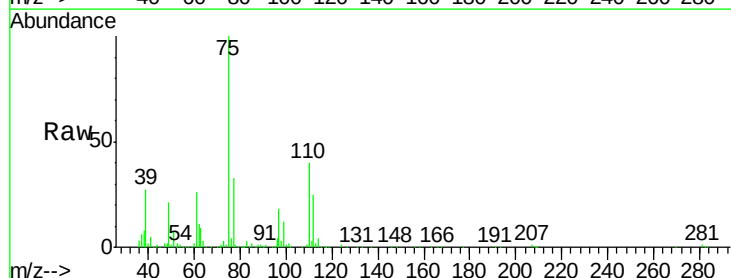
RT: 11.28 min Scan# 1672

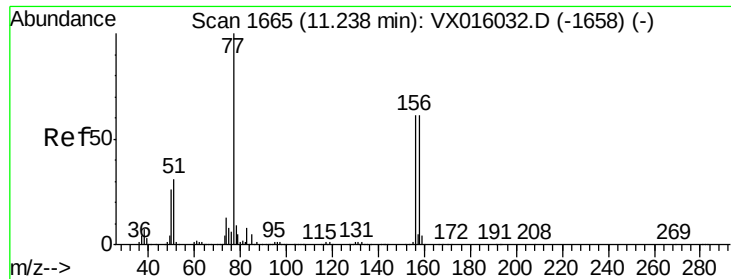
Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Tgt Ion:	75	Resp:	97740
Ion Ratio	Lower	Upper	
75	100		
77	42.6	21.2	63.6





#77

Bromobenzene

Concen: 17.170 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA_X

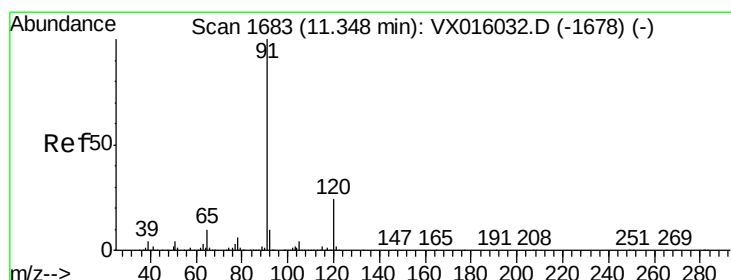
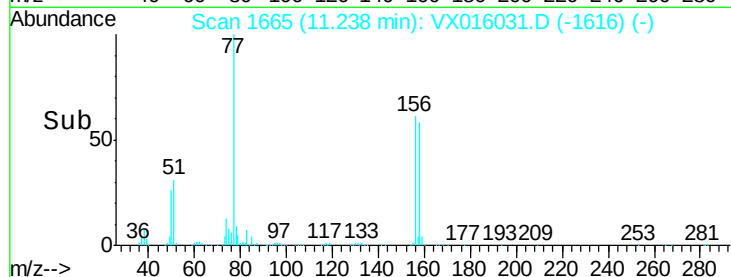
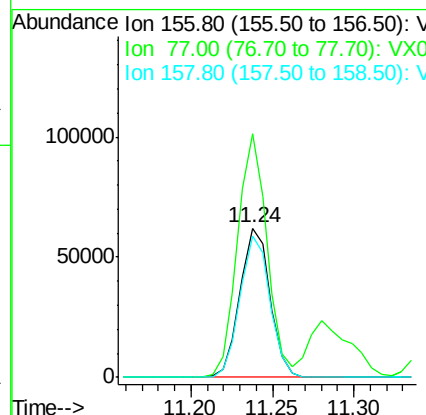
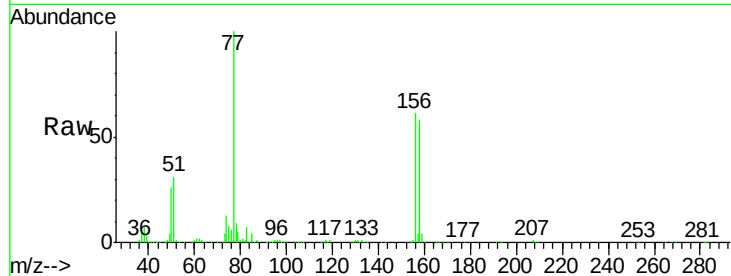
ClientSampled :

VSTDIC020

Tot Ion:	156	Resp:	79529
Ion Ratio	Lower	Upper	
156	100		
77	159.9	80.1	240.3
158	94.7	49.4	148.2

Manual Integrations
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5/5/2020 11:35:20 AM



#78

n-propylbenzene

Concen: 17.254 ug/l

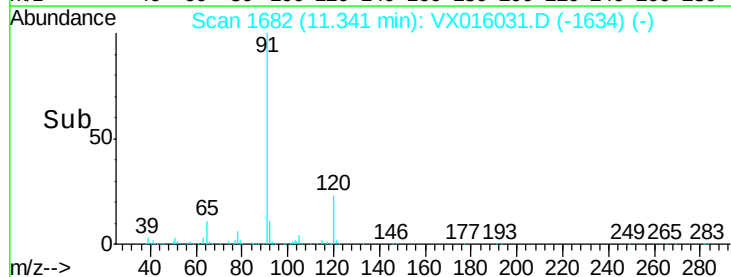
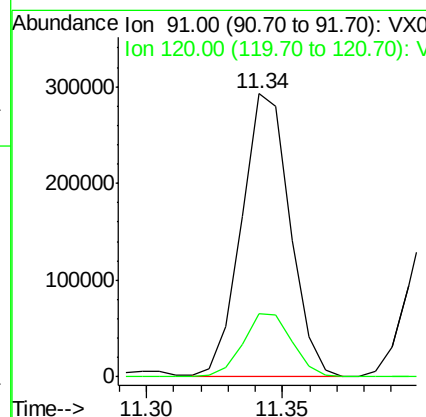
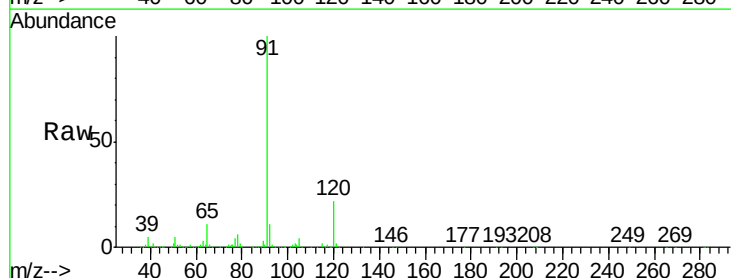
RT: 11.34 min Scan# 1682

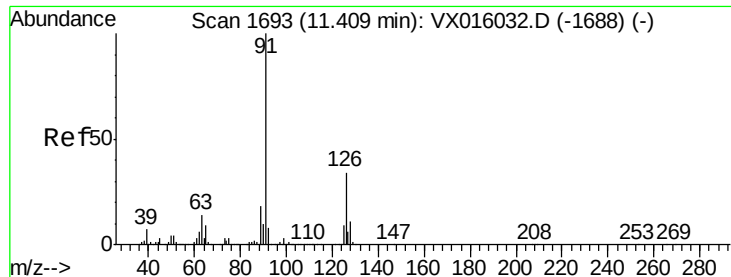
Delta R.T. -0.01 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Tgt Ion:	91	Resp:	358791
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.5	34.5





#79

2-Chlorotoluene

Concen: 17.202 ug/l

RT: 11.41 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 211561

Ion Ratio Lower Upper

91 100

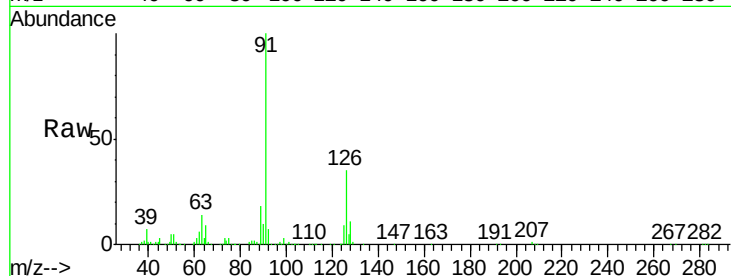
126 33.6 16.9 50.6

Manual Integrations

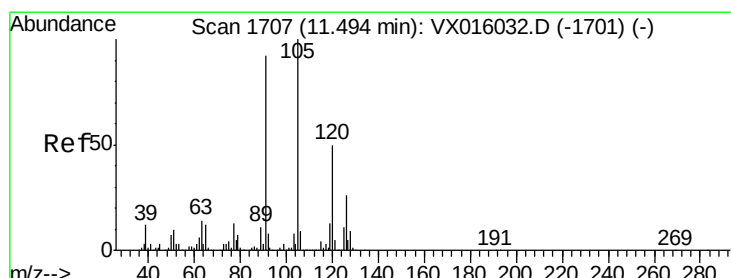
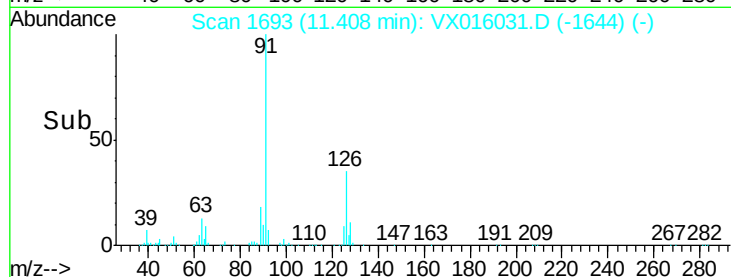
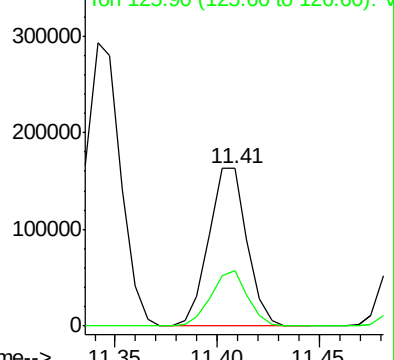
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Abundance Ion 91.00 (90.70 to 91.70): VX016032.D (-1688) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.590 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016031.D

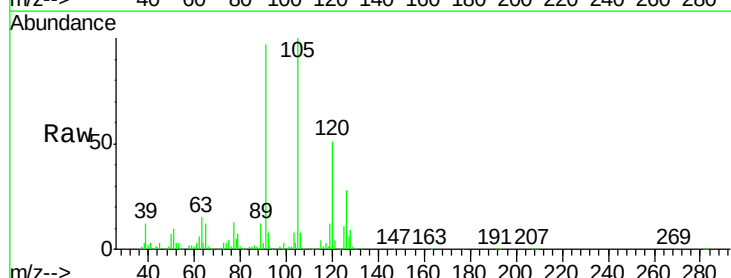
Acq: 04 May 2020 12:25

Tgt Ion: 105 Resp: 262505

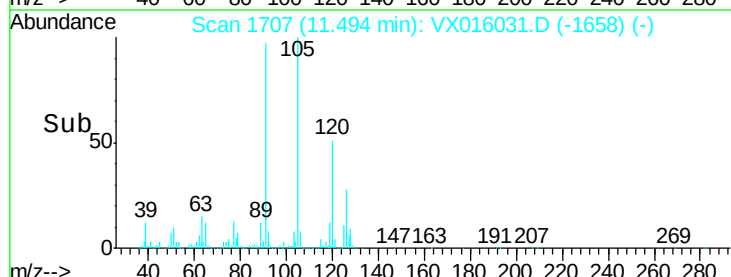
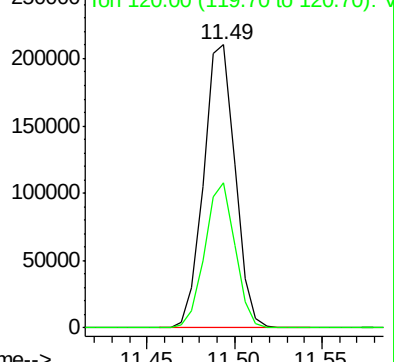
Ion Ratio Lower Upper

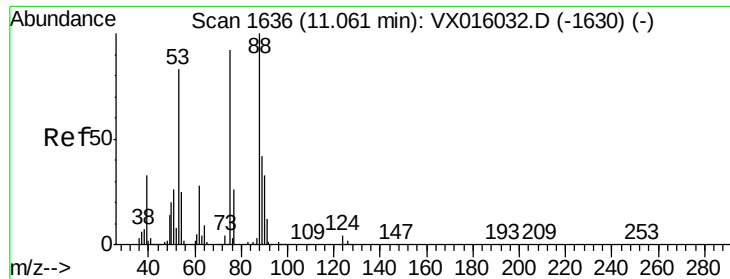
105 100

120 49.5 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VX016032.D (-1701) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.483 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA_X

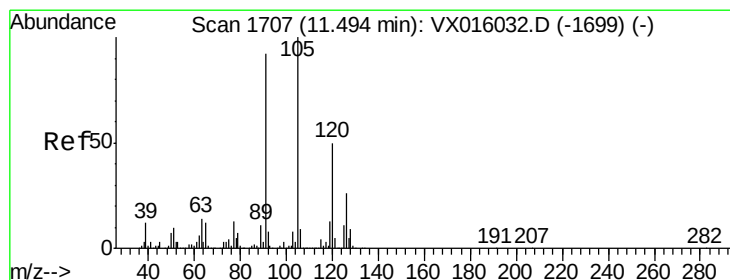
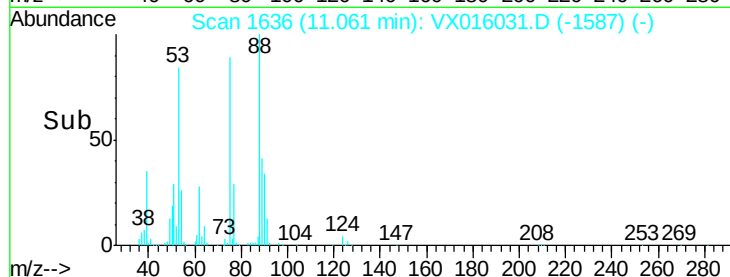
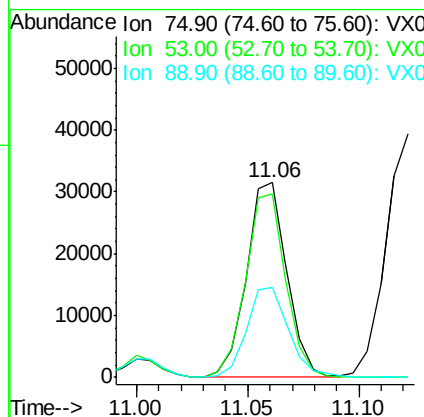
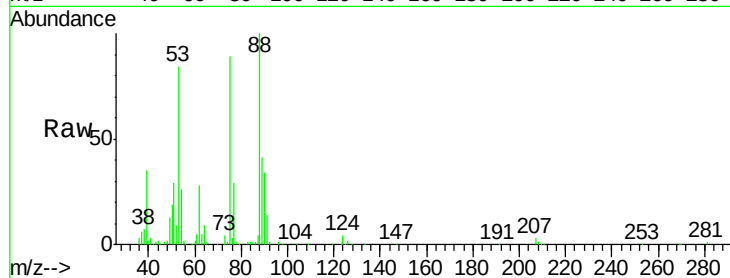
ClientSampled :

VSTDIC020

Tot Ion:	75	Resp:	39441
Ion	Ratio	Lower	Upper
75	100		
53	94.4	73.1	109.7
89	48.6	36.7	55.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 17.114 ug/l

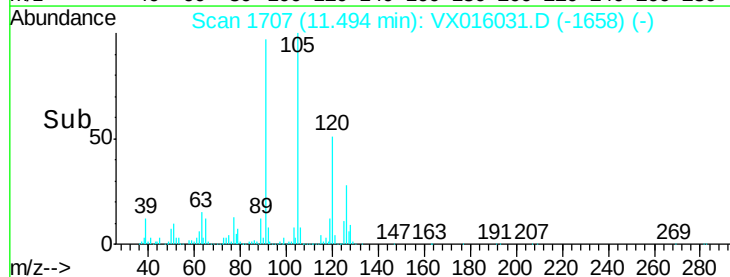
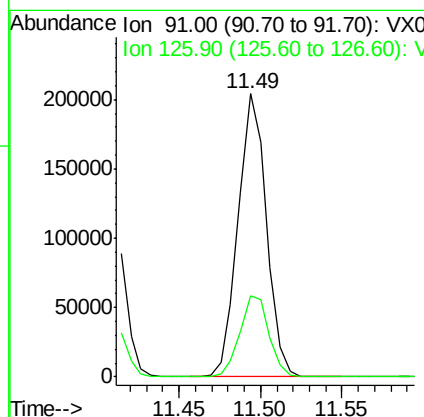
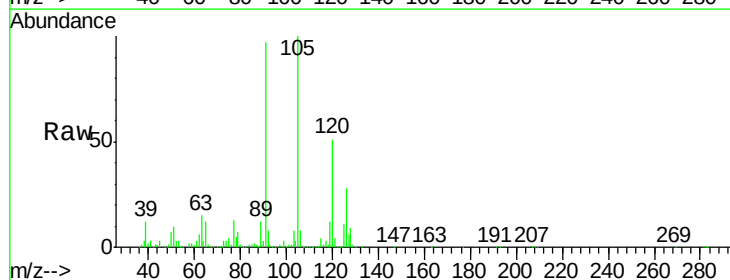
RT: 11.49 min Scan# 1707

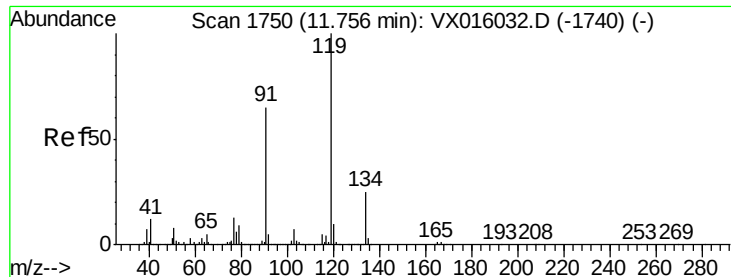
Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Tgt Ion:	91	Resp:	247064
Ion	Ratio	Lower	Upper
91	100		
126	29.5	14.8	44.3





#83

tert-Butylbenzene

Concen: 17.443 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA_X

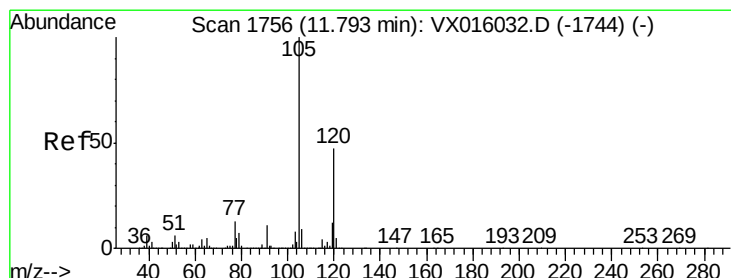
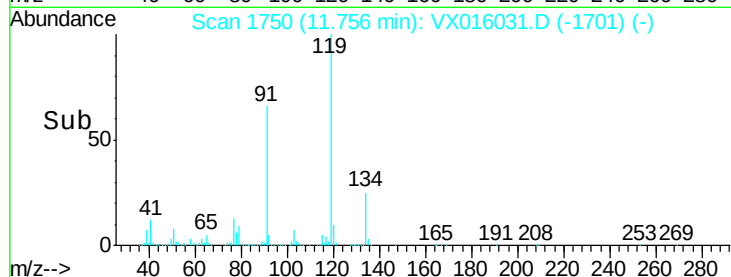
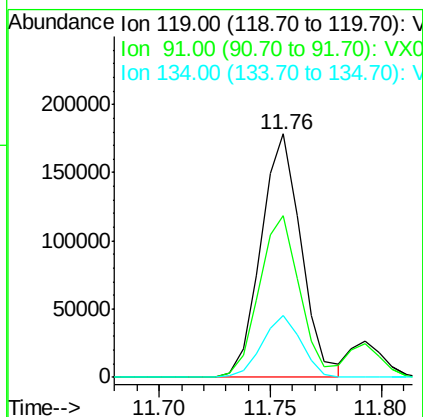
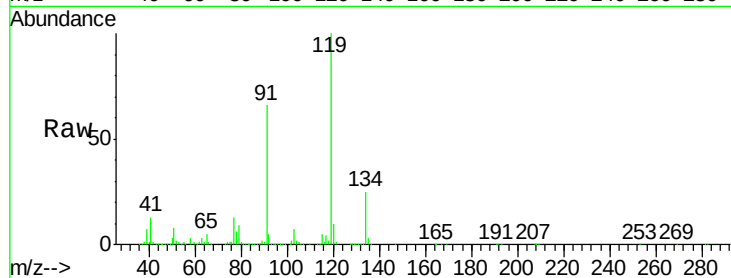
ClientSampleId :

VSTDIC020

Tot Ion:	119	Resp:	224185
Ion Ratio	Lower	Upper	
119	100		
91	66.1	32.8	98.4
134	24.6	12.4	37.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 17.523 ug/l

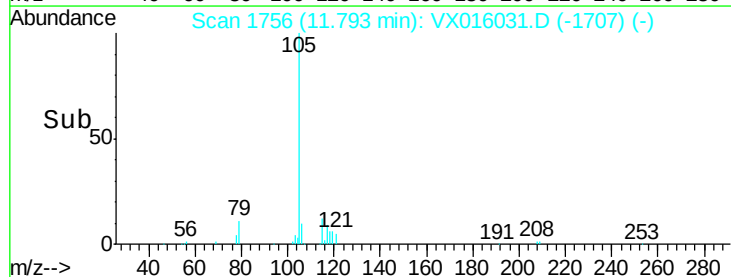
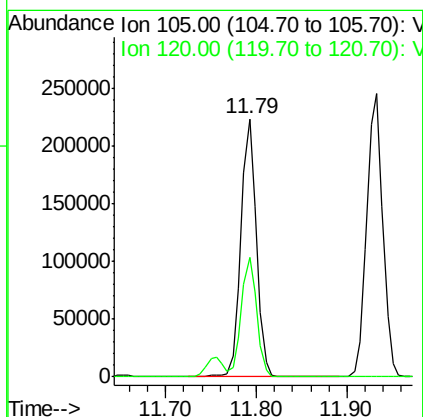
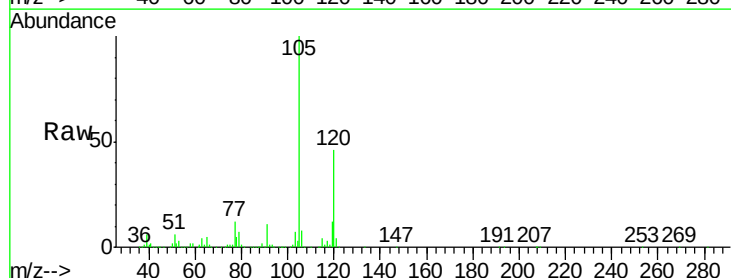
RT: 11.79 min Scan# 1756

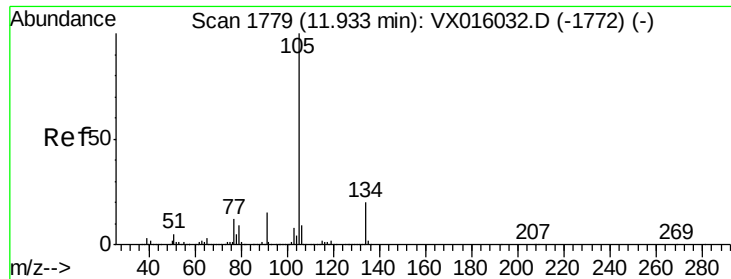
Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Tgt Ion:	105	Resp:	264951
Ion Ratio	Lower	Upper	
105	100		
120	46.2	23.0	69.0





#85

sec-Butylbenzene

Concen: 17.344 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 302376

Ion Ratio Lower Upper

105 100

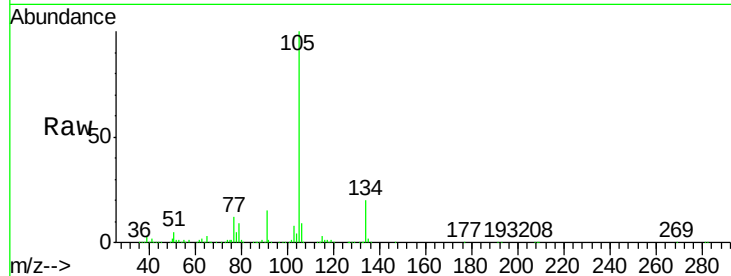
134 20.1 10.1 30.3

Manual Integrations

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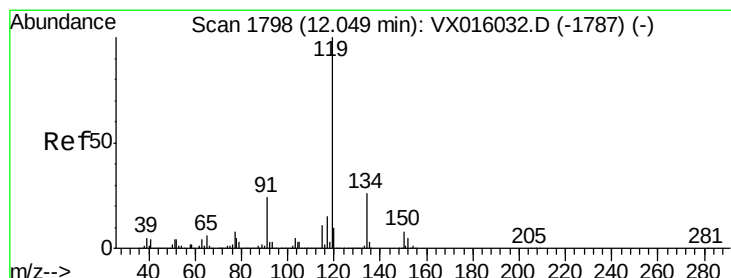
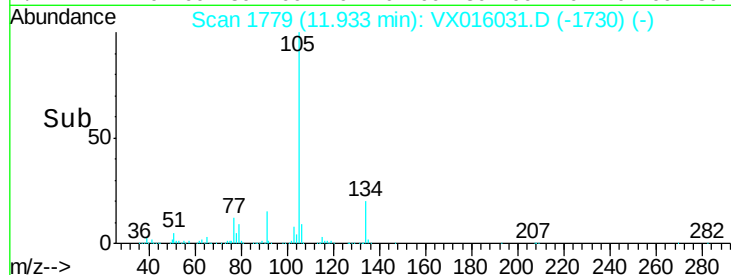
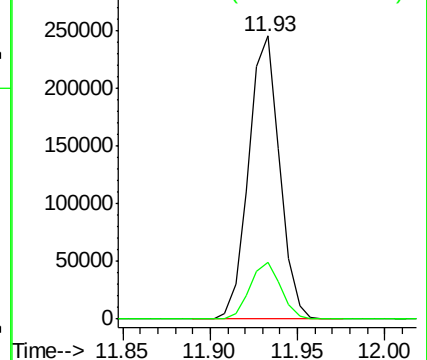
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 17.626 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

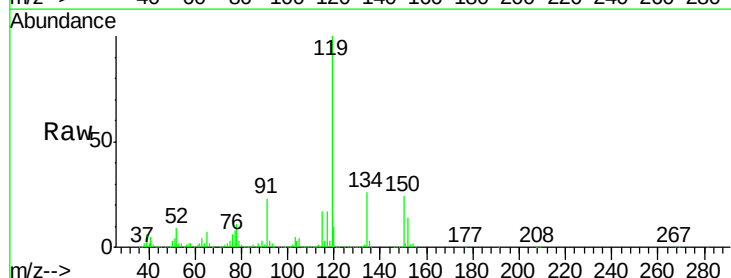
Tgt Ion:119 Resp: 284241

Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

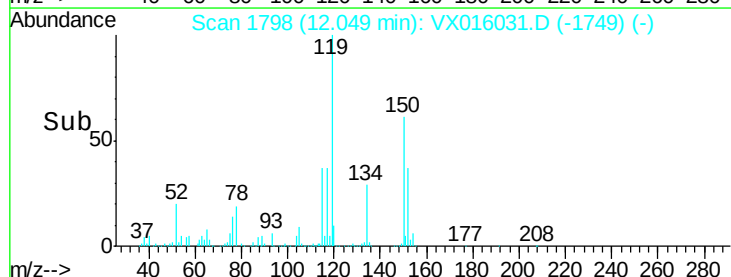
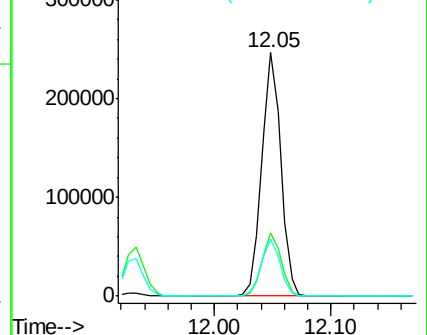
91 23.4 11.8 35.4

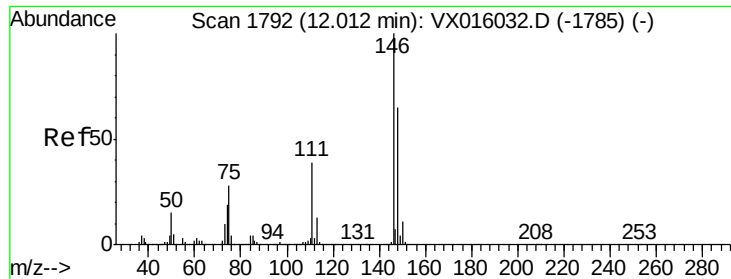


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





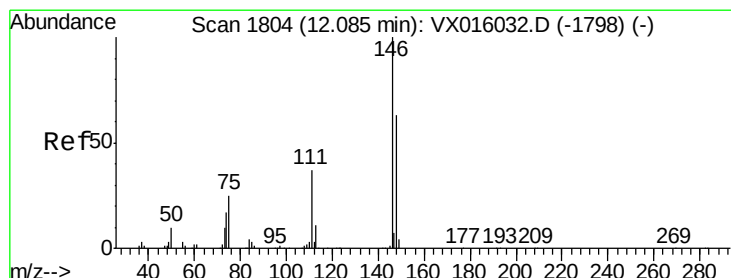
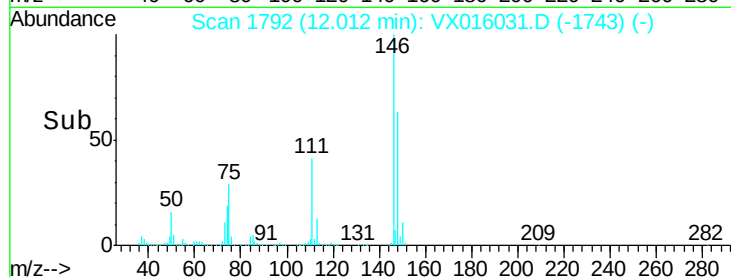
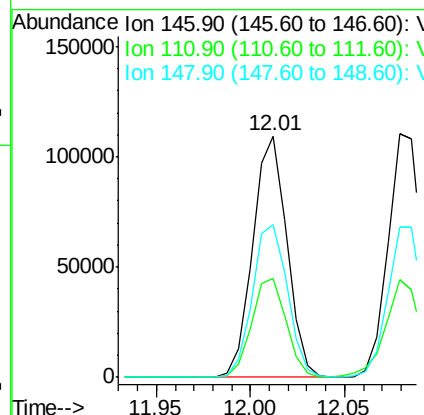
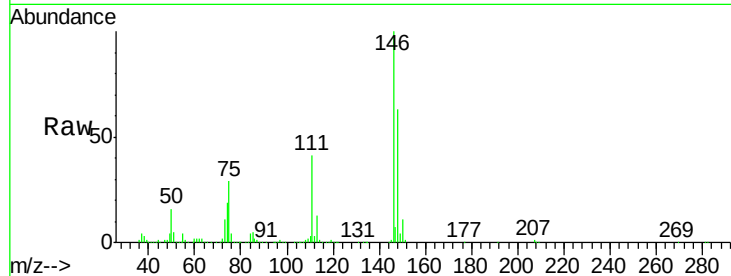
#87
 1,3-Dichlorobenzene
 Concen: 16.502 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016031.D
 Acq: 04 May 2020 12:25

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.2	60.6
148	65.0	32.1	96.3

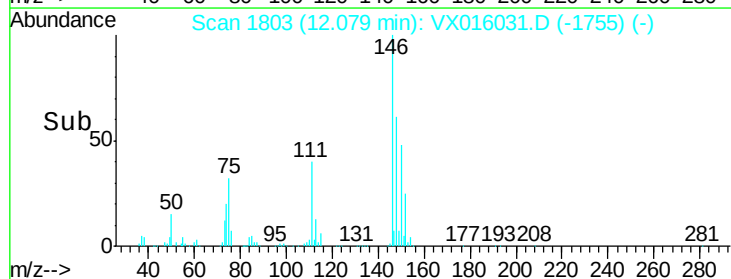
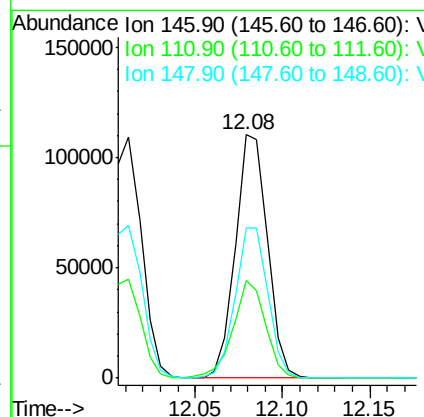
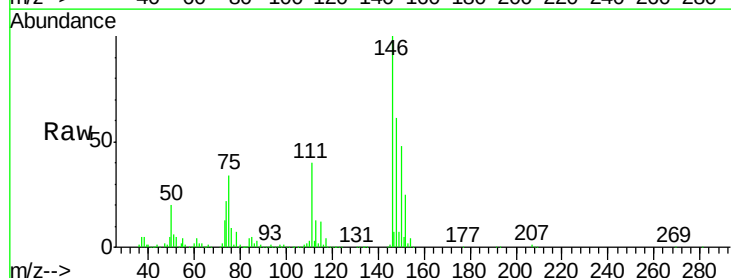
Manual Integrations
 APPROVED

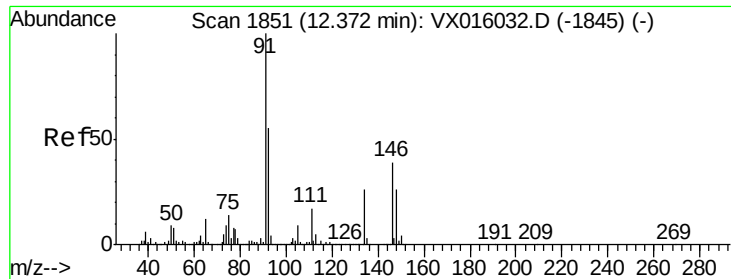
MMDadoda
 5/5/2020 11:35:20 AM



#88
 1,4-Dichlorobenzene
 Concen: 16.902 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VX016031.D
 Acq: 04 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.6	58.7
148	63.1	31.8	95.3





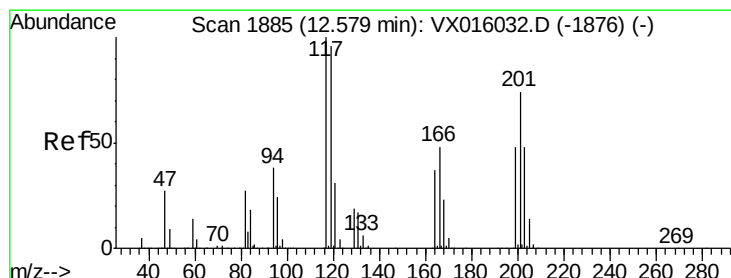
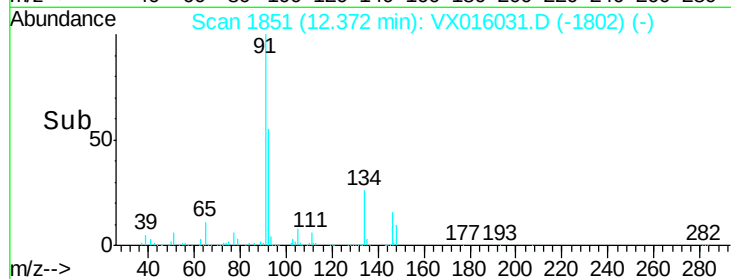
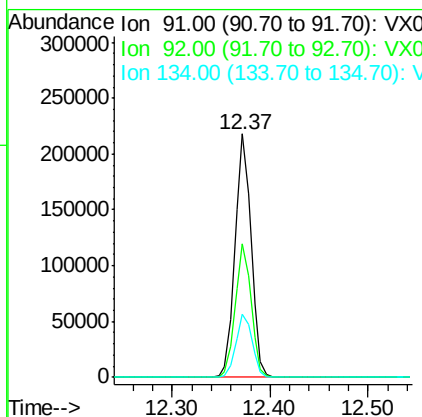
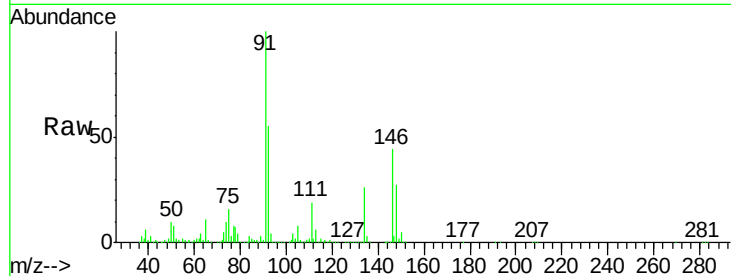
#89
n-Butylbenzene
Concen: 16.924 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016031.D
Acq: 04 May 2020 12:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	248345		
92	54.5		27.6	82.7
134	26.2		13.4	40.1

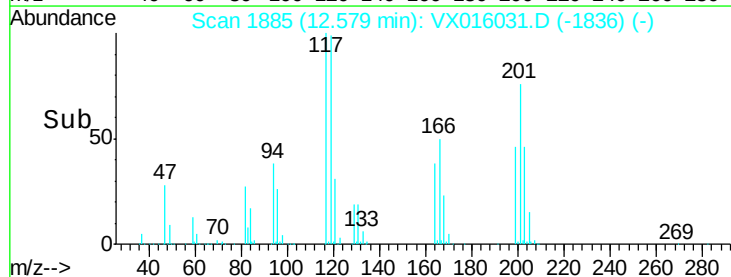
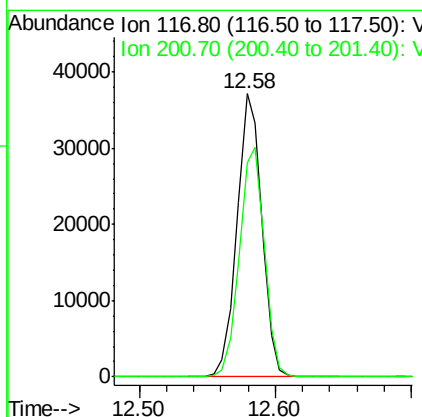
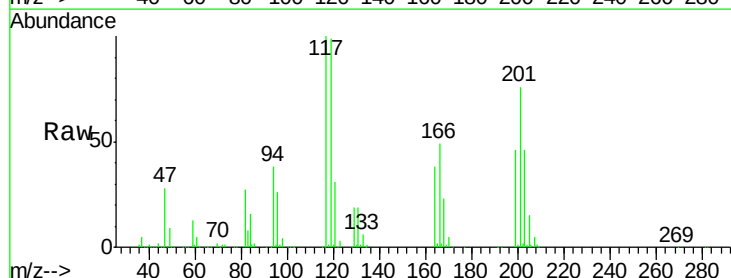
Manual Integrations
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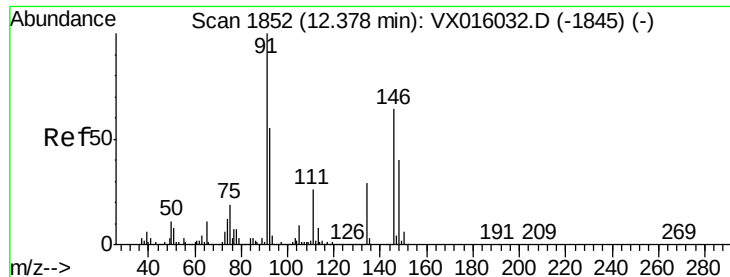
MMDadoda
5/5/2020 11:35:20 AM



#90
Hexachloroethane
Concen: 17.551 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016031.D
Acq: 04 May 2020 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	47036		
201	81.7		39.8	119.3





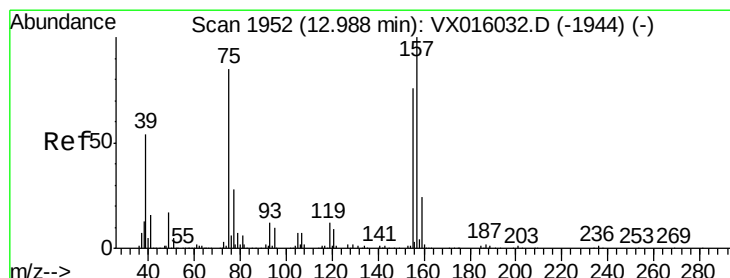
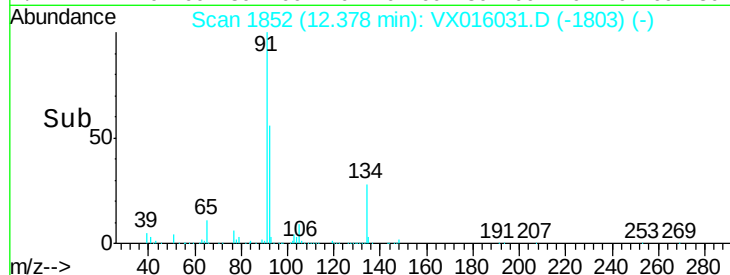
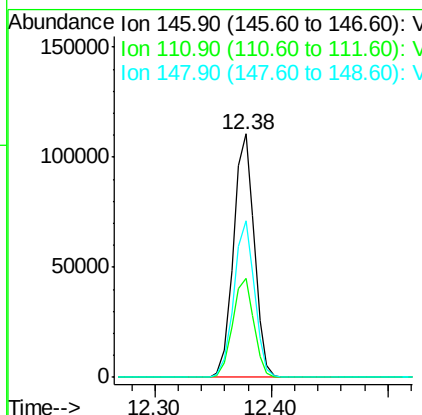
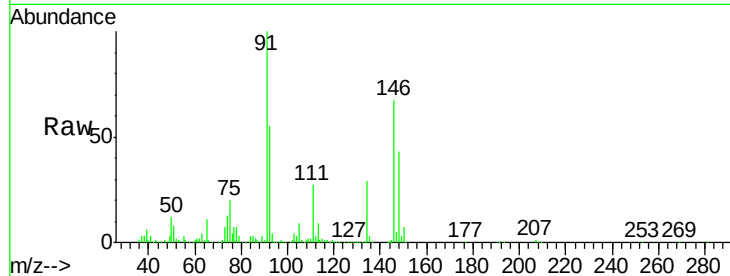
#91
 1,2-Dichlorobenzene
 Concen: 17.211 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX016031.D
 Acq: 04 May 2020 12:25

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	137435		
111	41.6	21.1	63.1	
148	63.8	32.4	97.0	

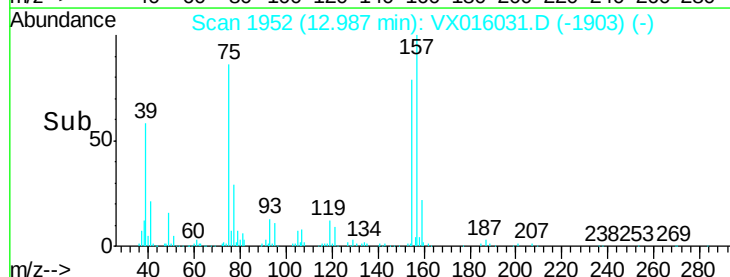
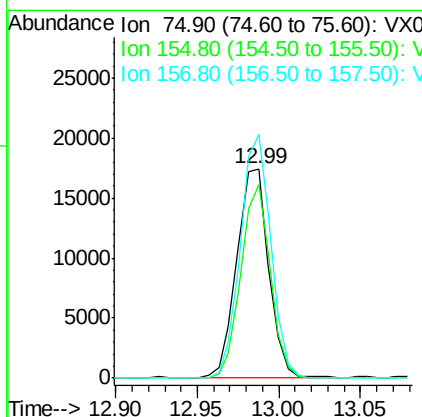
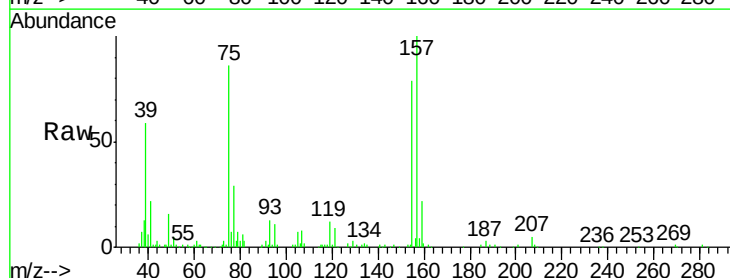
Manual Integrations
 APPROVED

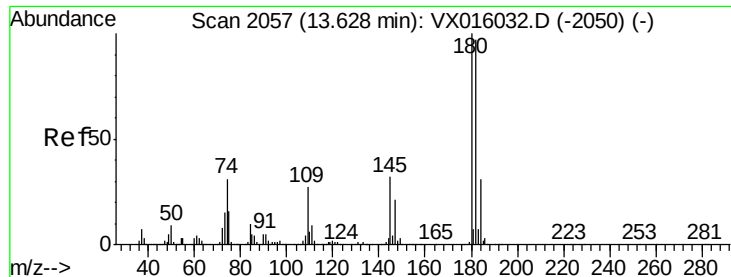
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 5/5/2020 11:35:20 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.605 ug/l
 RT: 12.99 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VX016031.D
 Acq: 04 May 2020 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	23943		
155	84.8	42.5	127.5	
157	110.4	55.3	165.8	





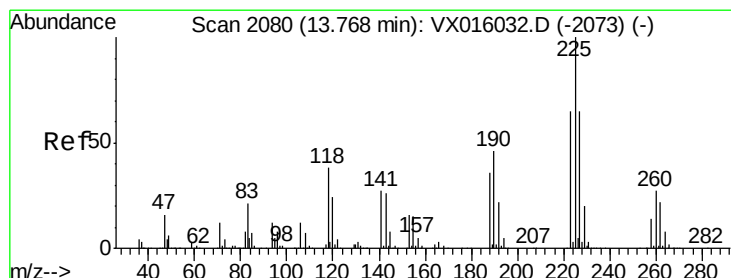
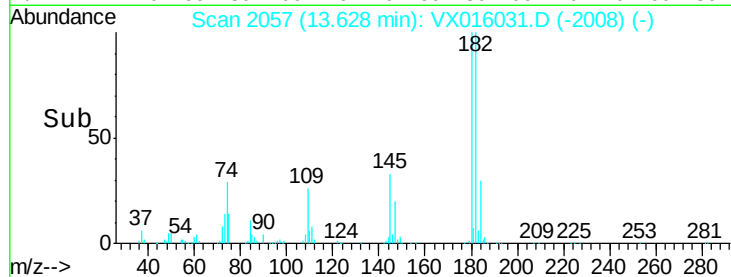
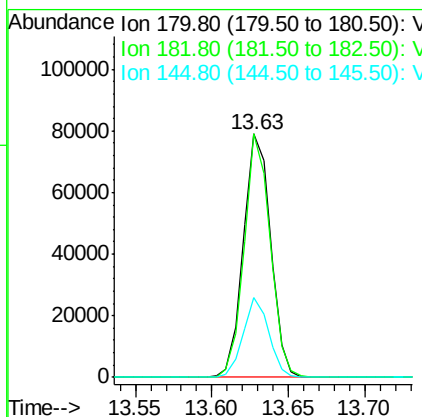
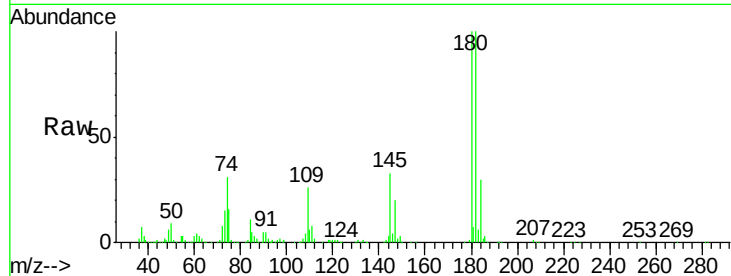
#93
 1,2,4-Trichlorobenzene
 Concen: 16.550 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016031.D
 Acq: 04 May 2020 12:25

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	97459		
182	95.2	48.7	146.1	
145	30.9	15.7	47.1	

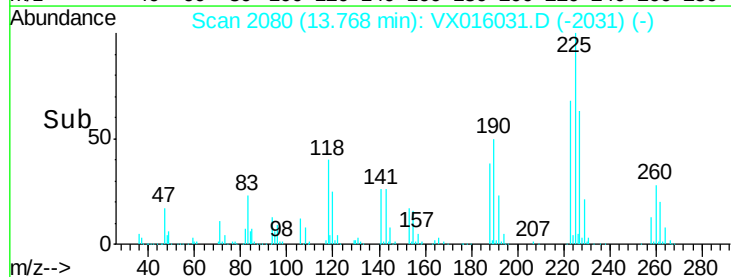
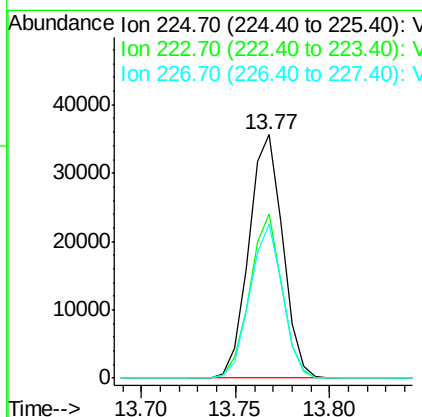
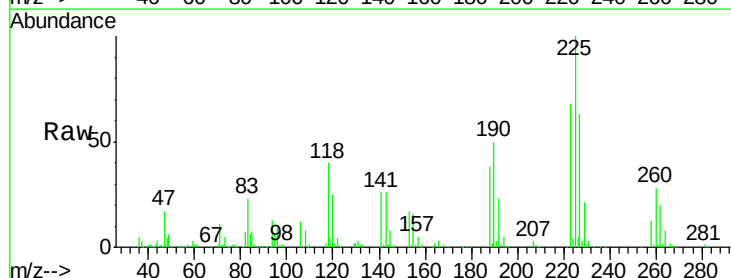
Manual Integrations
 APPROVED

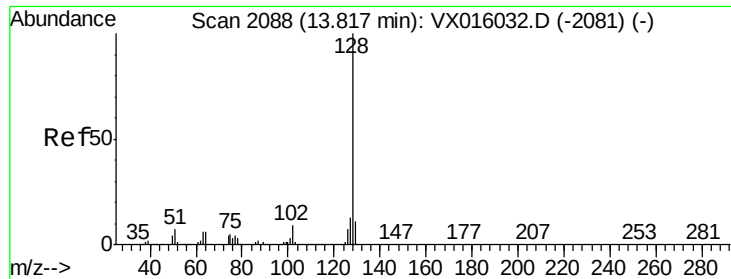
MMDadoda
 5/5/2020 11:35:20 AM



#94
 Hexachlorobutadiene
 Concen: 15.999 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX016031.D
 Acq: 04 May 2020 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	44249		
223	64.0	32.3	96.9	
227	61.1	31.8	95.4	





#95

Naphthalene

Concen: 17.145 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Instrument :

MSVOA_X

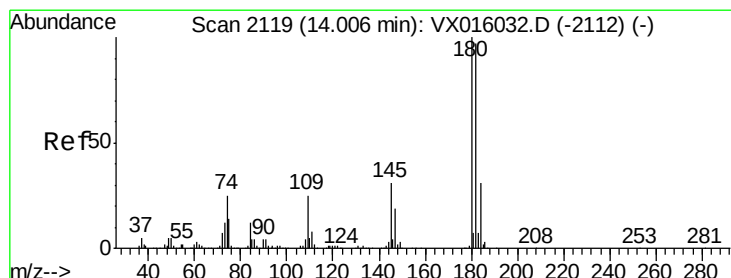
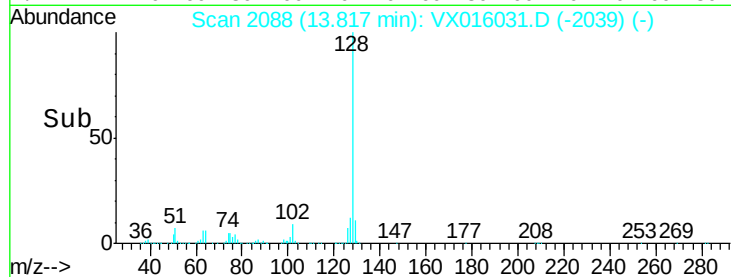
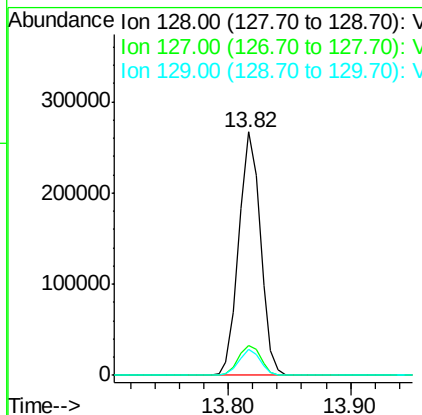
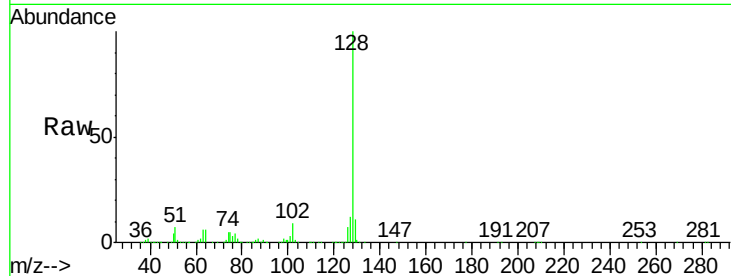
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	325048
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:35:20 AM



#96

1,2,3-Trichlorobenzene

Concen: 16.719 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VX016031.D

Acq: 04 May 2020 12:25

Tgt Ion:	180	Resp:	96333
Ion Ratio	Lower	Upper	
180	100		
182	96.3	48.4	145.0
145	32.5	16.4	49.1

