

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100920\
 Data File : VX018851.D
 Acq On : 09 Oct 2020 12:03
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/12/2020 2:23:21 PM

Quant Time: Oct 09 13:45:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100920W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 09 13:36:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	200835	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	298324	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	285802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	156132	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	51644	17.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.98%	
35) Dibromofluoromethane	5.46	113	36535	17.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.02%	
50) Toluene-d8	8.70	98	123454	16.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.88%	
62) 4-Bromofluorobenzene	11.12	95	48755	16.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	43765	22.226	ug/l	99
3) Chloromethane	1.31	50	36304	16.644	ug/l	96
4) Vinyl Chloride	1.40	62	39804	17.183	ug/l	97
5) Bromomethane	1.64	94	19745	14.376	ug/l	94
6) Chloroethane	1.72	64	24529	18.234	ug/l	93
7) Trichlorofluoromethane	1.92	101	74705	20.323	ug/l	95
8) Diethyl Ether	2.17	74	20782	16.631	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	35448	18.375	ug/l	98
10) Methyl Iodide	2.50	142	33374	16.610	ug/l	99
11) Tert butyl alcohol	3.01	59	40491	82.868	ug/l	100
12) 1,1-Dichloroethene	2.36	96	34348	17.813	ug/l	94
13) Acrolein	2.28	56	32956	101.453	ug/l	100
14) Allyl chloride	2.71	41	57988	15.692	ug/l	98
15) Acrylonitrile	3.12	53	88469	77.477	ug/l	98
16) Acetone	2.42	43	114921	104.202	ug/l	98
17) Carbon Disulfide	2.55	76	96191	16.758	ug/l	99
18) Methyl Acetate	2.75	43	43003	16.359	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	109909	16.354	ug/l	100
20) Methylene Chloride	2.84	84	39328	16.583	ug/l	93
21) trans-1,2-Dichloroethene	3.15	96	36886	16.431	ug/l	100
22) Diisopropyl ether	3.82	45	110621	16.070	ug/l	98
23) Vinyl Acetate	3.79	43	526777	84.940	ug/l	98
24) 1,1-Dichloroethane	3.67	63	70680	17.434	ug/l	99
25) 2-Butanone	4.64	43	143842	85.913	ug/l	97
26) 2,2-Dichloropropane	4.55	77	67868	17.896	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	41089	16.401	ug/l	99
28) Bromochloromethane	4.98	49	31499	16.790	ug/l	98
29) Tetrahydrofuran	5.09	42	76903	74.874	ug/l	97
30) Chloroform	5.18	83	78222	18.778	ug/l	99
31) Cyclohexane	5.55	56	48614	14.705	ug/l	94
32) 1,1,1-Trichloroethane	5.47	97	74608	19.050	ug/l	99
36) 1,1-Dichloropropene	5.77	75	52600	18.084	ug/l	99
37) Ethyl Acetate	4.80	43	54546	17.705	ug/l	98
38) Carbon Tetrachloride	5.76	117	70607	21.403	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Fri Oct 09 13:36:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	49267	15.470	ug/l	94
40) Benzene	6.12	78	150160	18.118	ug/l	98
41) Methacrylonitrile	5.00	41	29855	17.410	ug/l	98
42) 1,2-Dichloroethane	6.17	62	69740	21.083	ug/l	99
43) Isopropyl Acetate	6.42	43	84991	16.689	ug/l	98
44) Trichloroethene	7.19	130	43121	17.919	ug/l	98
45) 1,2-Dichloropropane	7.49	63	39007	17.222	ug/l	95
46) Dibromomethane	7.64	93	28955	18.455	ug/l	97
47) Bromodichloromethane	7.88	83	62702	19.568	ug/l	92
48) Methyl methacrylate	7.74	41	43883	17.577	ug/l	97
49) 1,4-Dioxane	7.71	88	12685	314.604	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	273871	89.915	ug/l	99
52) Toluene	8.76	92	97104	18.469	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	64174	17.774	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	67728	18.350	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	41315	18.968	ug/l	94
56) Ethyl methacrylate	9.16	69	52654	16.489	ug/l	98
57) 1,3-Dichloropropane	9.35	76	68407	18.687	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.29	63	151201	88.602	ug/l	100
59) 2-Hexanone	9.47	43	209937	90.633	ug/l	99
60) Dibromochloromethane	9.57	129	51857	19.801	ug/l	97
61) 1,2-Dibromoethane	9.65	107	44536	19.177	ug/l	99
64) Tetrachloroethene	9.32	164	39755	17.738	ug/l	96
65) Chlorobenzene	10.12	112	107024	18.078	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	45261	19.040	ug/l	100
67) Ethyl Benzene	10.24	91	183098	17.844	ug/l	93
68) m/p-Xylenes	10.34	106	145956	37.509	ug/l	97
69) o-Xylene	10.68	106	65150	17.738	ug/l	99
70) Styrene	10.70	104	115701	18.278	ug/l	99
71) Bromoform	10.84	173	37702	18.779	ug/l #	94
73) Isopropylbenzene	11.00	105	184683	17.662	ug/l	100
74) N-amyl acetate	10.88	43	72373	15.657	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	58852	17.165	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	59165m	18.073	ug/l	
77) Bromobenzene	11.24	156	51254	17.779	ug/l	99
78) n-propylbenzene	11.34	91	208238	17.118	ug/l	99
79) 2-Chlorotoluene	11.40	91	131086	17.750	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	158547	17.705	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.06	75	20308	16.144	ug/l	97
82) 4-Chlorotoluene	11.49	91	155973	17.731	ug/l	100
83) tert-Butylbenzene	11.76	119	152791	17.556	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	161518	17.961	ug/l	99
85) sec-Butylbenzene	11.93	105	176158	17.242	ug/l	99
86) p-Isopropyltoluene	12.05	119	169993	18.008	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	88727	17.120	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	89665	17.135	ug/l	99
89) n-Butylbenzene	12.37	91	136392	15.782	ug/l	99
90) Hexachloroethane	12.58	117	29358	15.852	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	85745	17.626	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	15018	17.916	ug/l	98

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ClientSampleId :
VSTDICC020

Manual Integrations
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QLast Update : Fri Oct 09 13:36:35 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	55526	16.554	ug/l	93
94) Hexachlorobutadiene	13.76	225	23911	16.964	ug/l	94
95) Naphthalene	13.82	128	159682	15.777	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	53888	16.771	ug/l	97

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

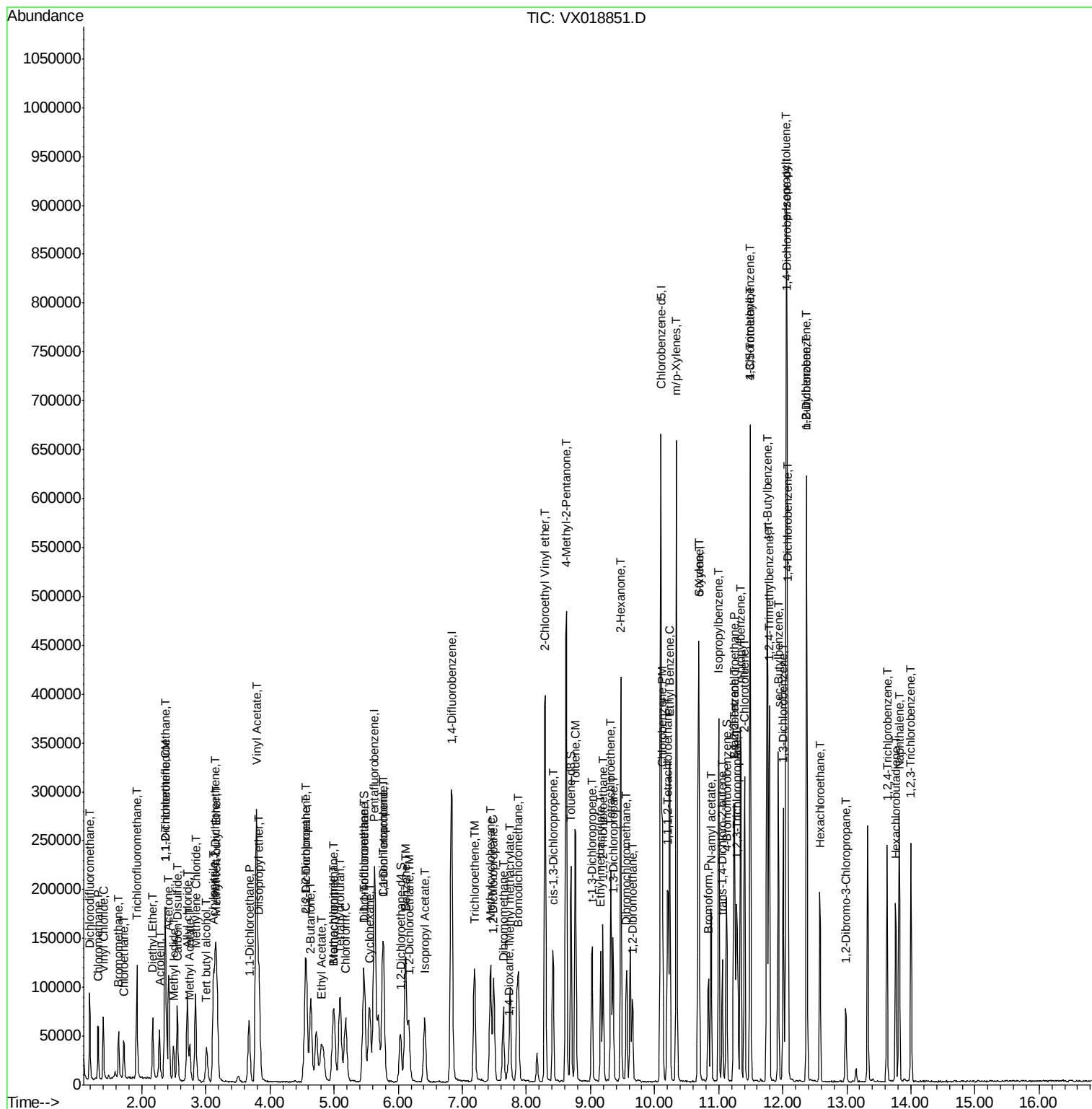
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Data File : VX018851.D
Acq On : 09 Oct 2020 12:03
Operator : JC/SP
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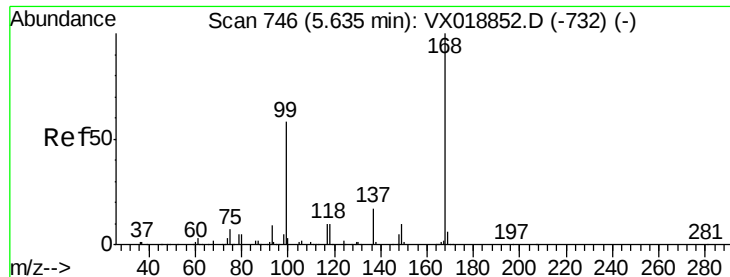
Instrument :
MSVOA_X
Client Sample ID :
VSTDIC020

Manual Integrations
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 200835

Ion Ratio Lower Upper

168 100

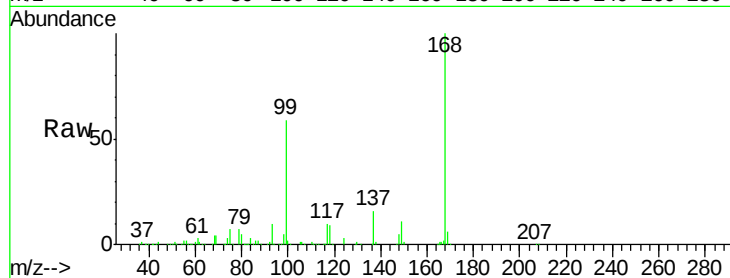
99 59.0 46.1 69.1

Manual Integrations

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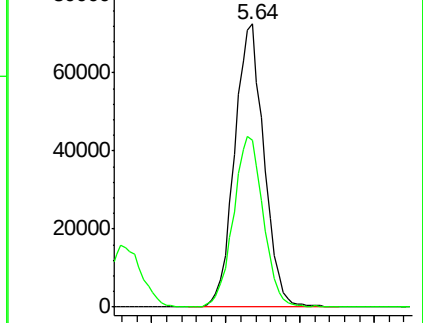
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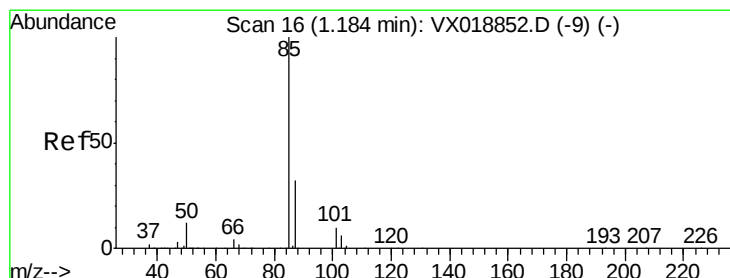
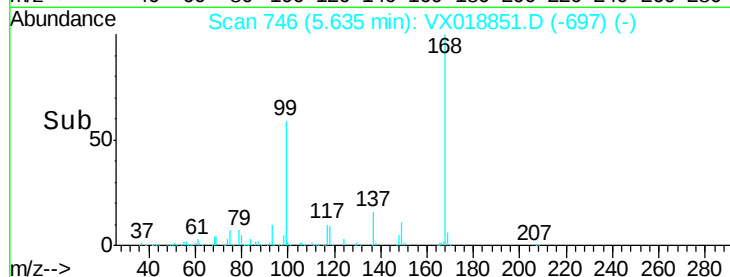


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



Time-->



#2

Dichlorodifluoromethane

Concen: 22.226 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018851.D

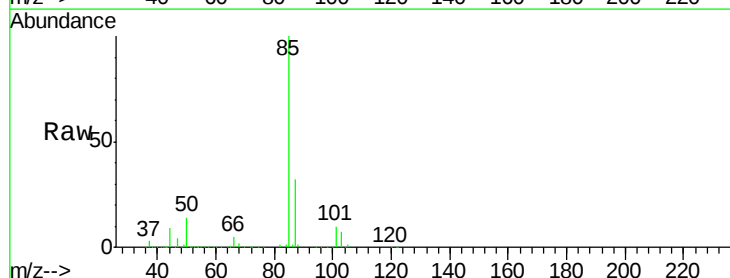
Acq: 09 Oct 2020 12:03

Tgt Ion: 85 Resp: 43765

Ion Ratio Lower Upper

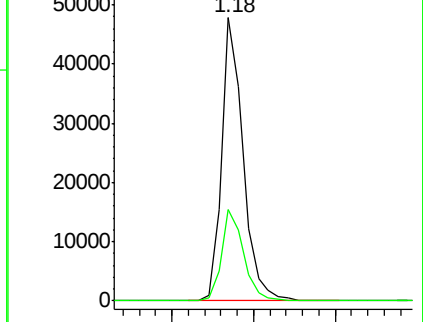
85 100

87 32.2 15.9 47.7

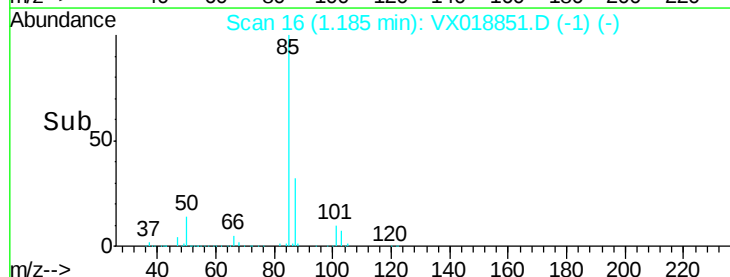


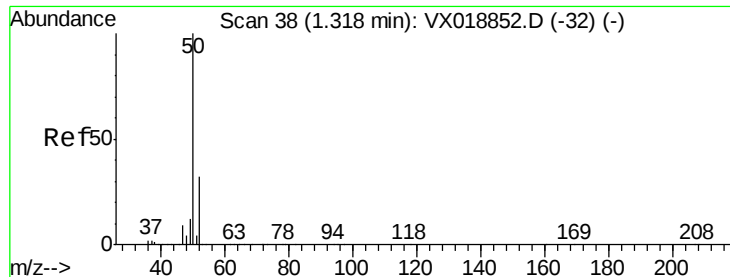
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0



Time-->





#3

Chloromethane

Concen: 16.644 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 36304

Ion Ratio Lower Upper

50 100

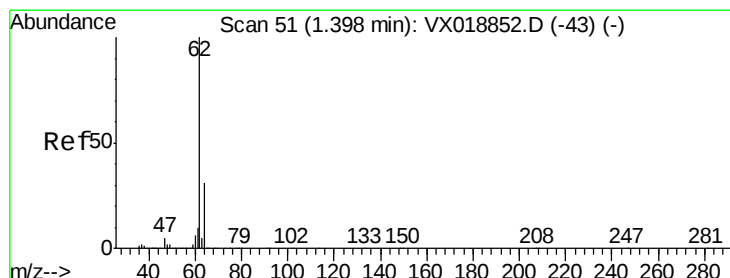
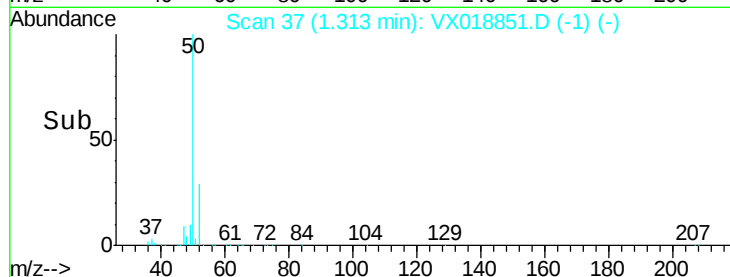
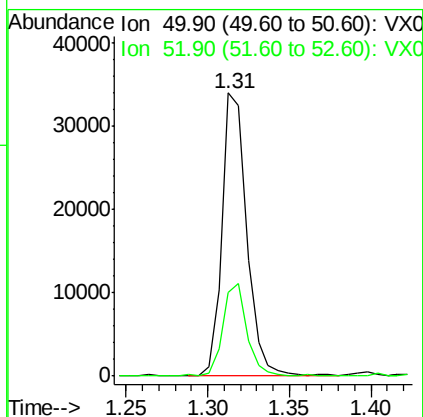
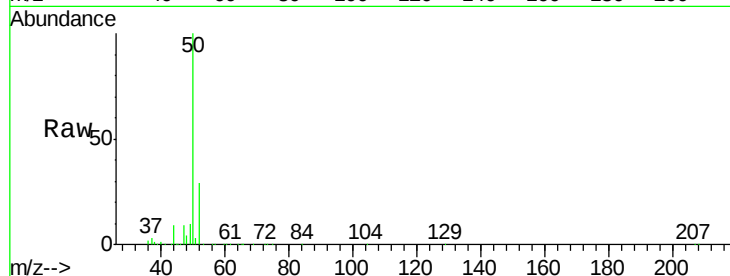
52 29.0 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.183 ug/l

RT: 1.40 min Scan# 51

Delta R.T. 0.00 min

Lab File: VX018851.D

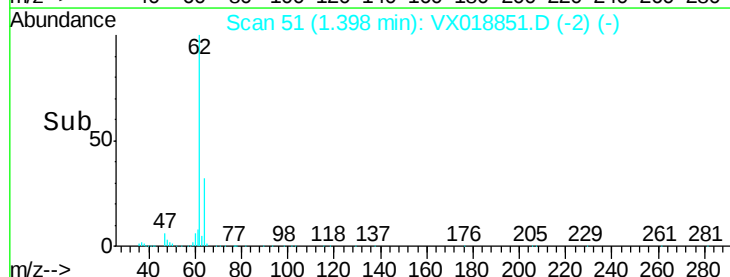
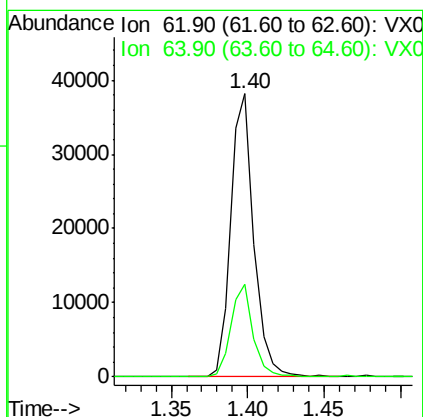
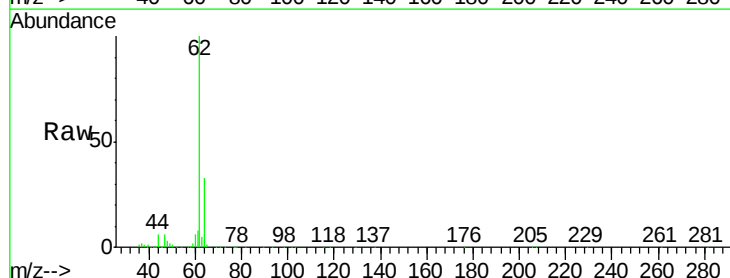
Acq: 09 Oct 2020 12:03

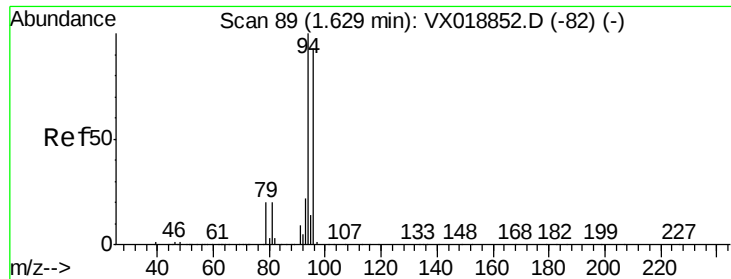
Tgt Ion: 62 Resp: 39804

Ion Ratio Lower Upper

62 100

64 32.4 24.6 37.0





#5

Bromomethane

Concen: 14.376 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

Instrument :

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Tot Ion: 94 Resp: 19745

Ion Ratio Lower Upper

94 100

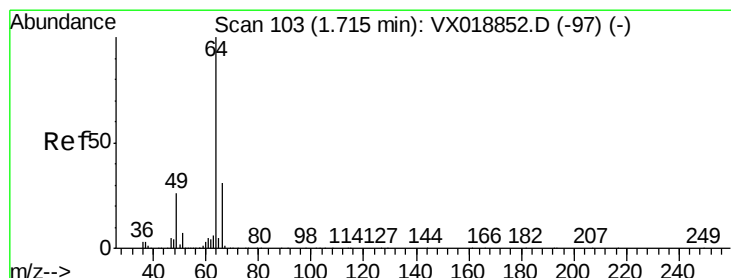
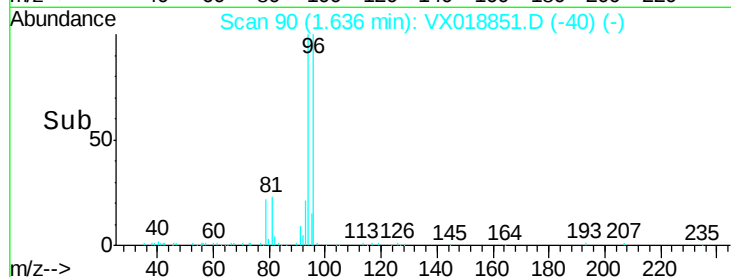
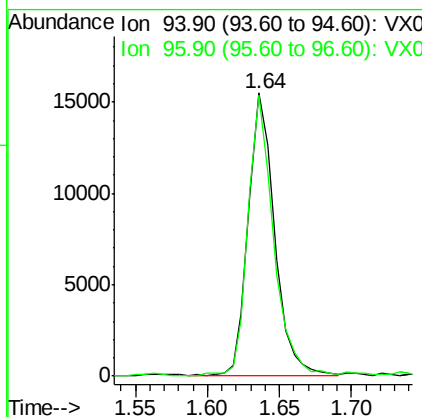
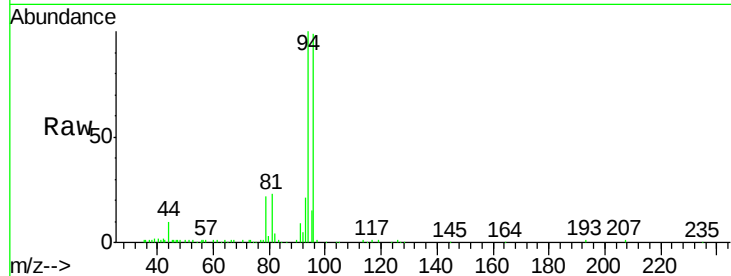
96 99.2 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 18.234 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX018851.D

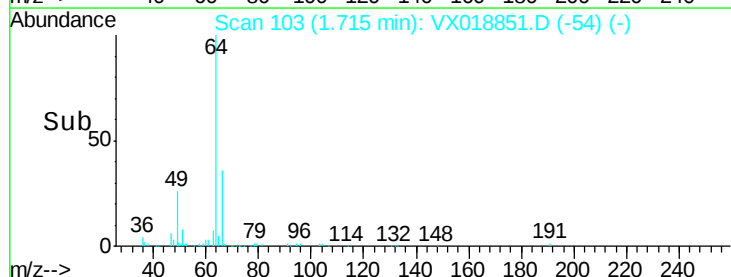
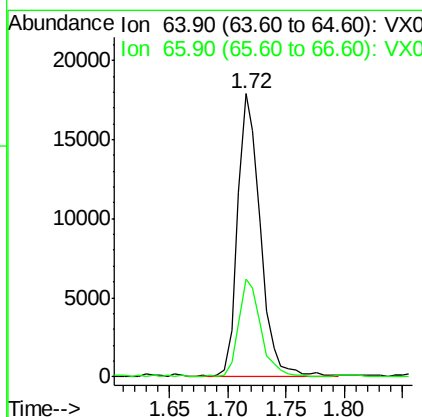
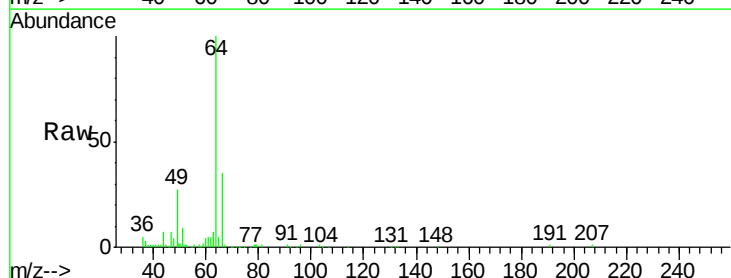
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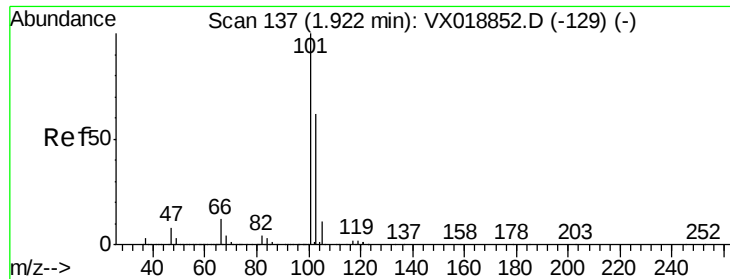
Tgt Ion: 64 Resp: 24529

Ion Ratio Lower Upper

64 100

66 34.7 24.7 37.1





#7

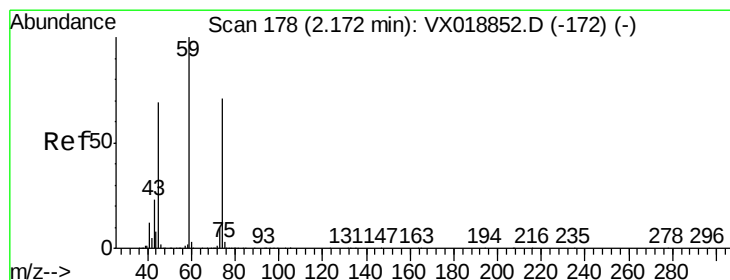
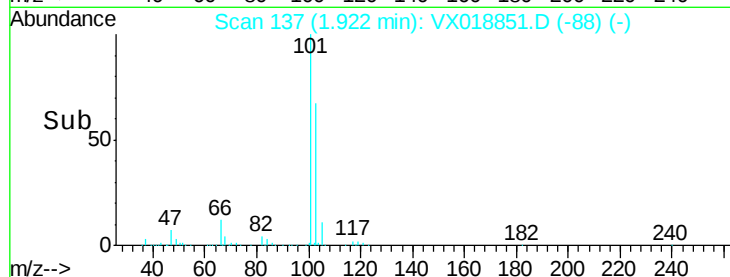
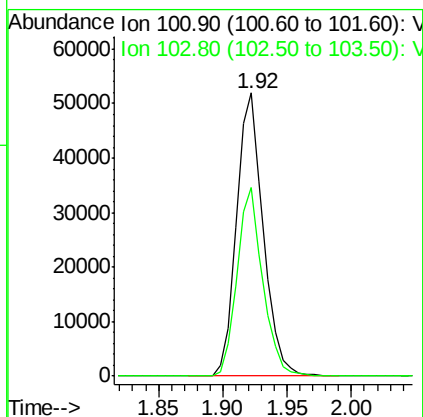
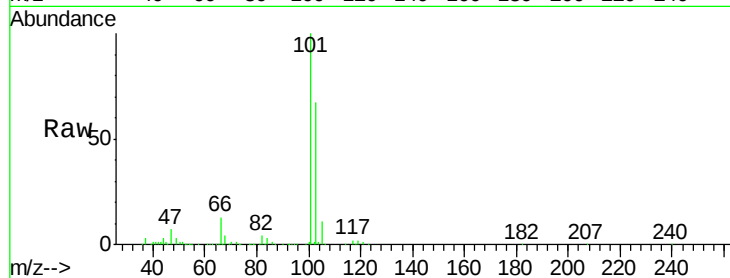
Trichlorofluoromethane
Concen: 20.323 ug/l
RT: 1.92 min Scan# 137
Delta R.T. 0.00 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

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ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	50.0	75.0

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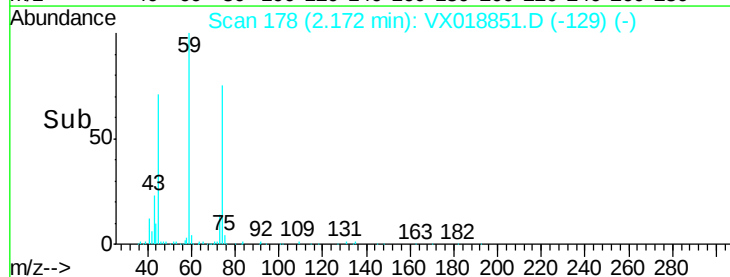
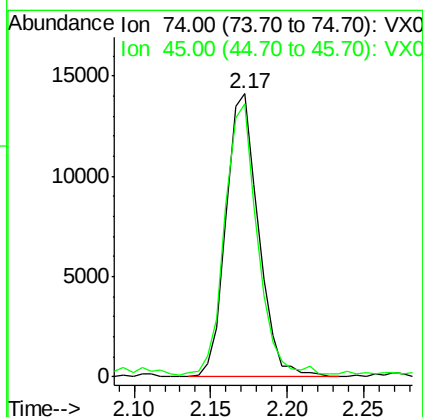
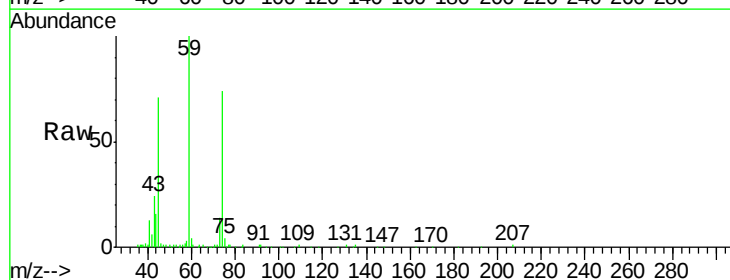
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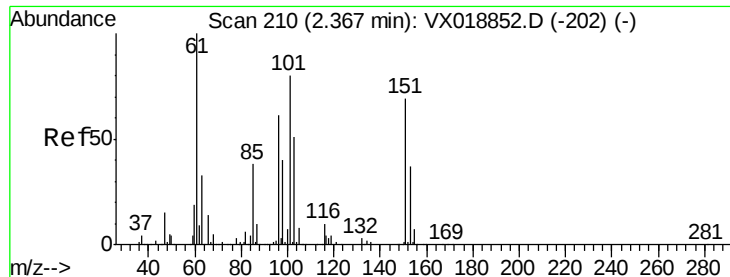


#8

Diethyl Ether
Concen: 16.631 ug/l
RT: 2.17 min Scan# 178
Delta R.T. 0.00 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.0	47.0	141.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.375 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

Instrument :

MSVOA_X

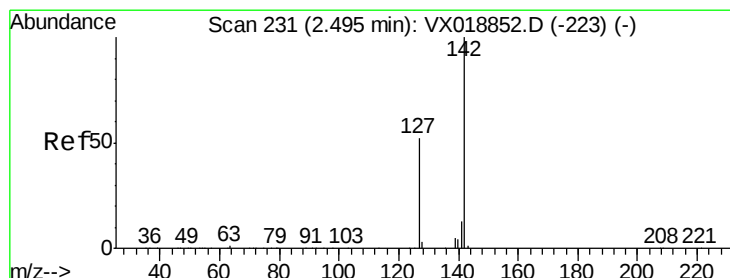
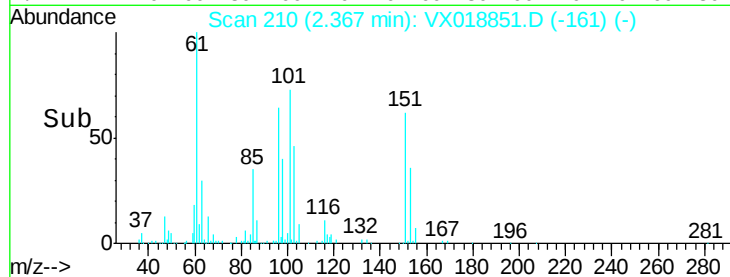
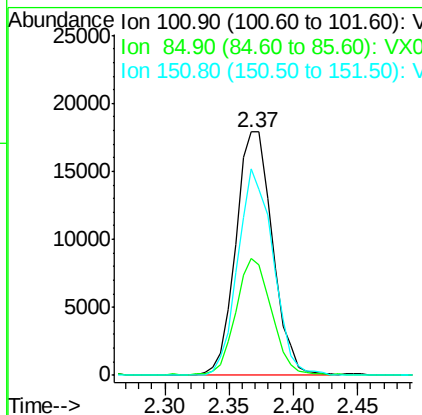
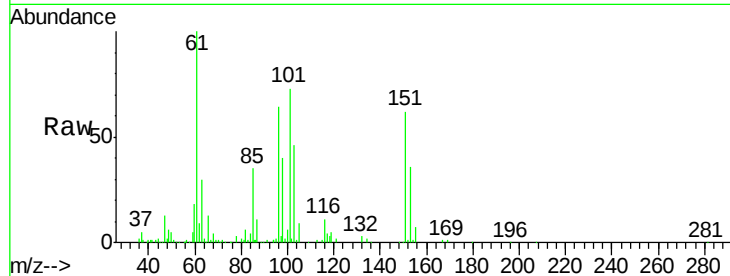
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	35448
Ion Ratio	Lower	Upper	
101	100		
85	46.8	36.6	55.0
151	81.7	67.2	100.8

Manual Integrations
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#10

Methyl Iodide

Concen: 16.610 ug/l

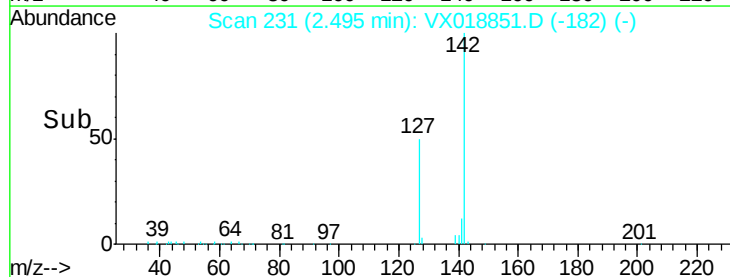
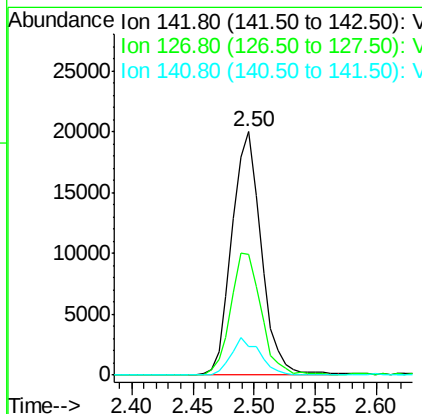
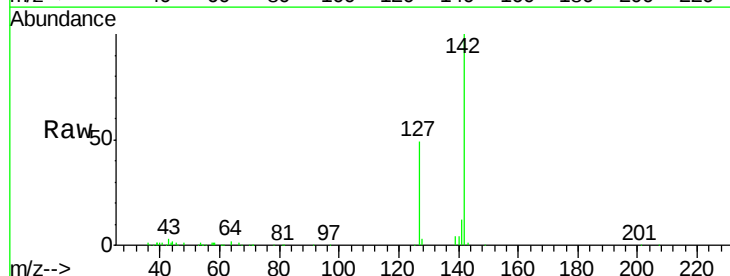
RT: 2.50 min Scan# 231

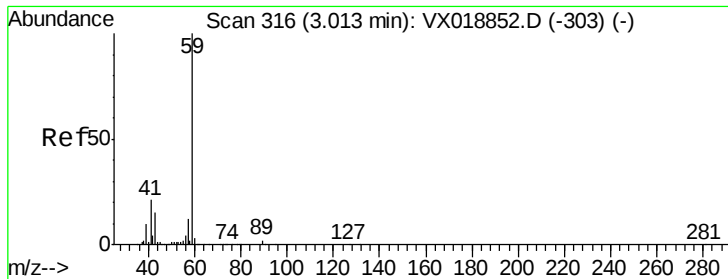
Delta R.T. 0.00 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

Tgt Ion:	142	Resp:	33374
Ion Ratio	Lower	Upper	
142	100		
127	51.8	42.0	63.0
141	14.8	11.8	17.6





#11

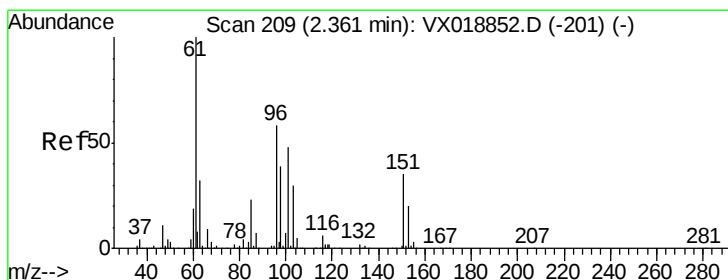
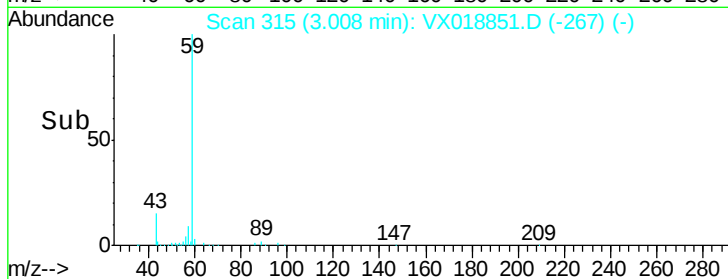
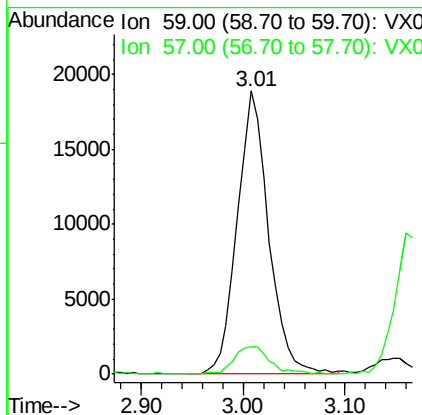
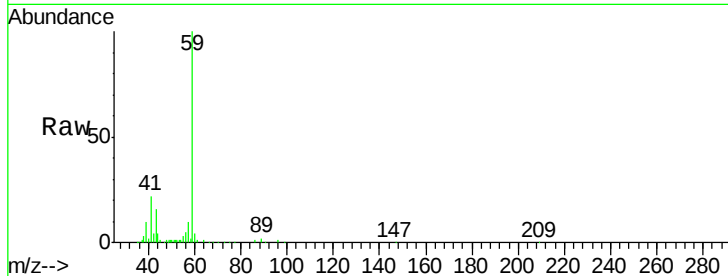
Tert butyl alcohol
 Concen: 82.868 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX018851.D
 Acq: 09 Oct 2020 12:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	9.0	13.6

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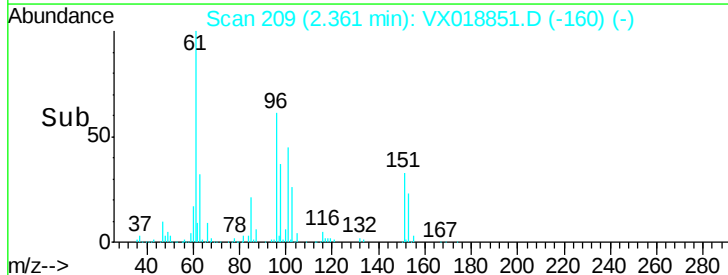
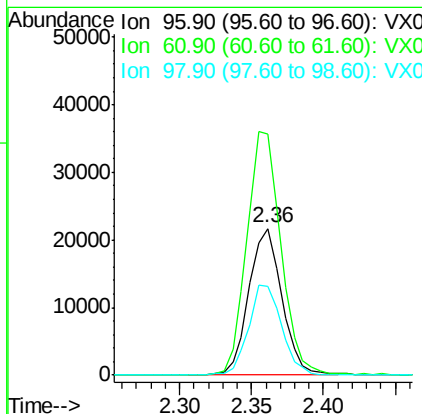
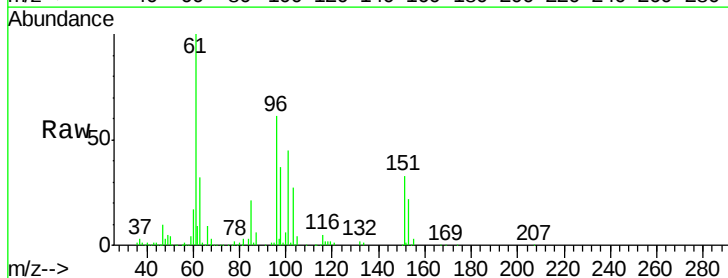
MMDadoda
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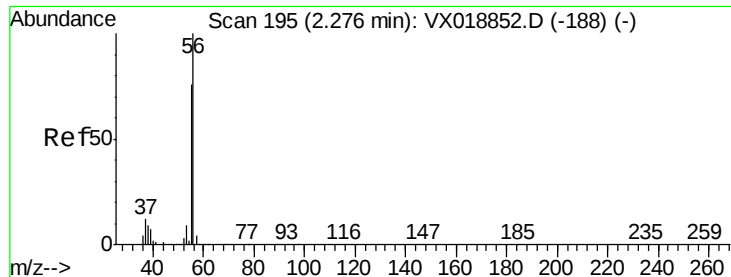


#12

1,1-Dichloroethene
 Concen: 17.813 ug/l
 RT: 2.36 min Scan# 209
 Delta R.T. 0.00 min
 Lab File: VX018851.D
 Acq: 09 Oct 2020 12:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.8	137.0	205.6
98	60.9	53.9	80.9





#13

Acrolein

Concen: 101.453 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.00 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 32956

Ion Ratio Lower Upper

56 100

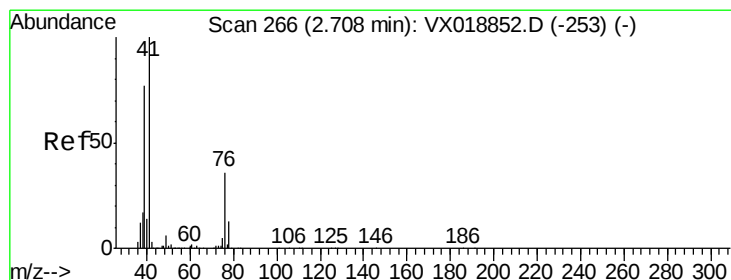
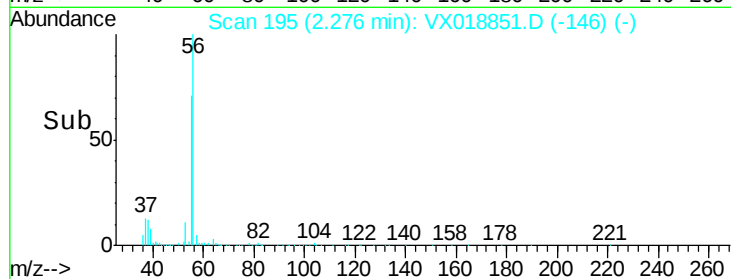
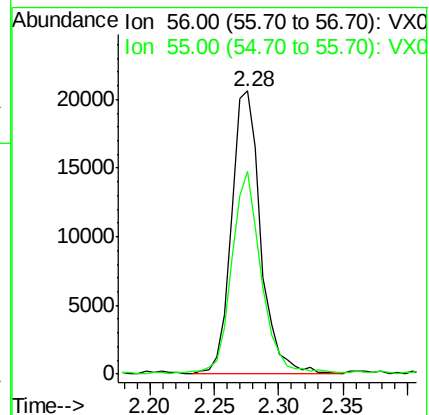
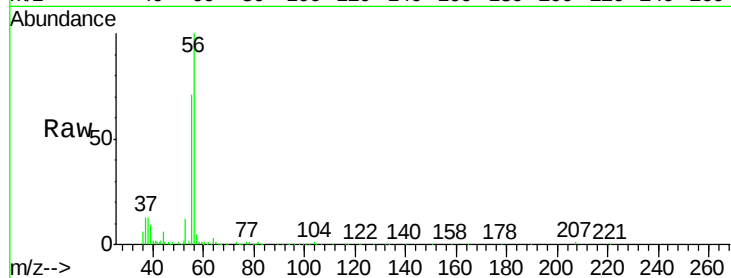
55 73.1 58.6 87.8

Manual Integrations

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#14

Allyl chloride

Concen: 15.692 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

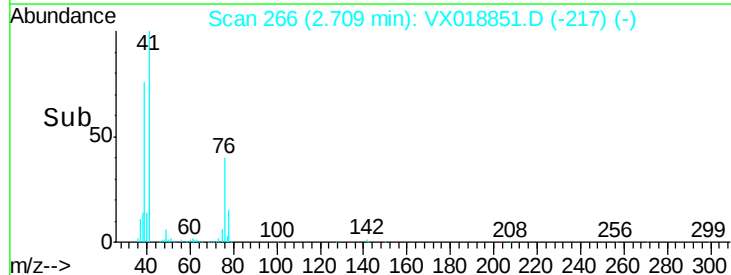
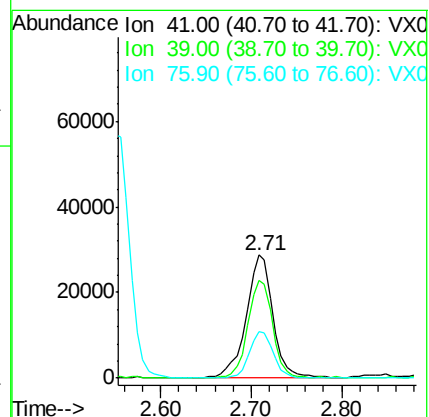
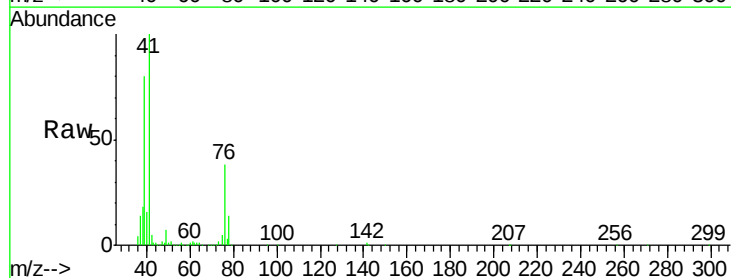
Tgt Ion: 41 Resp: 57988

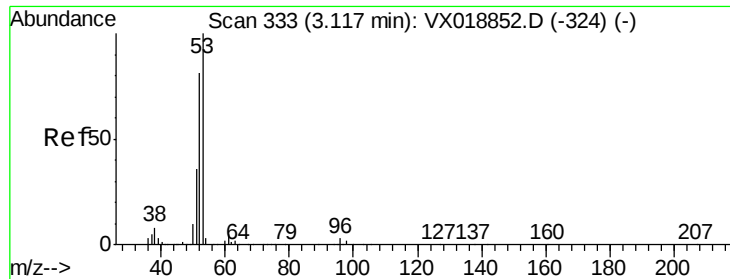
Ion Ratio Lower Upper

41 100

39 75.0 57.8 86.8

76 33.8 26.8 40.2





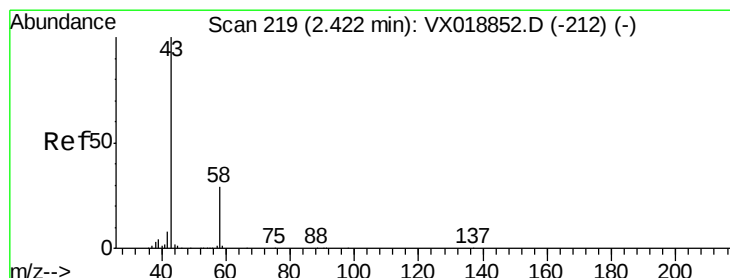
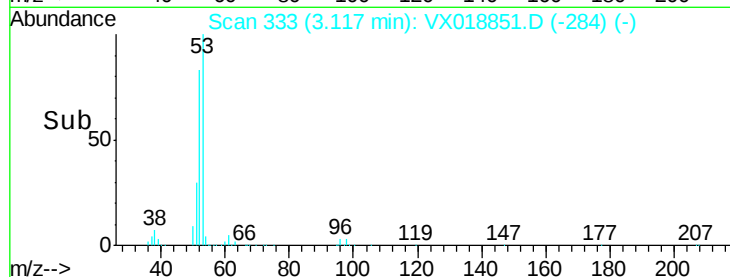
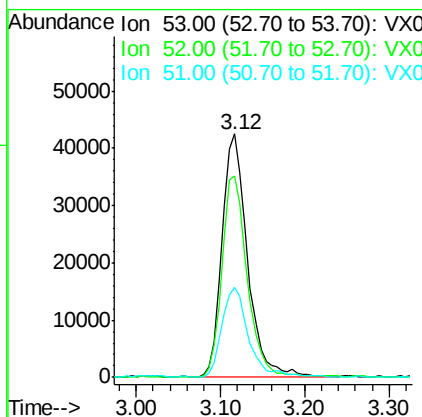
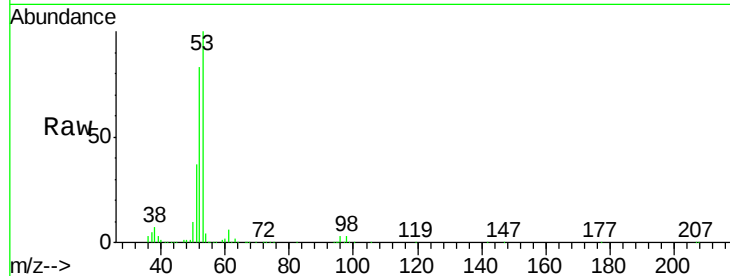
#15
 Acrylonitrile
 Concen: 77.477 ug/l
 RT: 3.12 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VX018851.D
 Acq: 09 Oct 2020 12:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.7	100.1
51	39.2	30.3	45.5

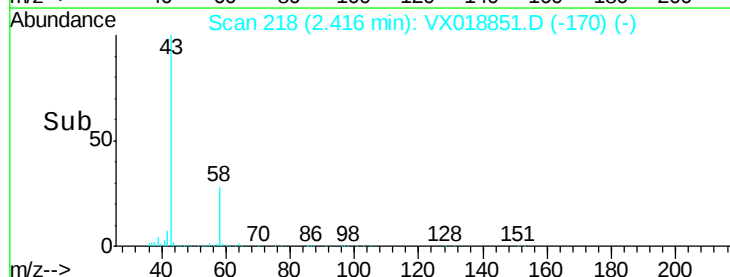
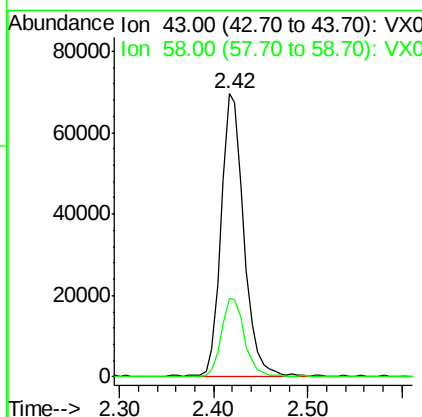
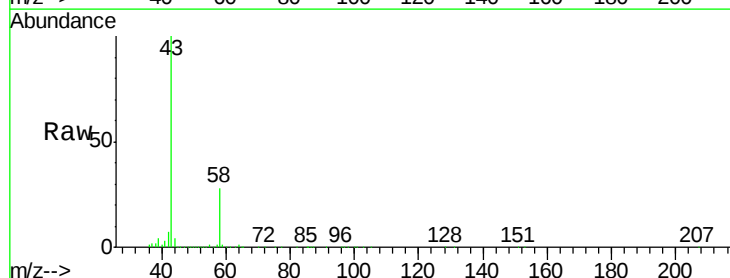
Manual Integrations
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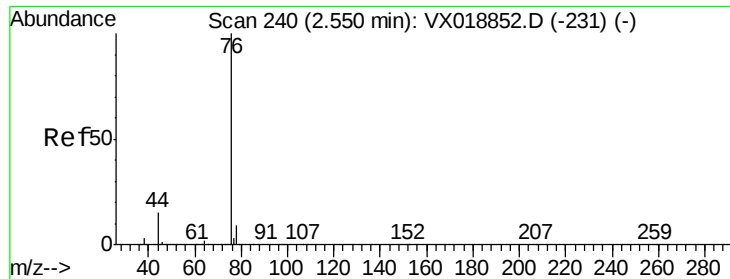
MMDadoda
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#16
 Acetone
 Concen: 104.202 ug/l
 RT: 2.42 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VX018851.D
 Acq: 09 Oct 2020 12:03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.6	23.0	34.4





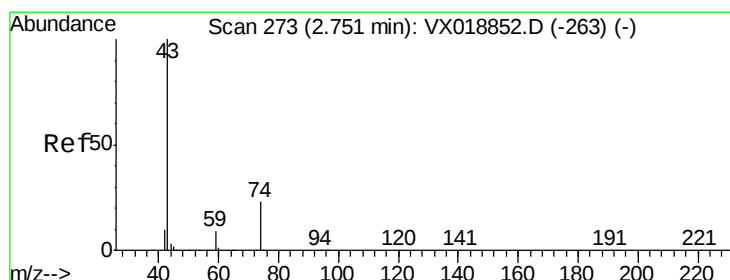
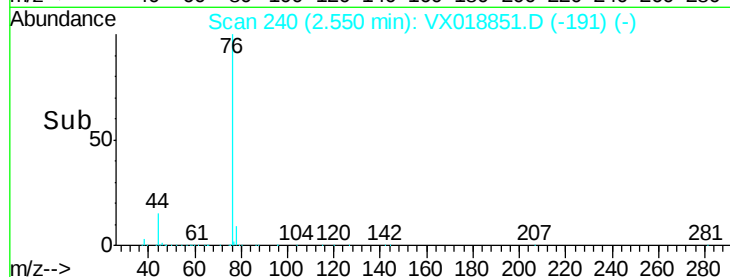
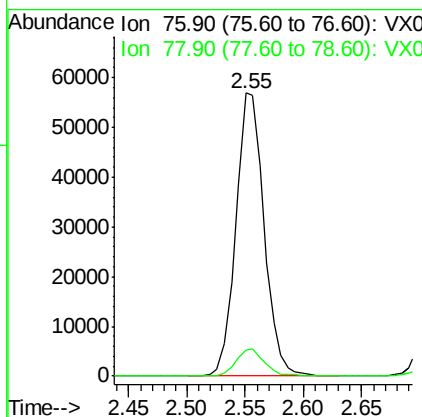
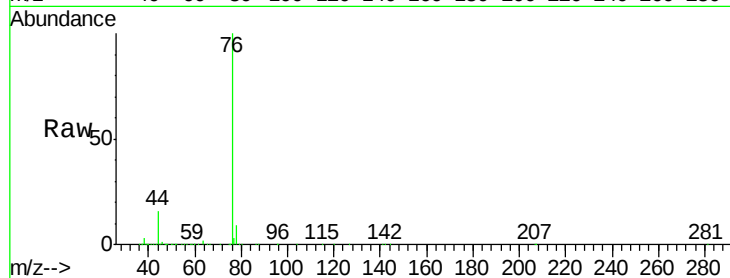
#17
Carbon Disulfide
Concen: 16.758 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

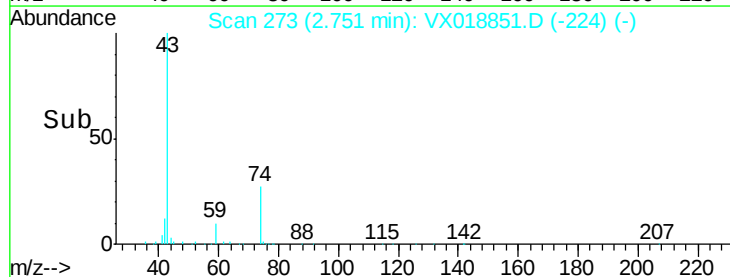
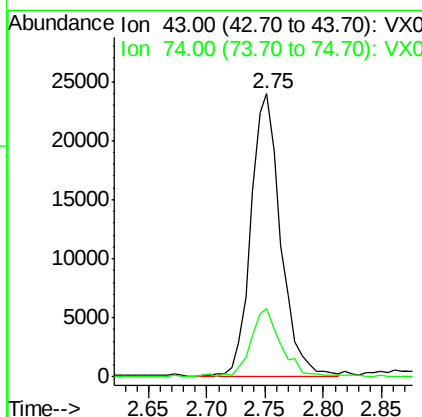
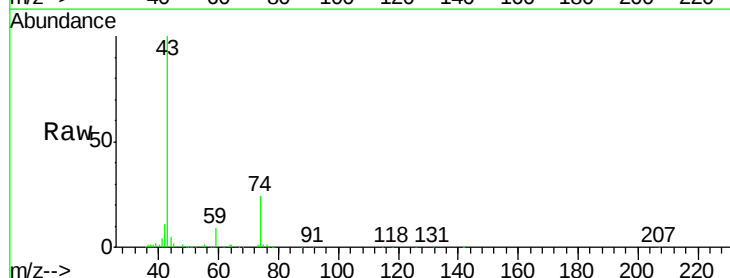
Manual Integrations
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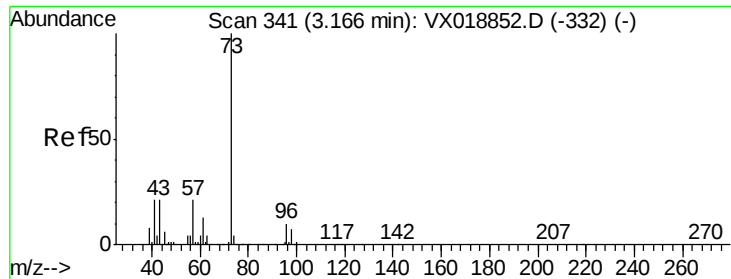
MMDadoda
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#18
Methyl Acetate
Concen: 16.359 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	18.9	28.3





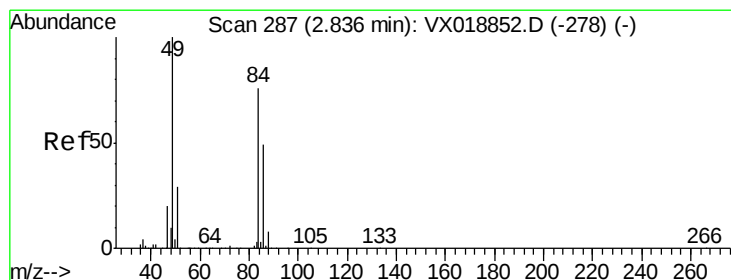
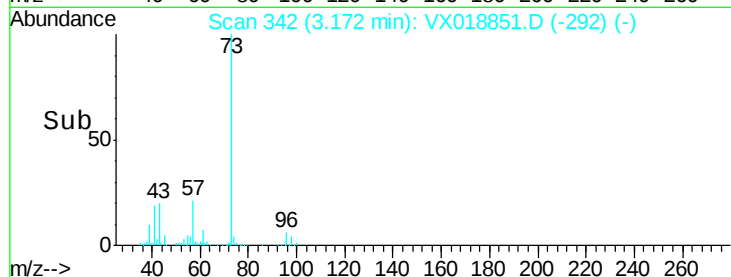
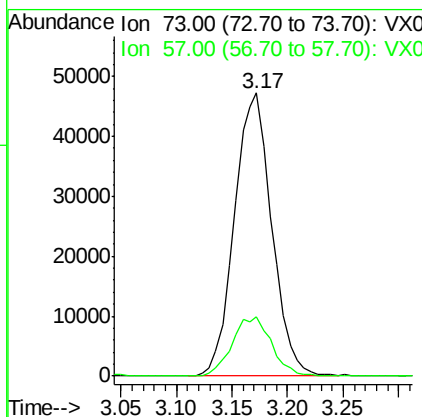
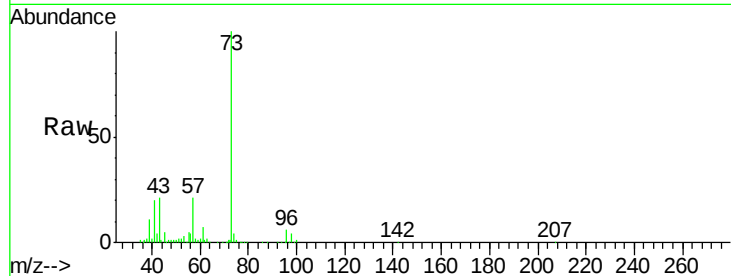
#19
Methyl tert-butyl Ether
Concen: 16.354 ug/l
RT: 3.17 min Scan# 342
Delta R.T. 0.01 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 109909
Ion Ratio Lower Upper
73 100
57 20.8 16.7 25.1

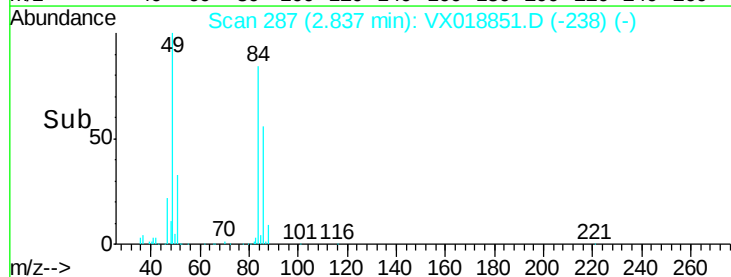
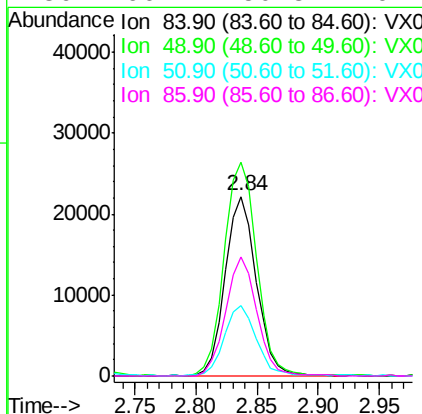
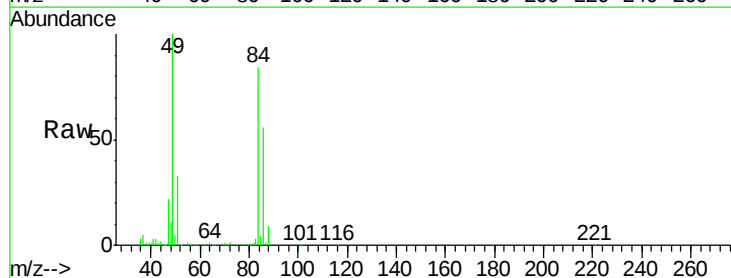
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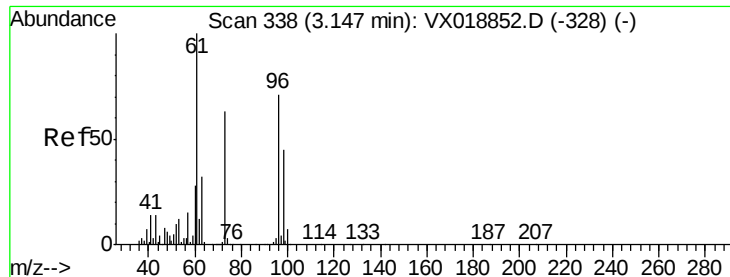
MMDadoda
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#20
Methylene Chloride
Concen: 16.583 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Tgt Ion: 84 Resp: 39328
Ion Ratio Lower Upper
84 100
49 118.4 104.8 157.2
51 38.7 30.6 46.0
86 66.4 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 16.431 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.00 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

Instrument :

MSVOA_X

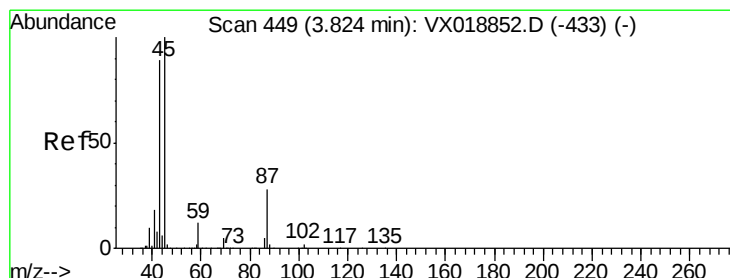
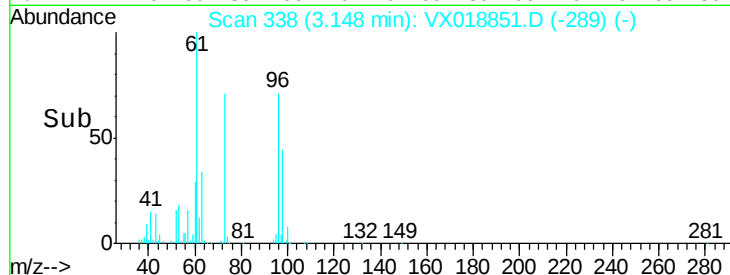
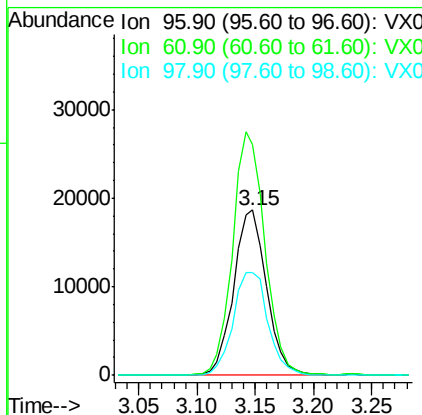
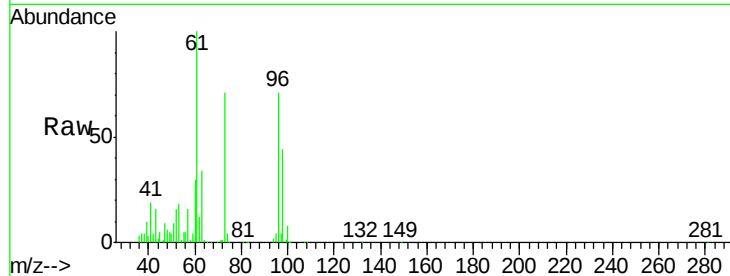
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	36886
Ion	Ratio	Lower	Upper
96	100		
61	139.8	112.0	168.0
98	62.0	50.2	75.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 16.070 ug/l

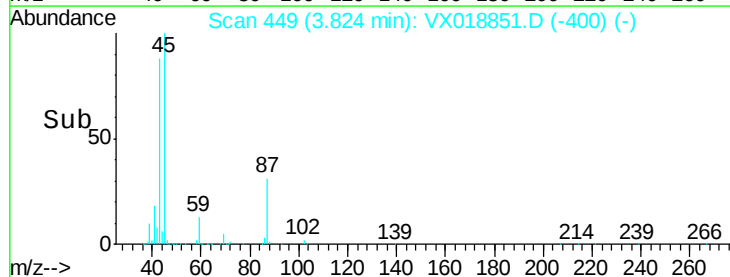
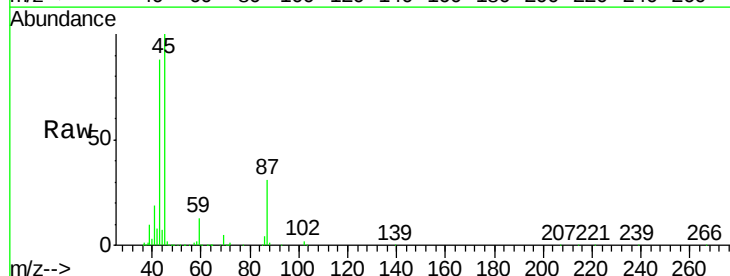
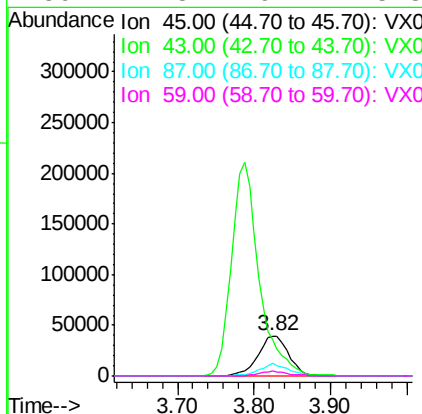
RT: 3.82 min Scan# 449

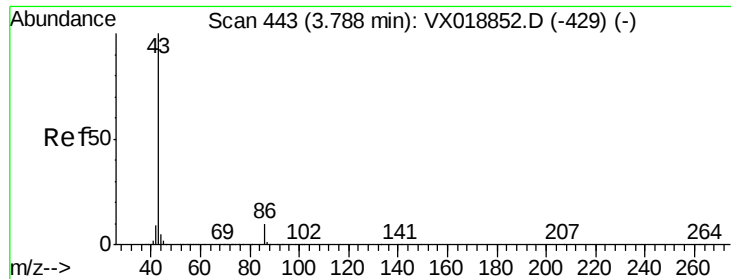
Delta R.T. 0.00 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

Tgt Ion:	45	Resp:	110621
Ion	Ratio	Lower	Upper
45	100		
43	87.9	71.2	106.8
87	31.1	22.5	33.7
59	12.8	9.2	13.8





#23

Vinyl Acetate

Concen: 84.940 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 526777

Ion Ratio Lower Upper

43 100

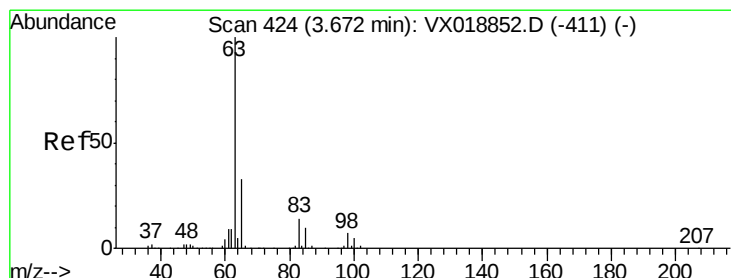
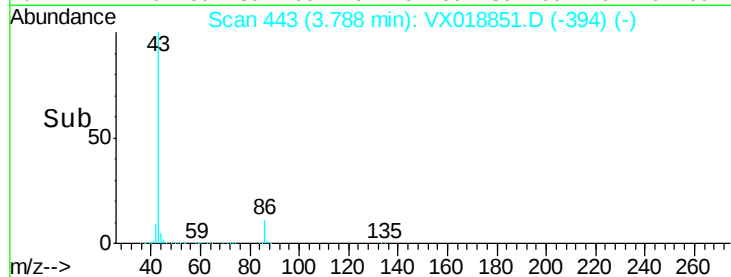
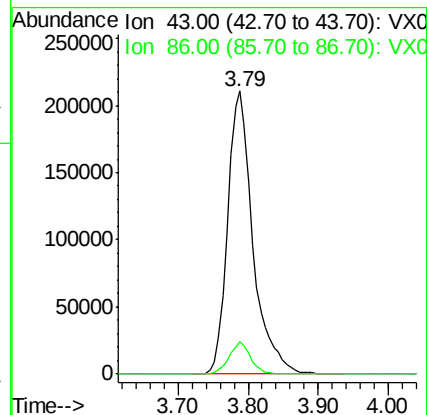
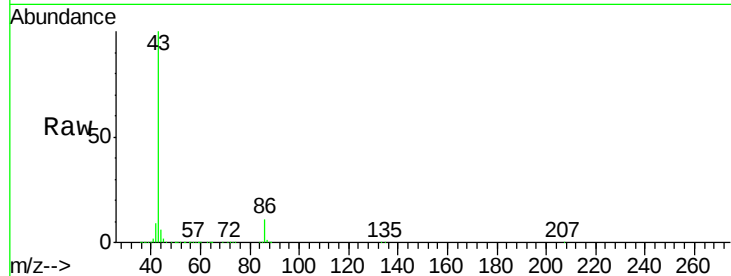
86 11.3 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 17.434 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

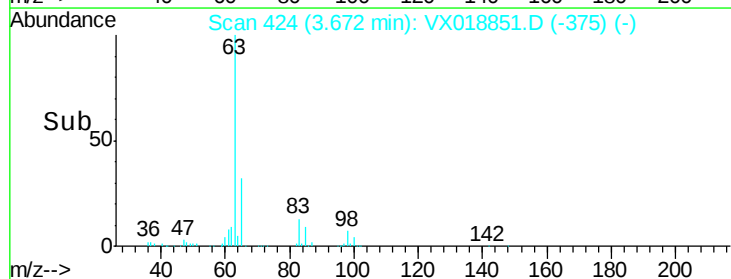
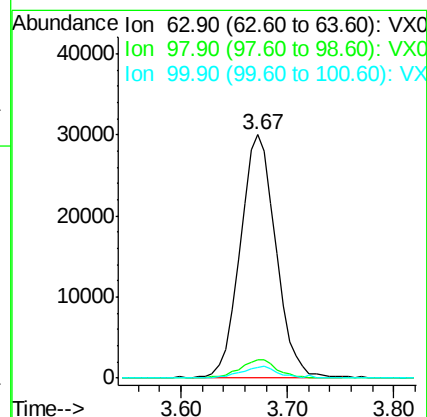
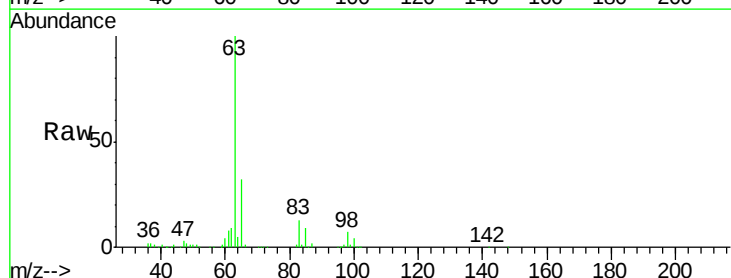
Tgt Ion: 63 Resp: 70680

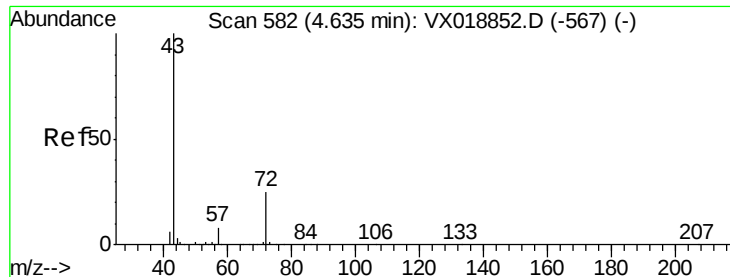
Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.2

100 4.2 2.5 7.6





#25

2-Butanone

Concen: 85.913 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 143842

Ion Ratio Lower Upper

43 100

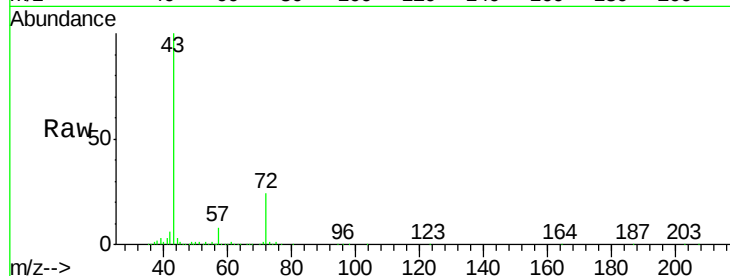
72 24.0 20.2 30.4

Manual Integrations

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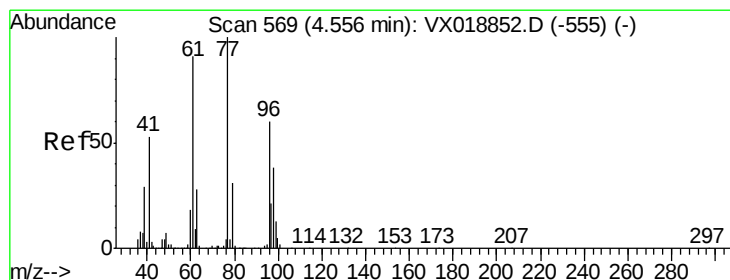
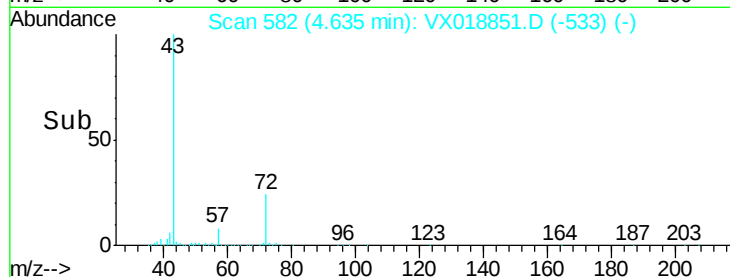
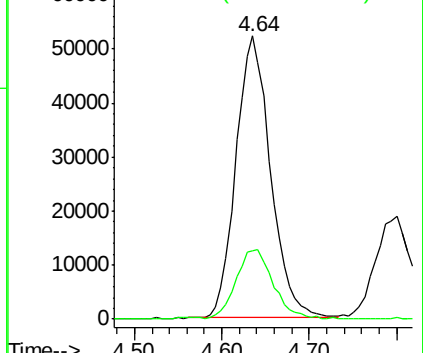
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 17.896 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VX018851.D

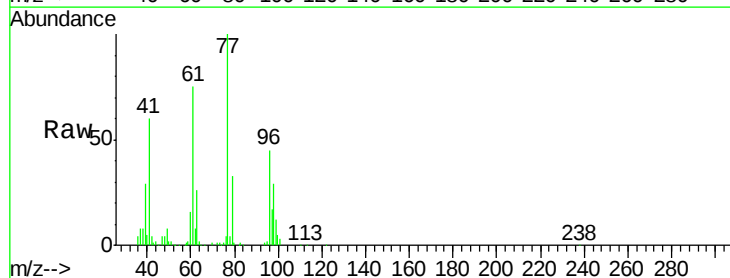
Acq: 09 Oct 2020 12:03

Tgt Ion: 77 Resp: 67868

Ion Ratio Lower Upper

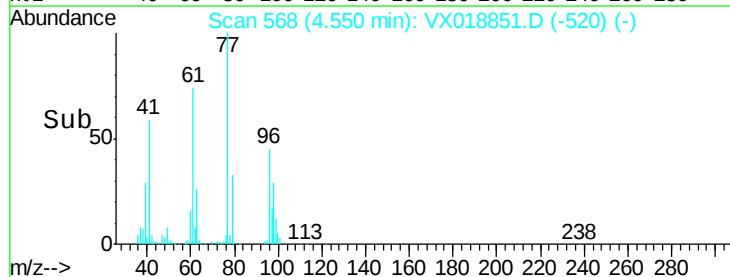
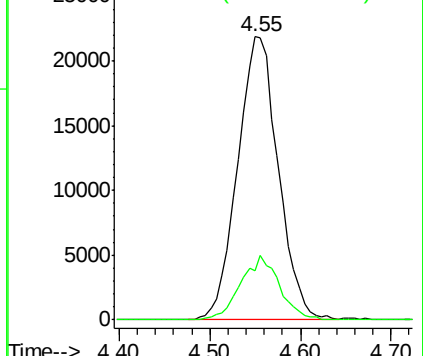
77 100

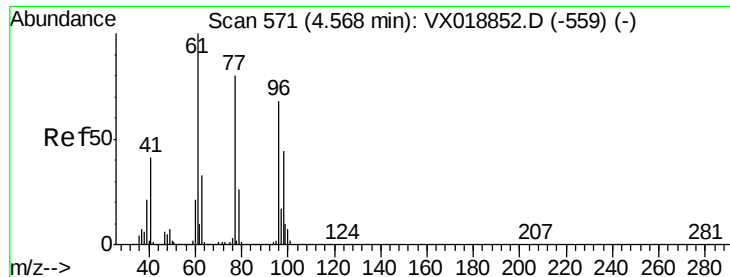
97 21.6 10.4 31.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

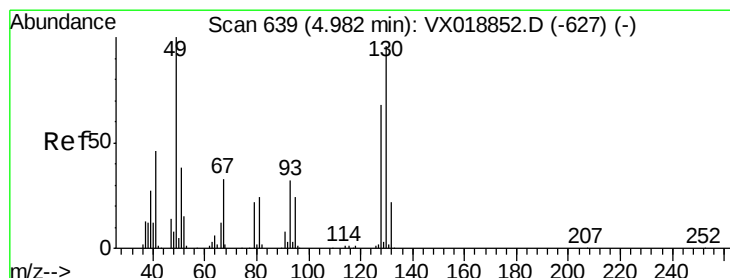
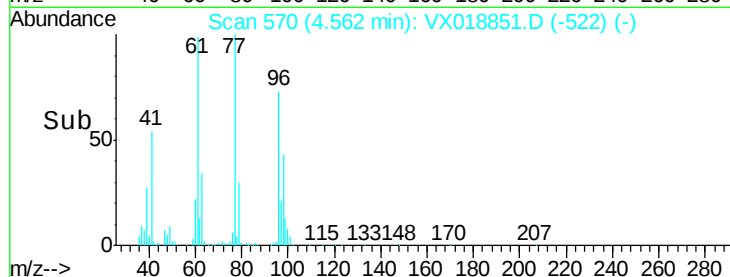
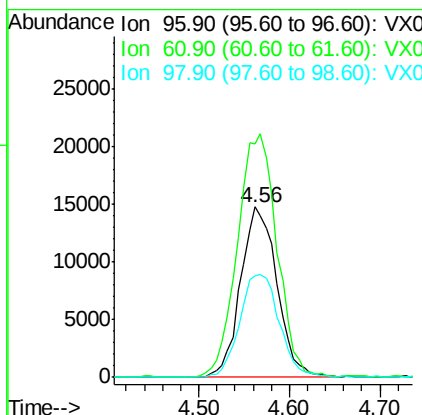
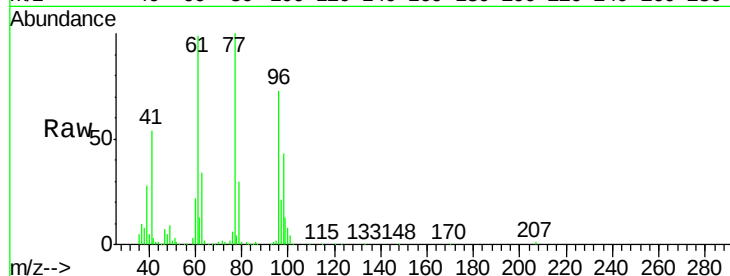
cis-1,2-Dichloroethene
Concen: 16.401 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.2	0.0	306.8
98	65.3	0.0	130.2

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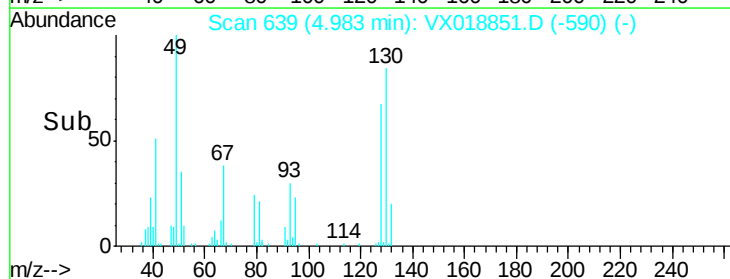
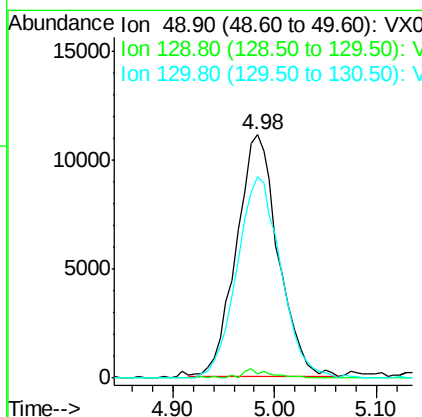
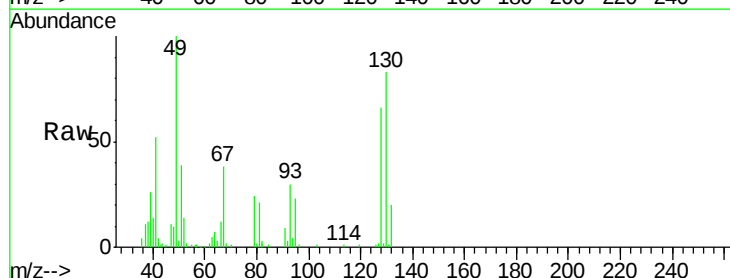
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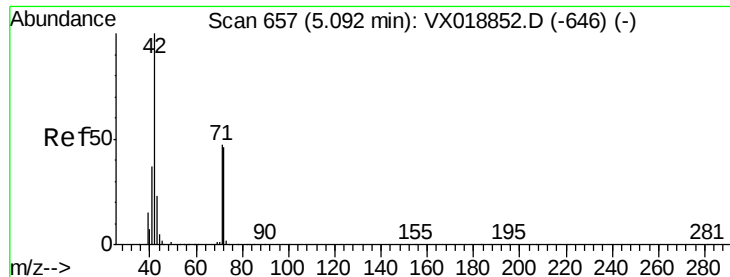


#28

Bromochloromethane
Concen: 16.790 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.4
130	87.4	71.2	106.8





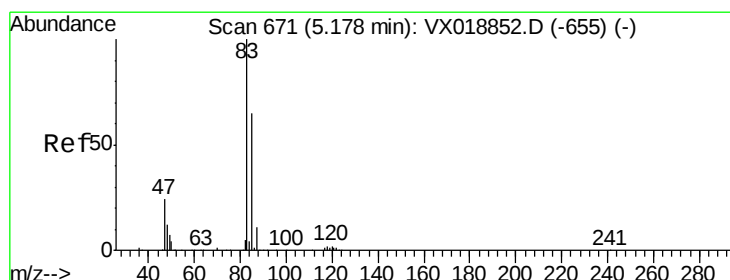
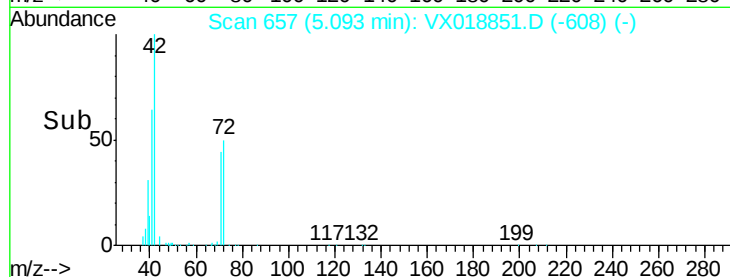
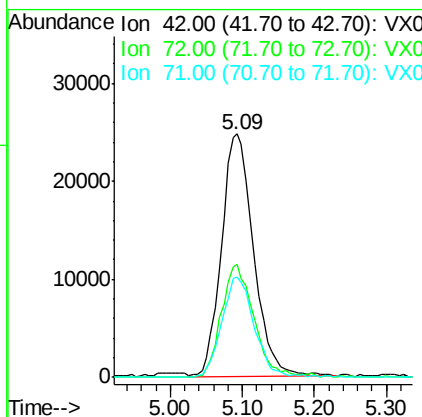
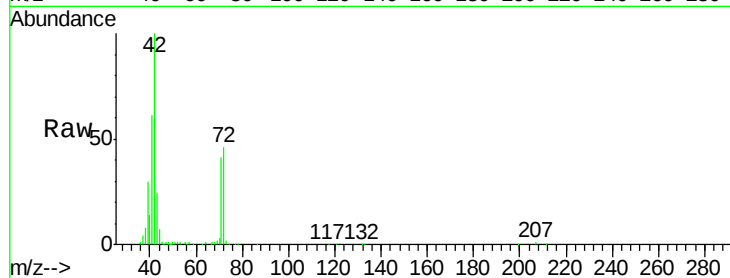
#29
Tetrahydrofuran
Concen: 74.874 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	36.4	54.6
71	41.2	35.2	52.8

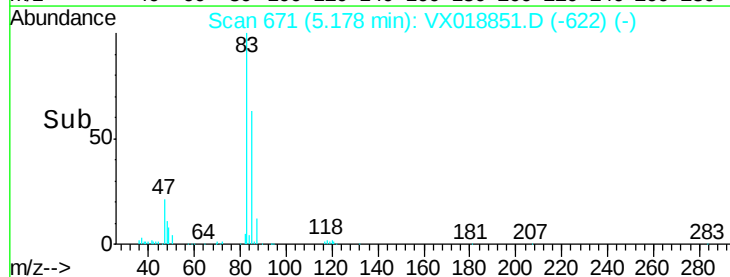
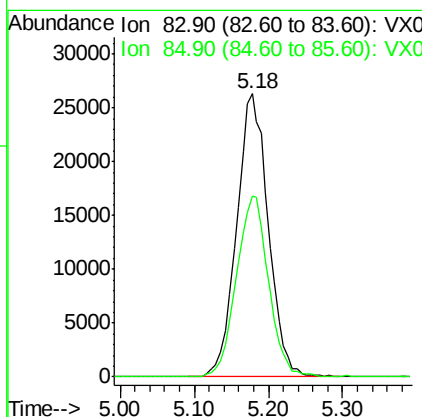
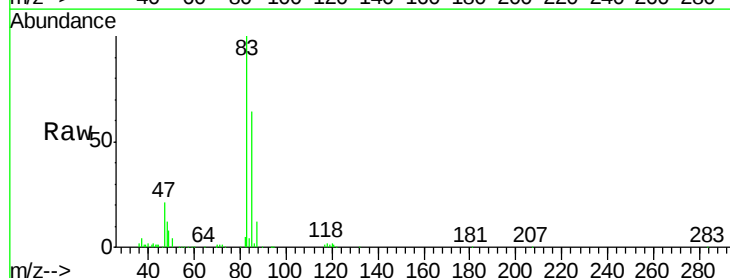
Manual Integrations
APPROVED

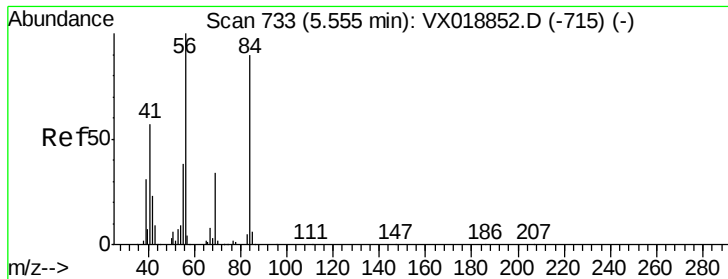
MMDadoda
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#30
Chloroform
Concen: 18.778 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.8





#31

Cyclohexane

Concen: 14.705 ug/l

RT: 5.55 min Scan# 732

Delta R.T. -0.01 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

Instrument :

MSVOA_X

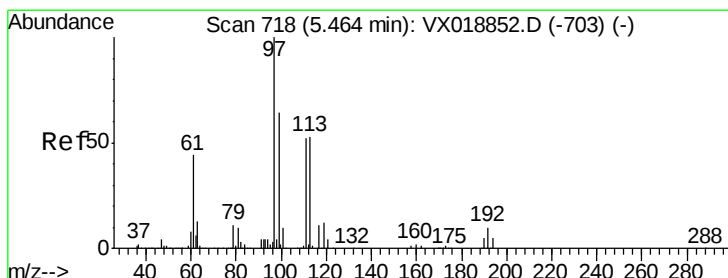
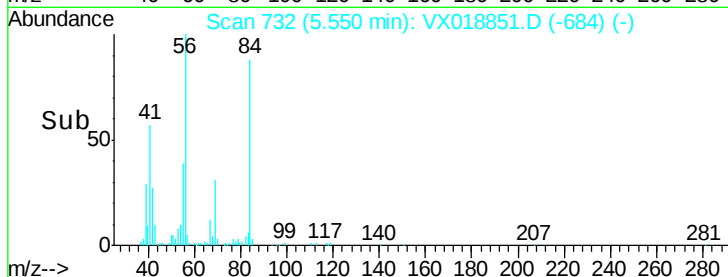
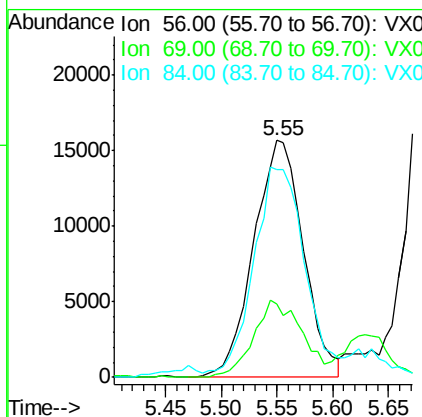
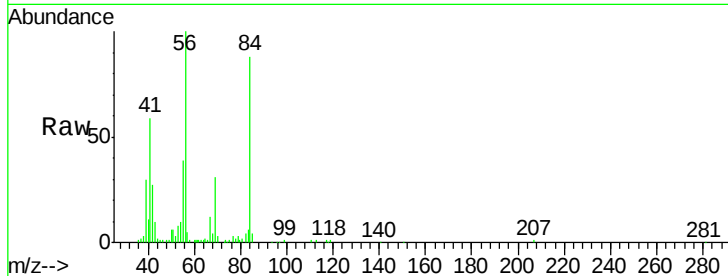
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	48614
Ion	Ratio	Lower	Upper
56	100		
69	31.1	27.1	40.7
84	83.0	71.7	107.5

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#32

1,1,1-Trichloroethane

Concen: 19.050 ug/l

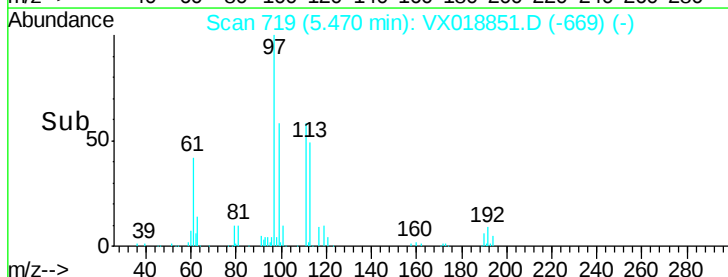
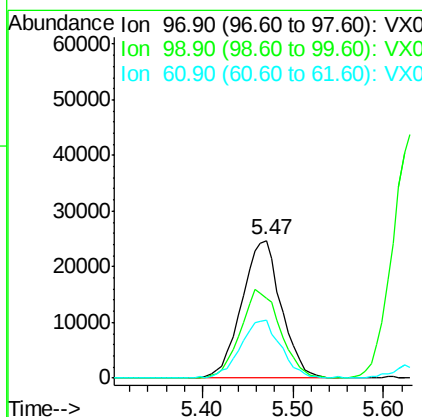
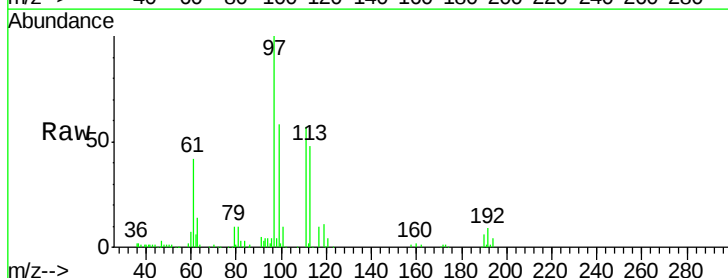
RT: 5.47 min Scan# 719

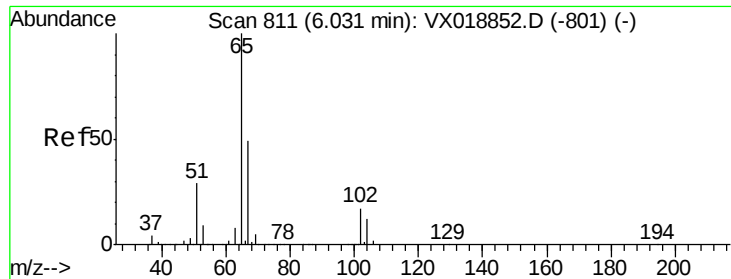
Delta R.T. 0.01 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

Tgt Ion:	97	Resp:	74608
Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.1	78.1
61	42.8	35.3	52.9





#33

1,2-Dichloroethane-d4

Concen: 17.988 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 51644

Ion Ratio Lower Upper

65 100

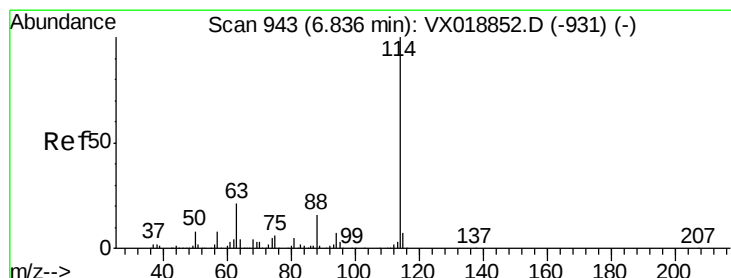
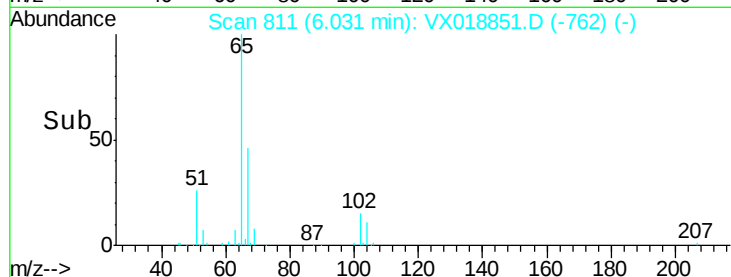
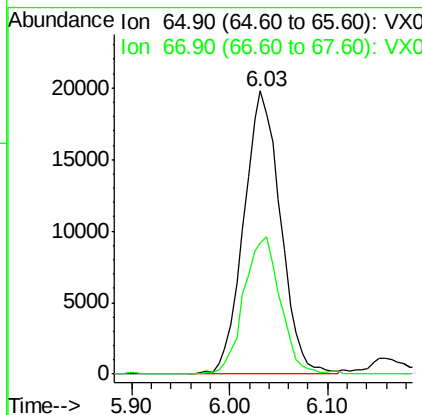
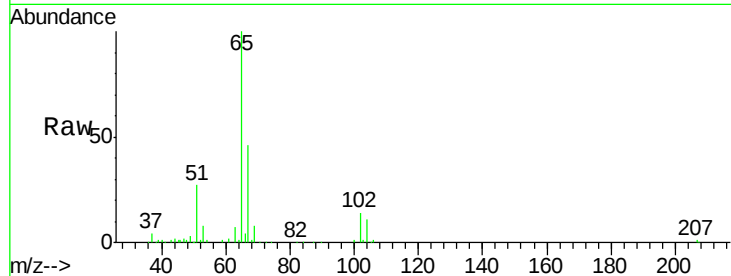
67 47.8 0.0 97.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.00 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

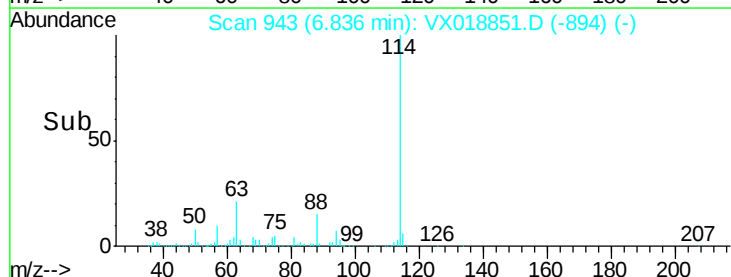
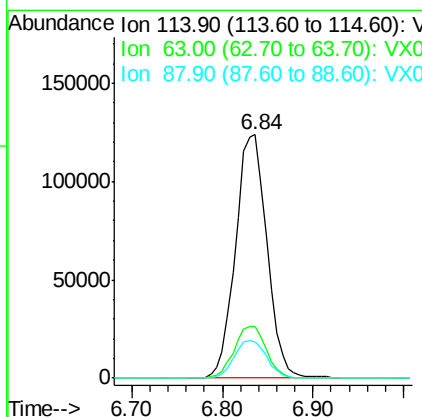
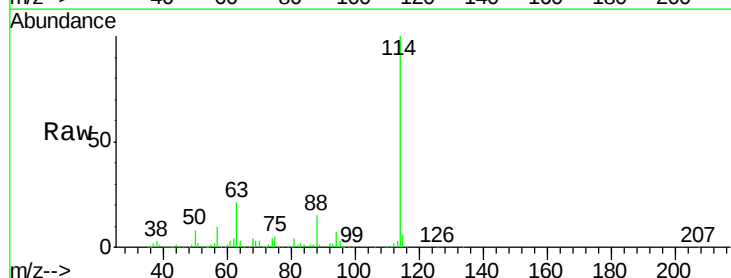
Tgt Ion: 114 Resp: 298324

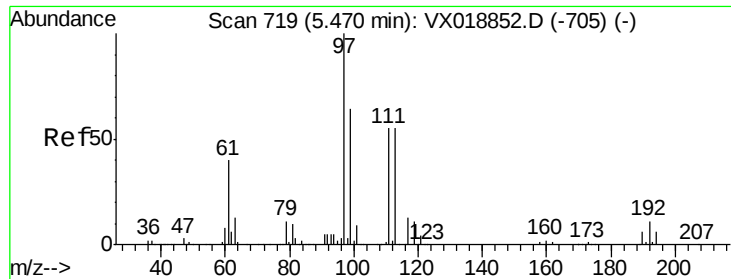
Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.4

88 14.7 0.0 32.6





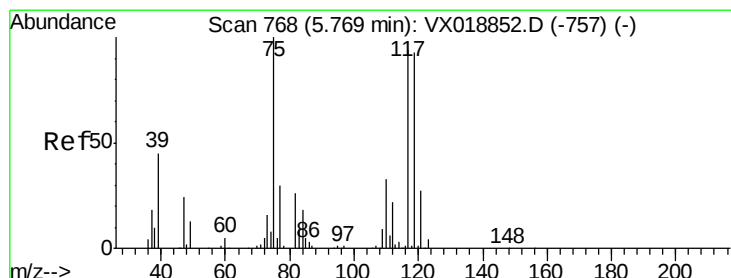
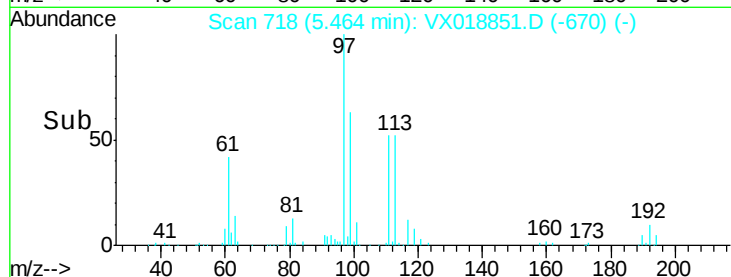
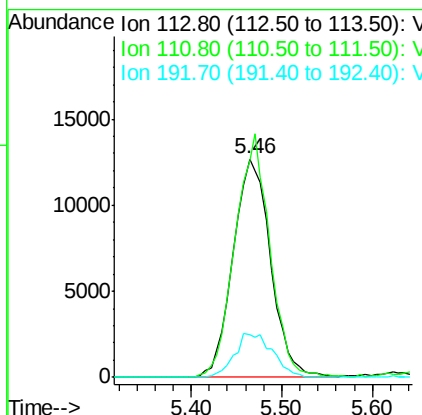
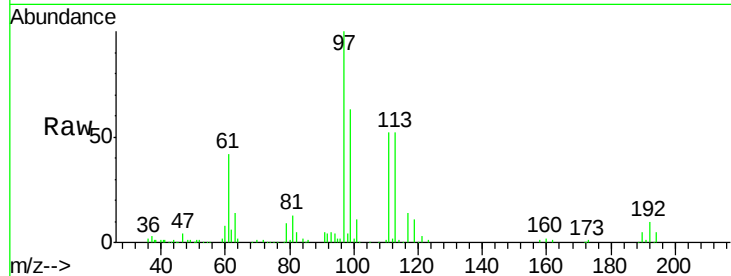
#35
Dibromofluoromethane
Concen: 17.512 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.01 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	36535		
111	103.2		80.1	120.1
192	20.2		16.0	24.0

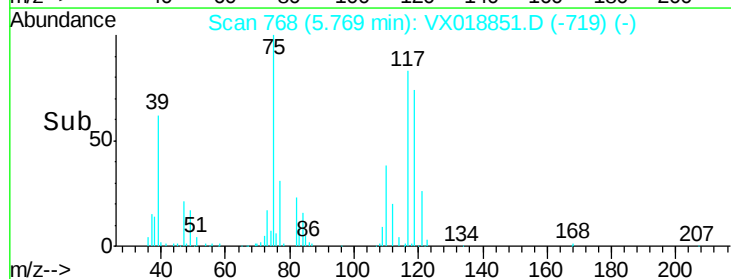
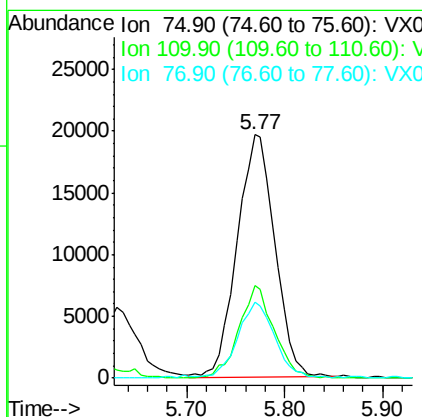
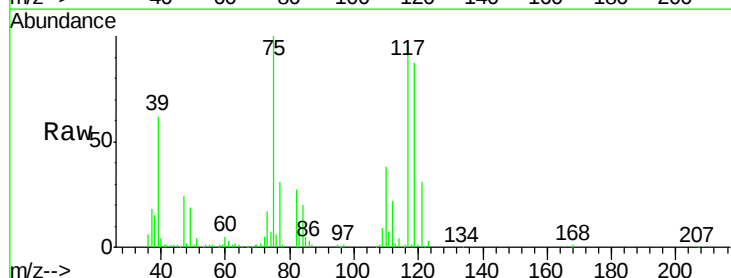
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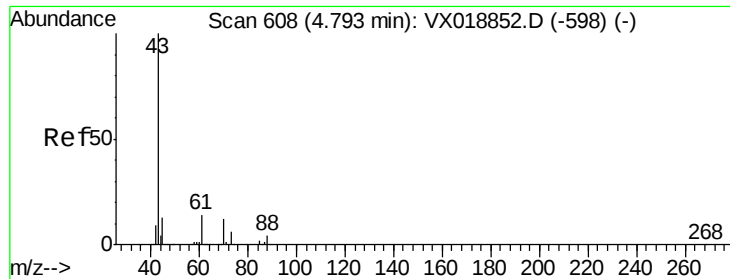
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#36
1,1-Dichloropropene
Concen: 18.084 ug/l
RT: 5.77 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	52600		
110	35.6		17.8	53.5
77	31.5		24.2	36.4





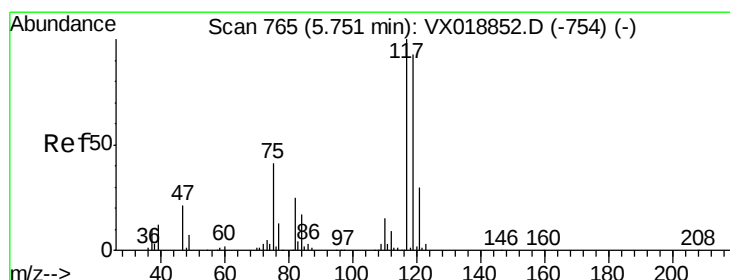
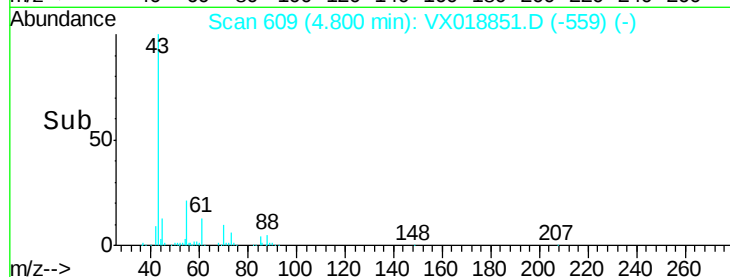
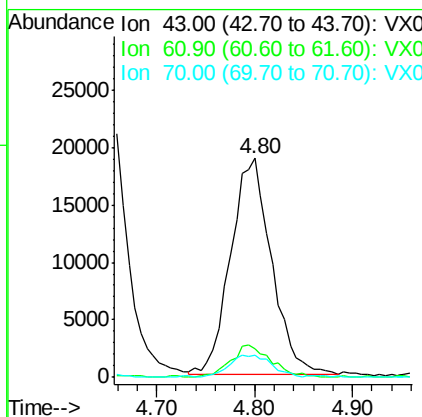
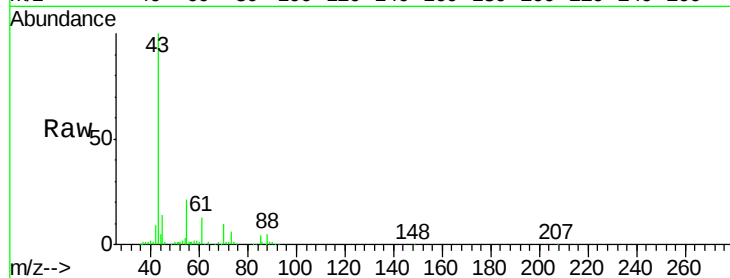
#37
Ethyl Acetate
Concen: 17.705 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	10.9	16.3
70	10.7	8.6	13.0

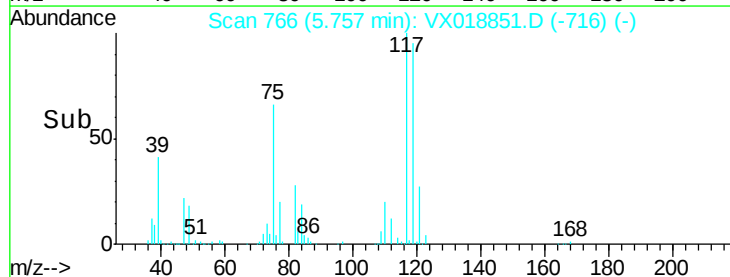
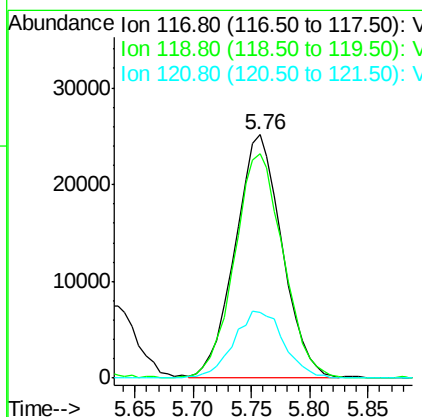
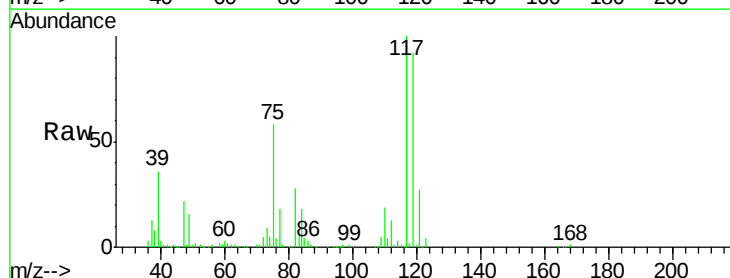
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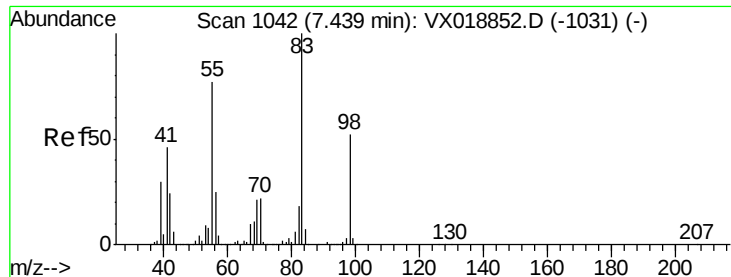
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#38
Carbon Tetrachloride
Concen: 21.403 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.01 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.3	73.9	110.9
121	26.9	23.6	35.4





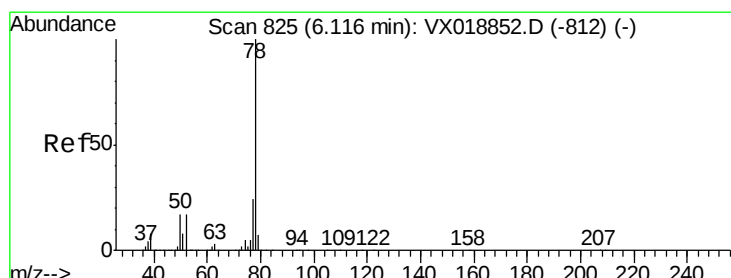
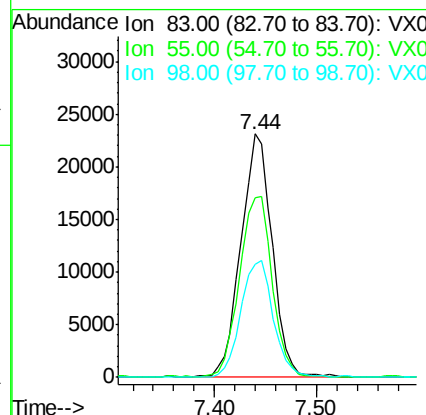
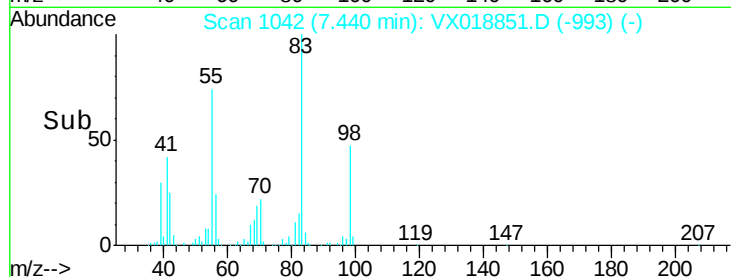
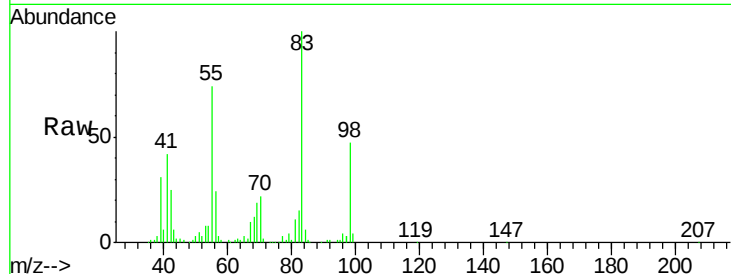
#39
Methvlcvclohexane
Concen: 15.470 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	49267
Ion Ratio	Lower	Upper	
83	100		
55	73.4	61.8	92.6
98	46.5	41.4	62.0

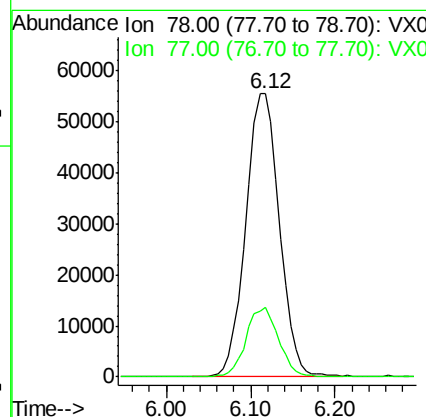
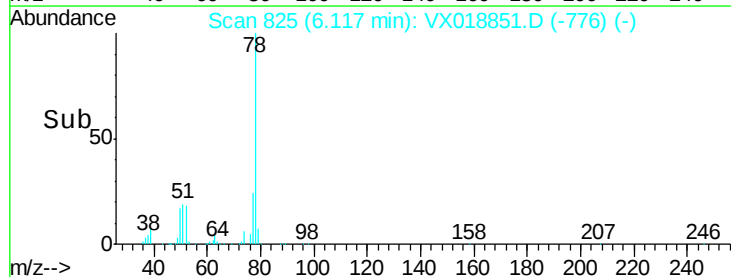
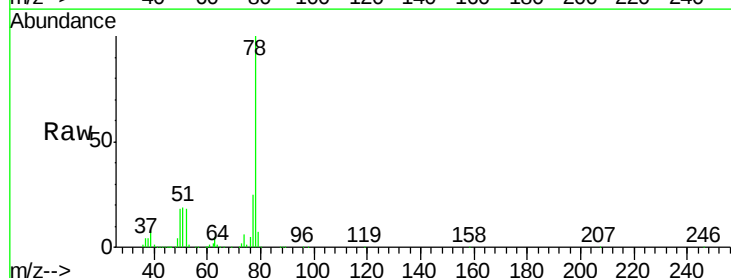
Manual Integrations
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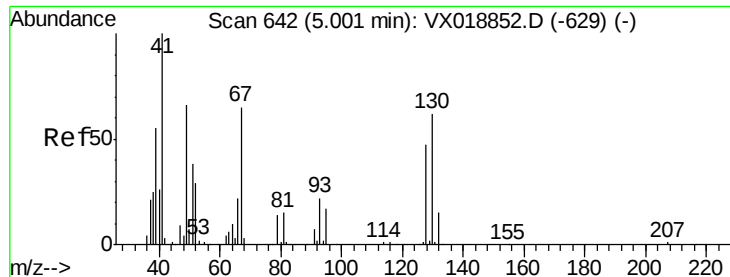
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#40
Benzene
Concen: 18.118 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Tgt Ion	78	Resp	150160
Ion Ratio	Lower	Upper	
78	100		
77	24.7	19.1	28.7





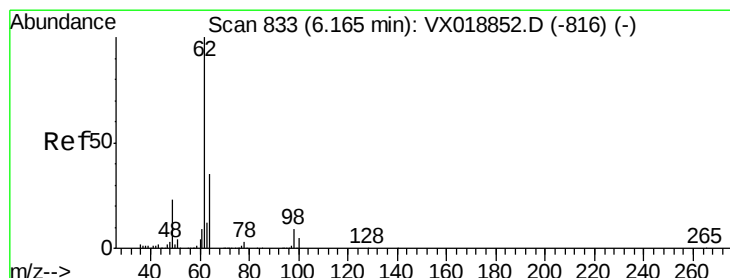
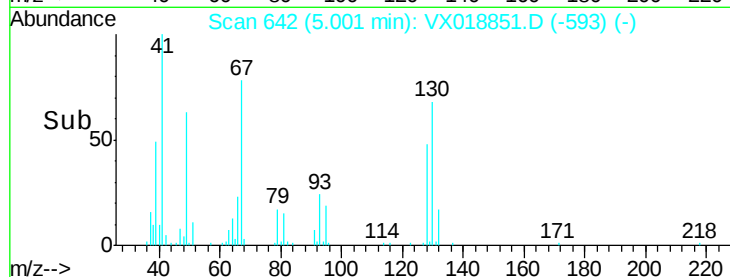
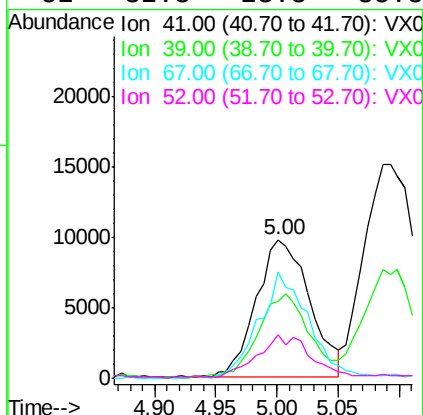
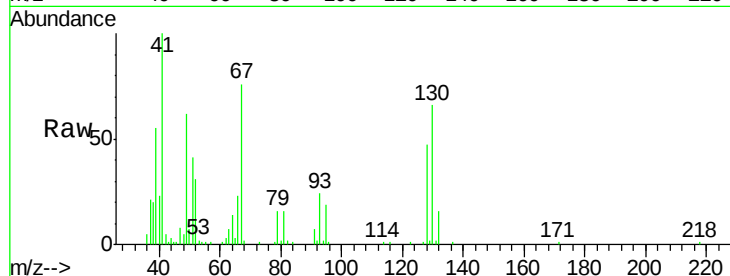
#41
Methacrylonitrile
Concen: 17.410 ug/l
RT: 5.00 min Scan# 642
Delta R.T. 0.00 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		29855		
39	57.9	45.4	68.2		
67	71.1	55.4	83.2		
52	32.3	23.8	35.8		

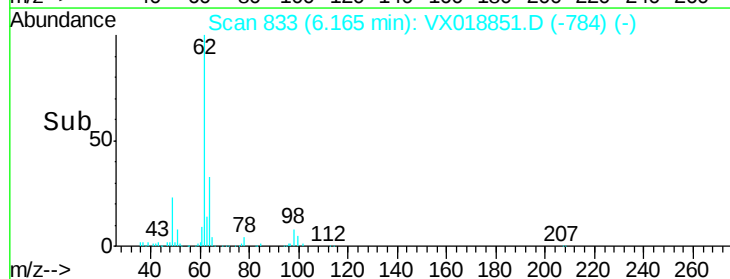
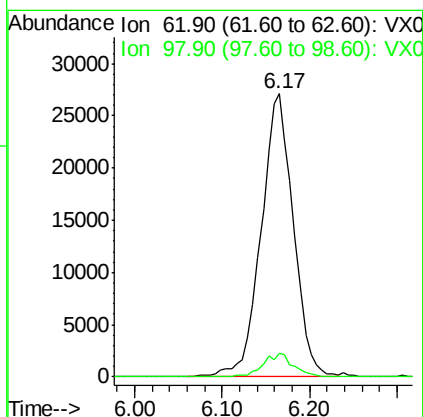
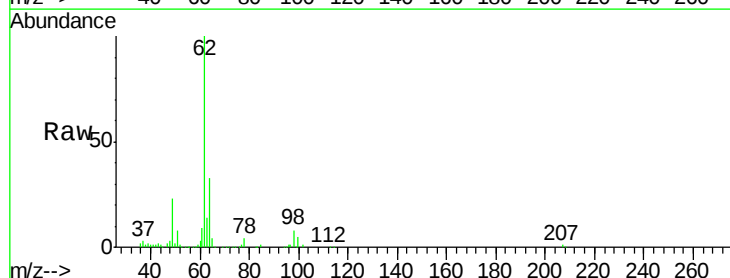
Manual Integrations
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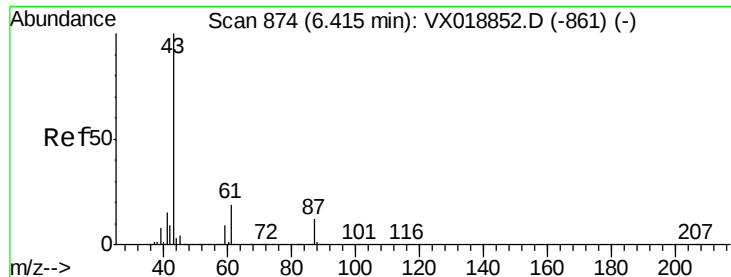
MMDadoda
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#42
1,2-Dichloroethane
Concen: 21.083 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		69740		
98	7.9	0.0	16.4		





#43

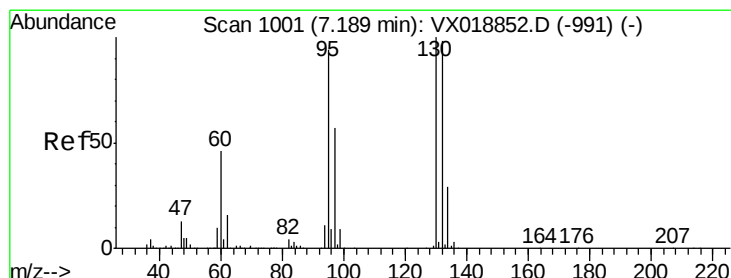
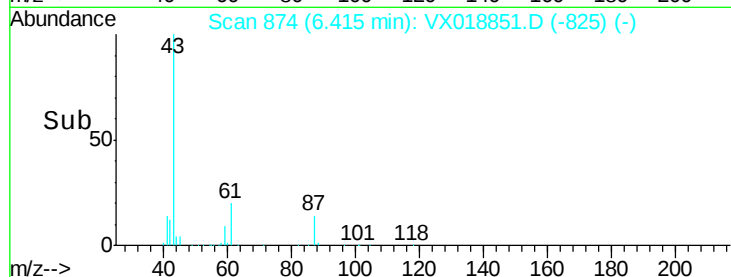
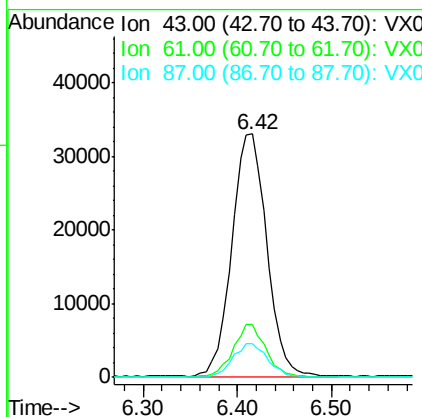
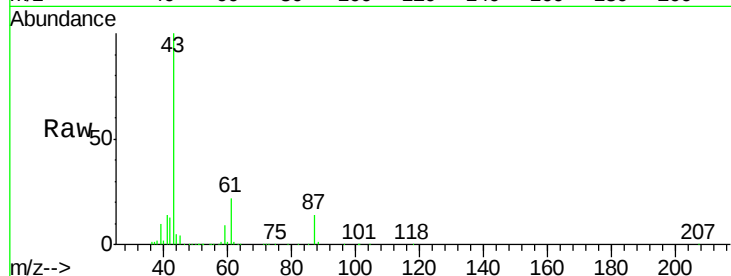
Isopropyl Acetate
 Concen: 16.689 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VX018851.D
 Acq: 09 Oct 2020 12:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.7	15.5	23.3
87	14.0	10.8	16.2

Manual Integrations
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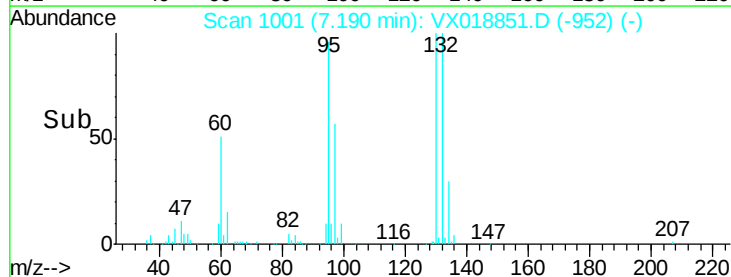
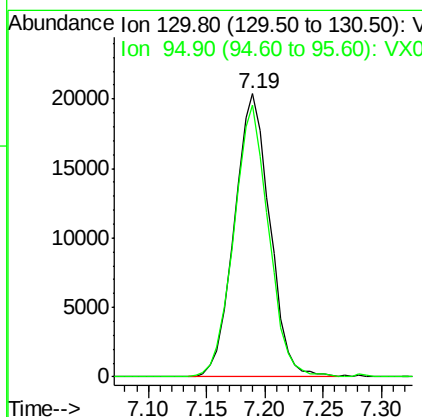
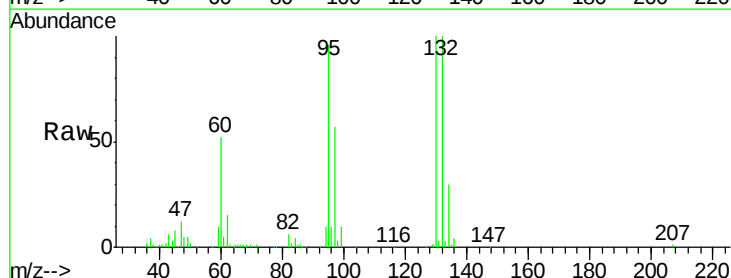
MMDadoda
 10/12/2020 2:23:21 PM

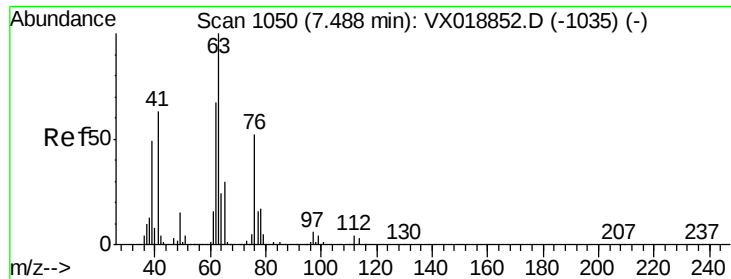


#44

Trichloroethene
 Concen: 17.919 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX018851.D
 Acq: 09 Oct 2020 12:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	188.4





#45

1,2-Dichloropropane

Concen: 17.222 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 39007

Ion Ratio Lower Upper

63 100

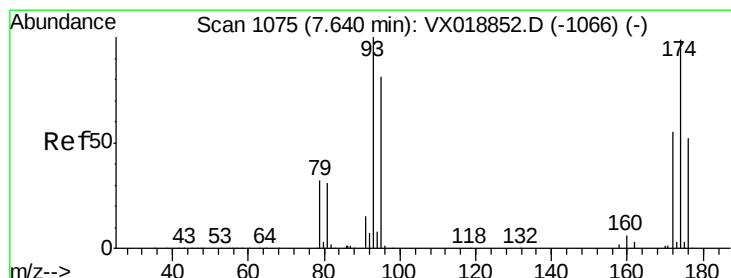
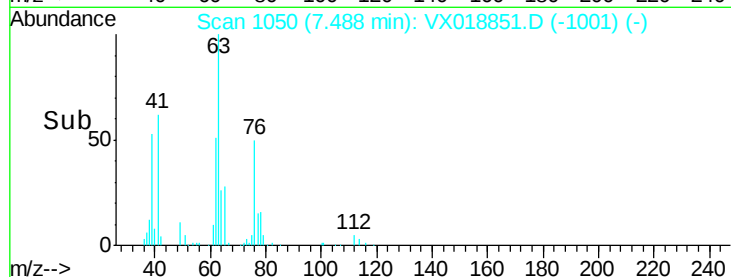
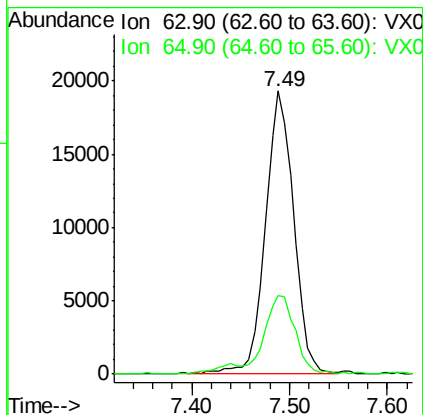
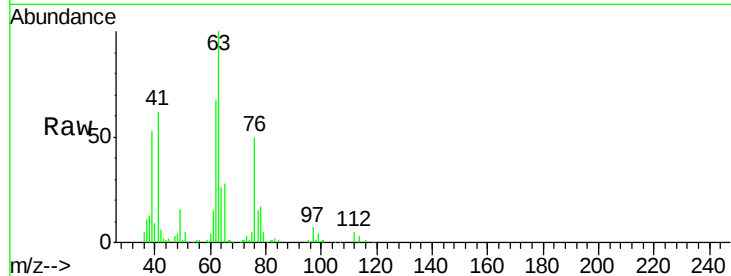
65 27.8 24.2 36.4

Manual Integrations

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#46

Dibromomethane

Concen: 18.455 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

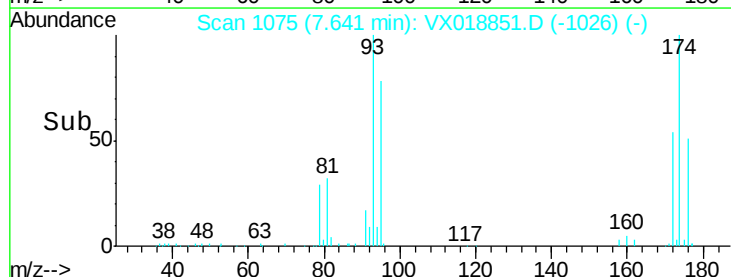
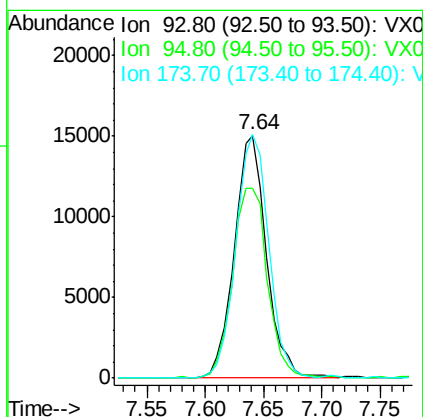
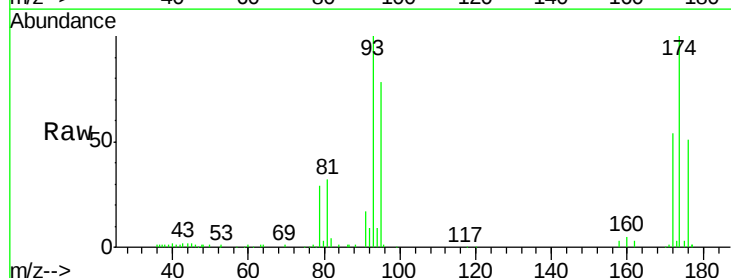
Tgt Ion: 93 Resp: 28955

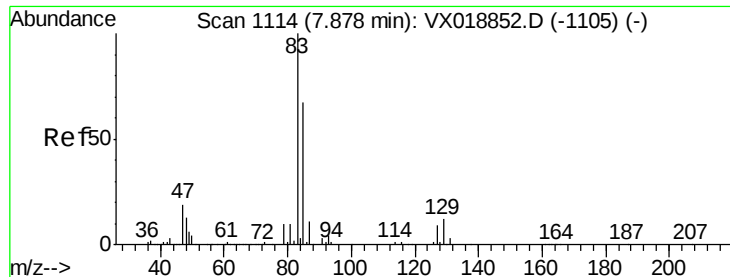
Ion Ratio Lower Upper

93 100

95 85.0 66.1 99.1

174 103.0 84.6 127.0





#47

Bromodichloromethane

Concen: 19.568 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

Instrument :

MSVOA_X

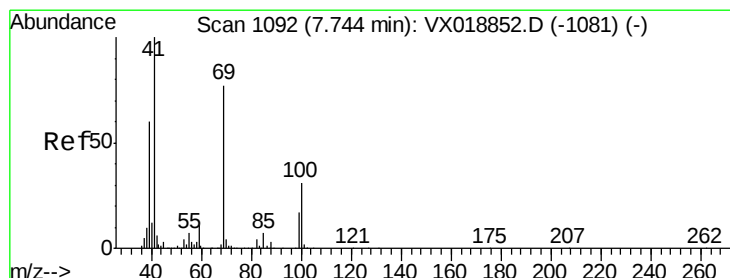
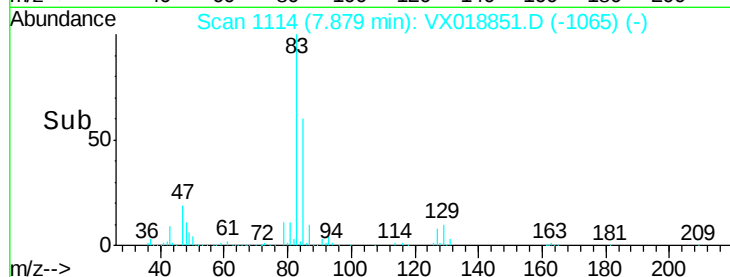
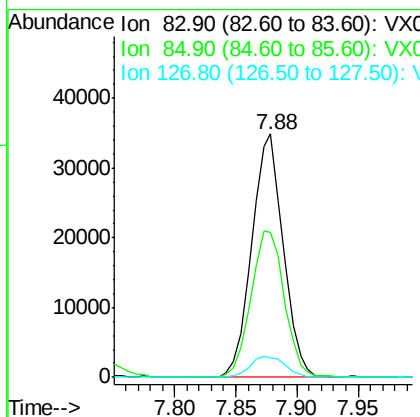
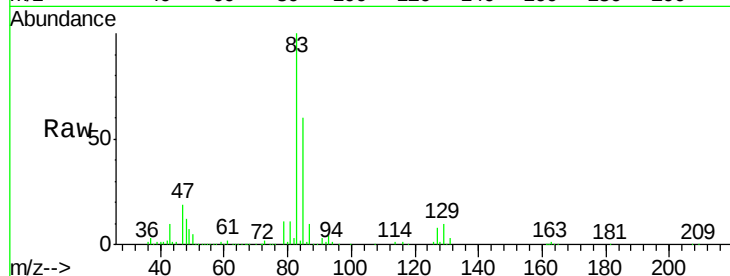
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	62702
Ion	Ratio	Lower	Upper
83	100		
85	59.8	53.8	80.6
127	8.2	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.577 ug/l

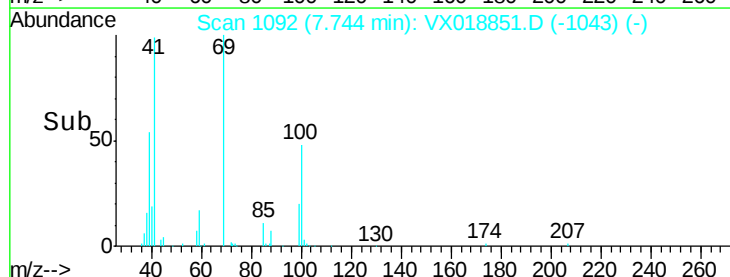
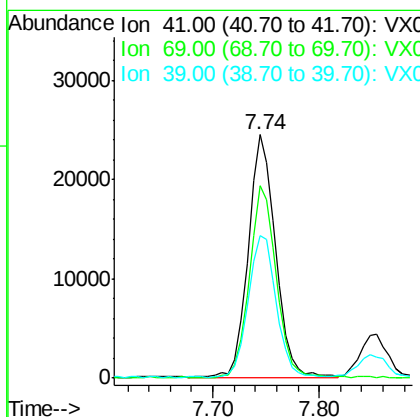
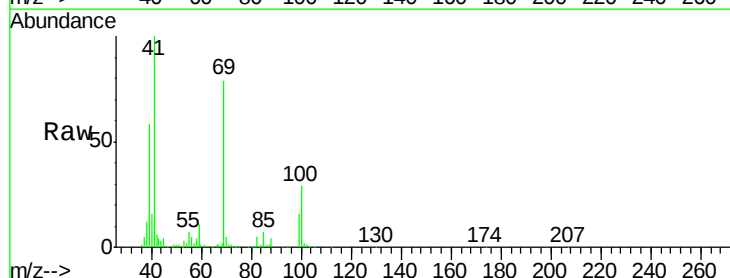
RT: 7.74 min Scan# 1092

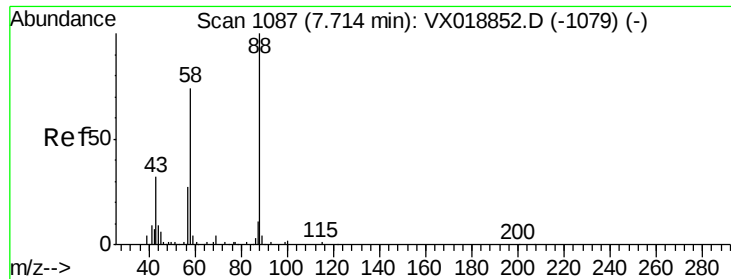
Delta R.T. 0.00 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

Tgt Ion:	41	Resp:	43883
Ion	Ratio	Lower	Upper
41	100		
69	77.7	64.6	97.0
39	59.8	48.6	73.0





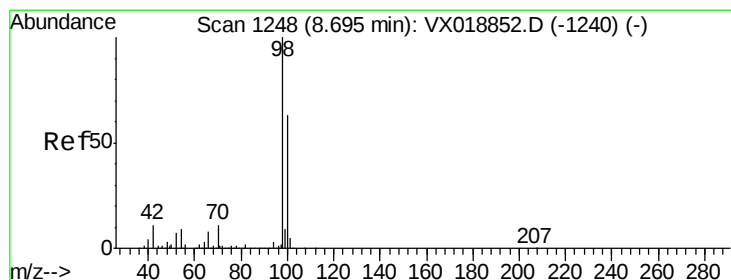
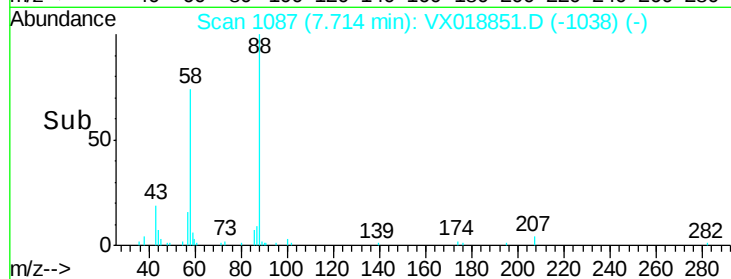
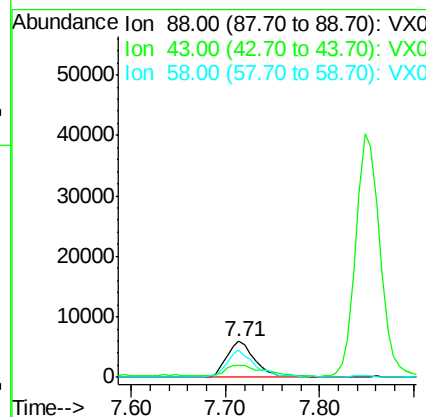
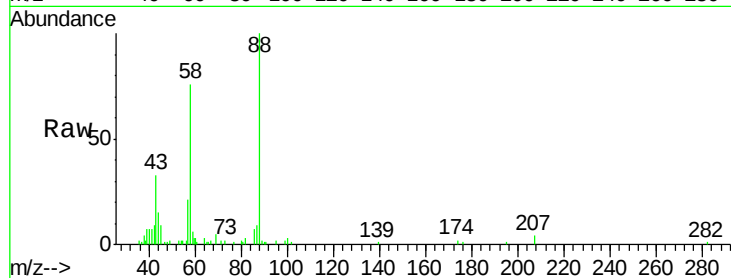
#49
1,4-Dioxane
Concen: 314.604 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.2	31.0	46.6
58	74.1	59.3	88.9

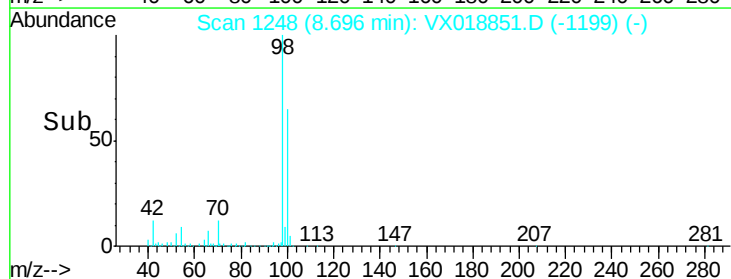
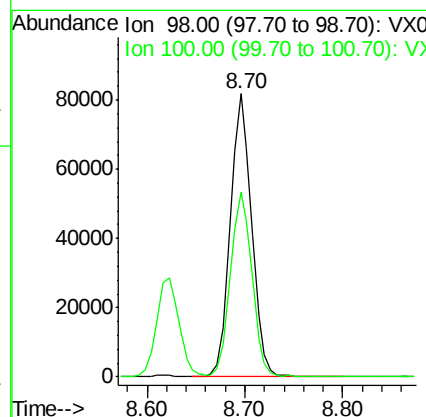
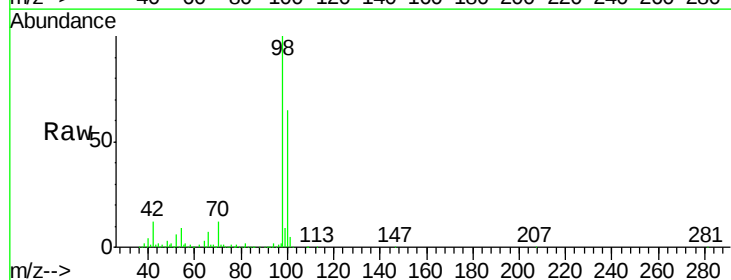
Manual Integrations
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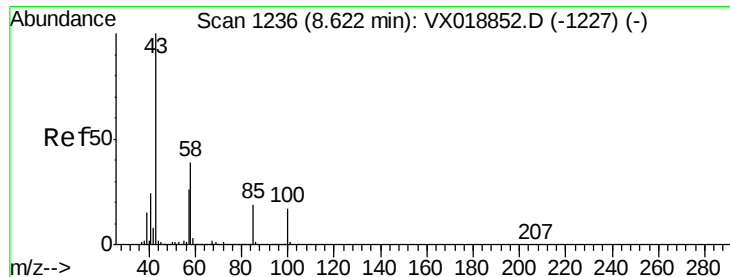
MMDadoda
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#50
Toluene-d8
Concen: 16.441 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 89.915 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 273871

Ion Ratio Lower Upper

43 100

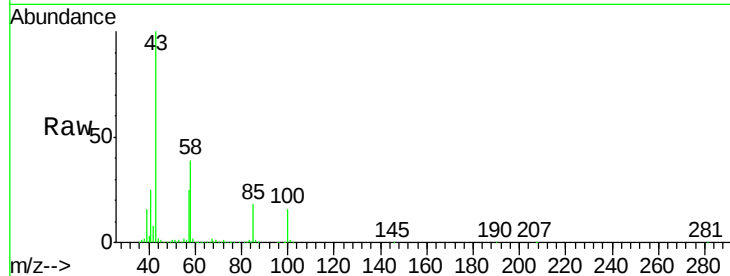
58 39.0 30.9 46.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

200000

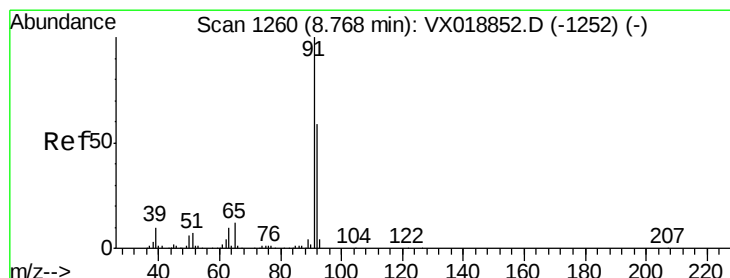
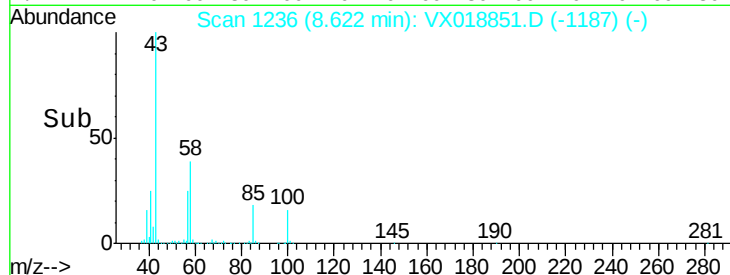
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.469 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX018851.D

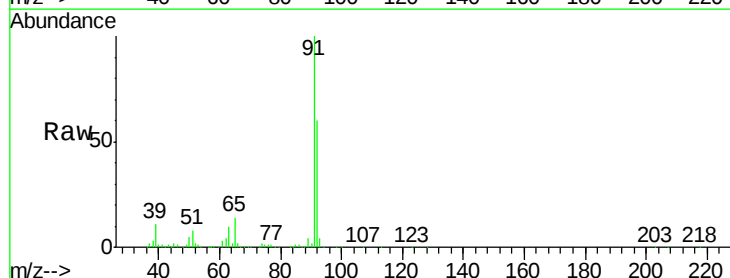
Acq: 09 Oct 2020 12:03

Tgt Ion: 92 Resp: 97104

Ion Ratio Lower Upper

92 100

91 170.9 138.2 207.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

120000

100000

80000

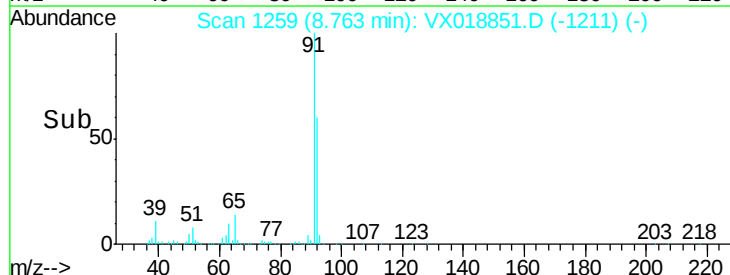
60000

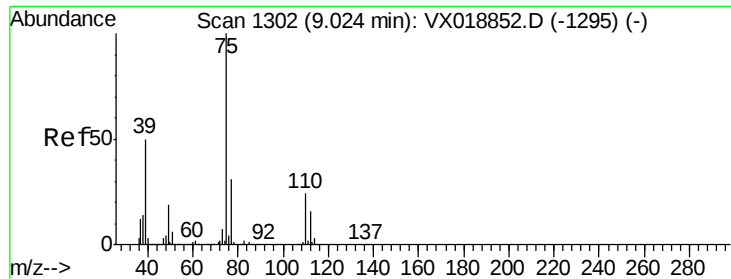
40000

20000

0

Time-->





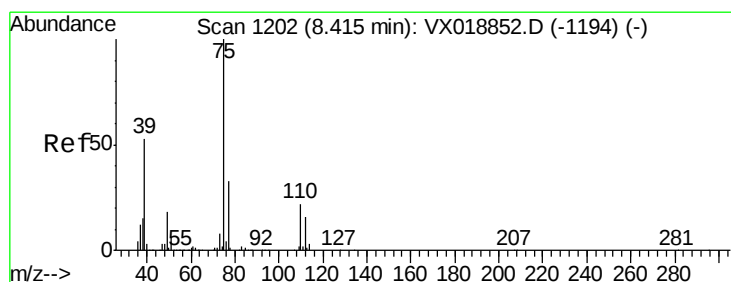
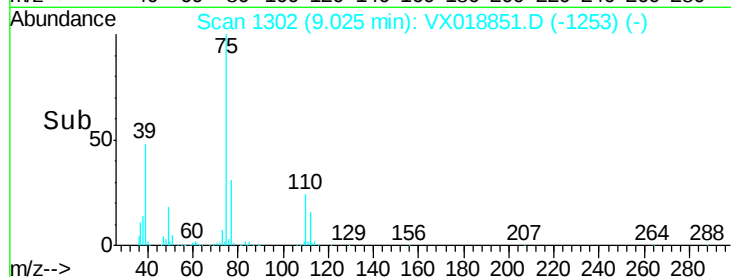
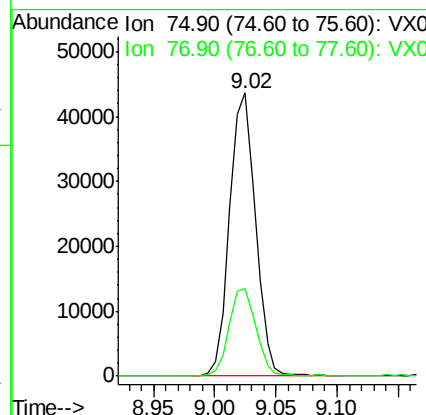
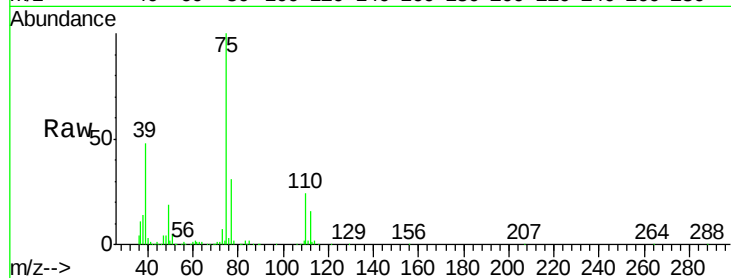
#53
t-1,3-Dichloropropene
Concen: 17.774 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 64174
Ion Ratio Lower Upper
75 100
77 31.1 25.1 37.7

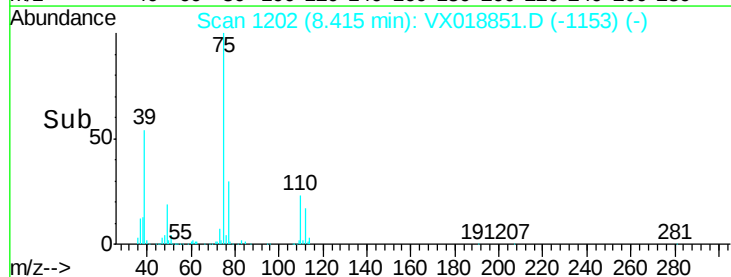
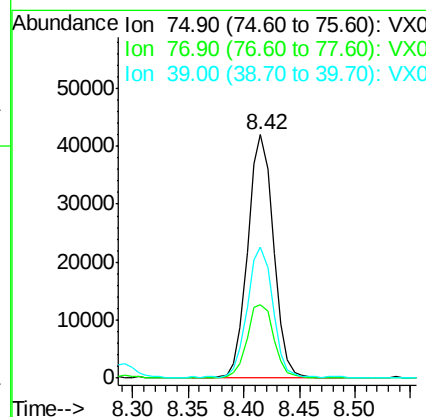
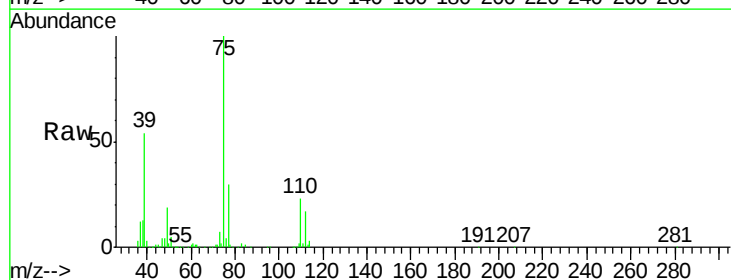
Manual Integrations
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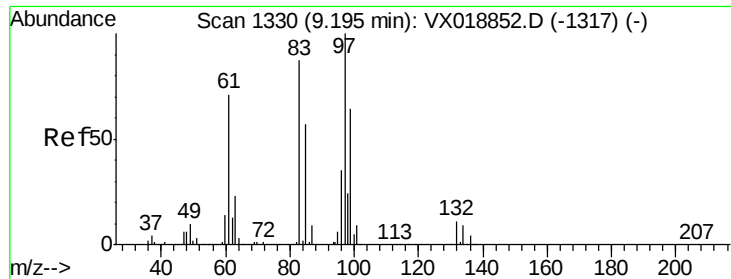
MMDadoda
10/12/2020 2:23:21 PM



#54
cis-1,3-Dichloropropene
Concen: 18.350 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Tgt Ion: 75 Resp: 67728
Ion Ratio Lower Upper
75 100
77 30.1 26.6 39.8
39 53.3 42.6 64.0





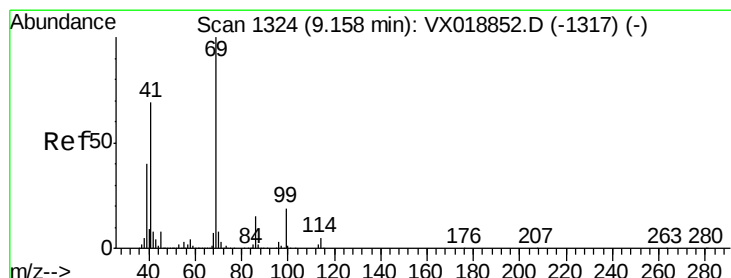
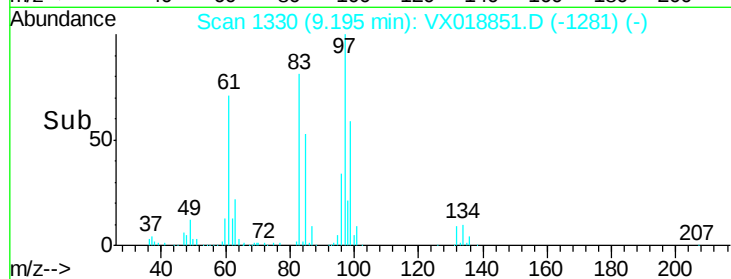
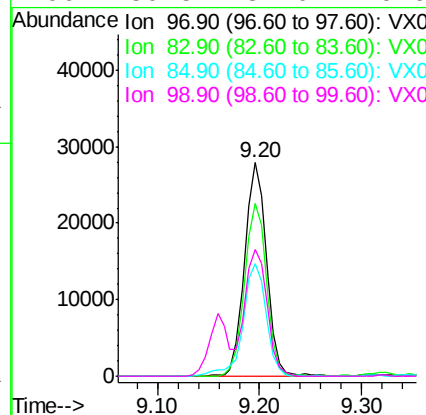
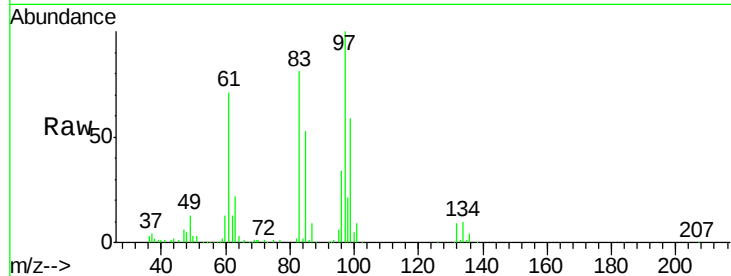
#55
 1,1,2-Trichloroethane
 Concen: 18.968 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX018851.D
 Acq: 09 Oct 2020 12:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	41315
Ion	Ratio	Lower	Upper
97	100		
83	80.3	69.3	103.9
85	52.8	45.3	67.9
99	59.5	51.0	76.6

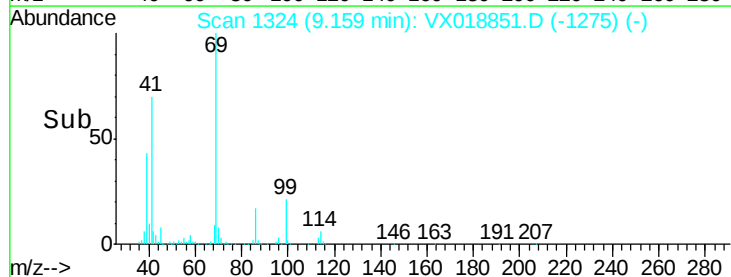
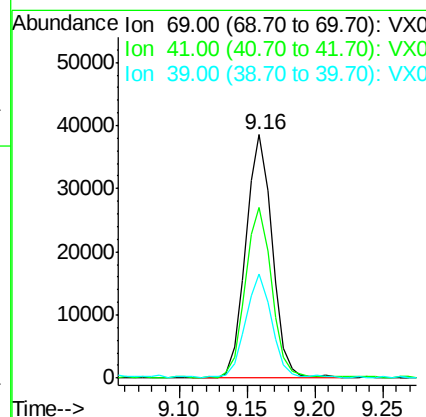
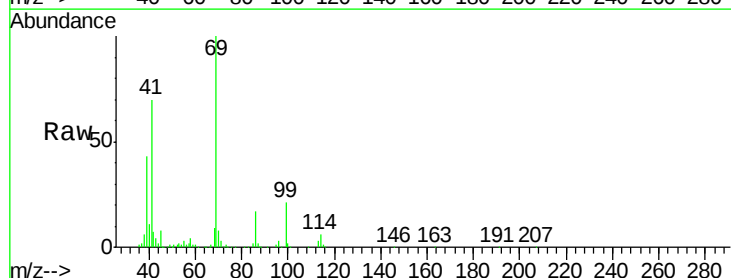
Manual Integrations
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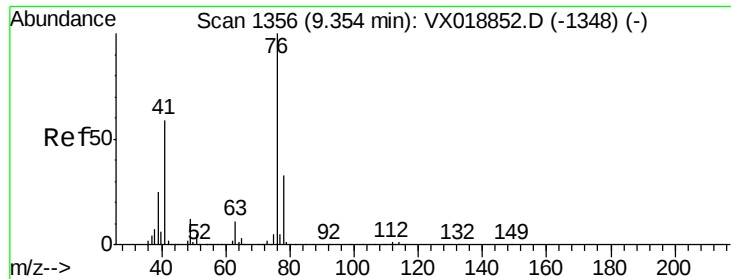
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 10/12/2020 2:23:21 PM



#56
 Ethyl methacrylate
 Concen: 16.489 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX018851.D
 Acq: 09 Oct 2020 12:03

Tgt Ion:	69	Resp:	52654
Ion	Ratio	Lower	Upper
69	100		
41	69.3	54.6	81.8
39	42.0	31.5	47.3





#57

1,3-Dichloropropane

Concen: 18.687 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 68407

Ion Ratio Lower Upper

76 100

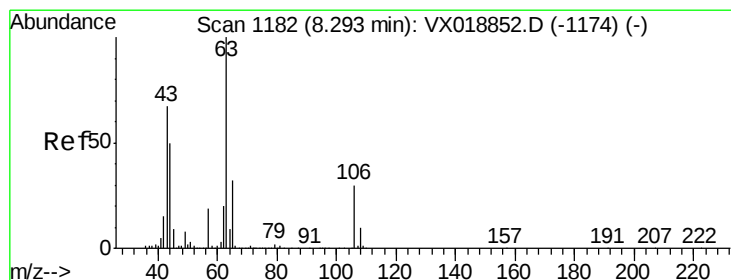
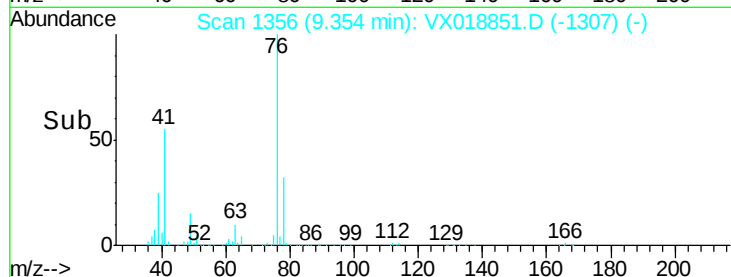
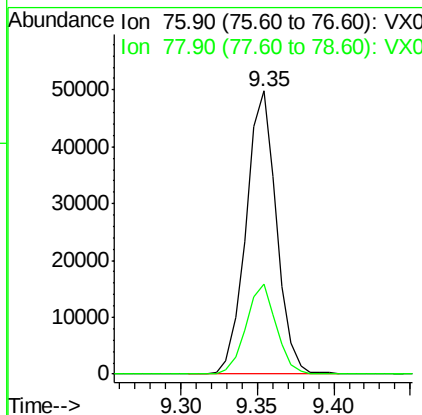
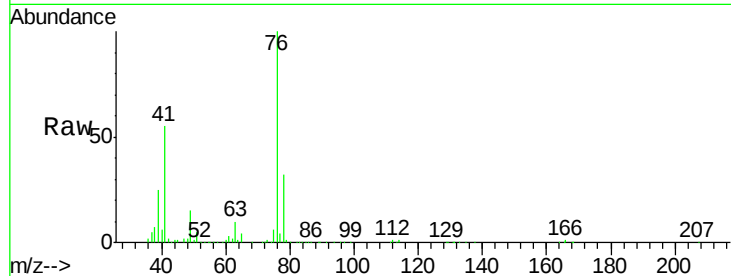
78 31.8 26.2 39.2

Manual Integrations

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MMDadoda

10/12/2020 2:23:21 PM



#58

2-Chloroethyl Vinyl ether

Concen: 88.602 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX018851.D

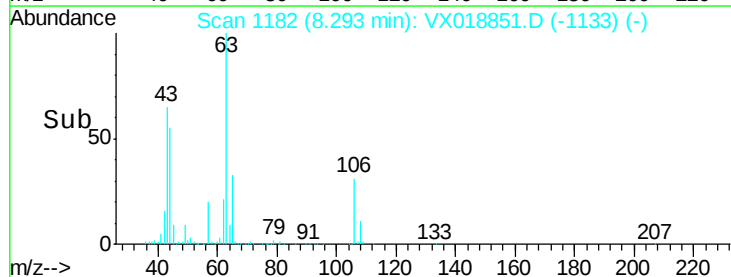
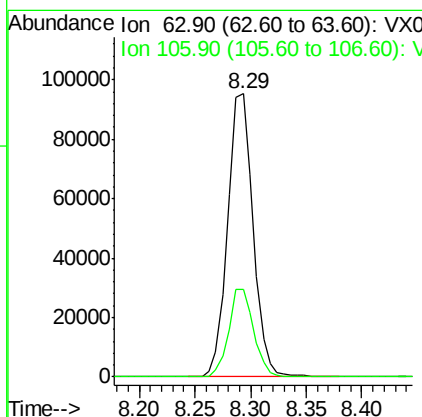
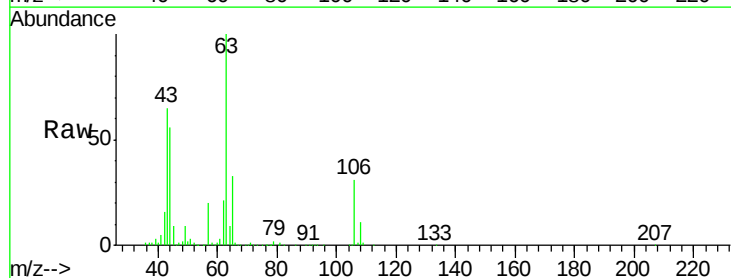
Acq: 09 Oct 2020 12:03

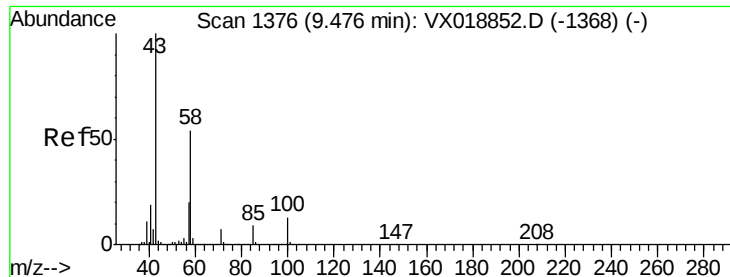
Tgt Ion: 63 Resp: 151201

Ion Ratio Lower Upper

63 100

106 30.5 24.2 36.4





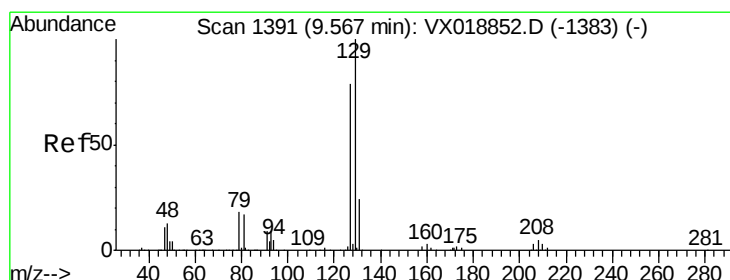
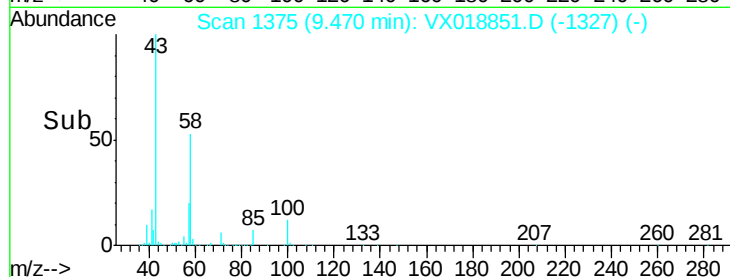
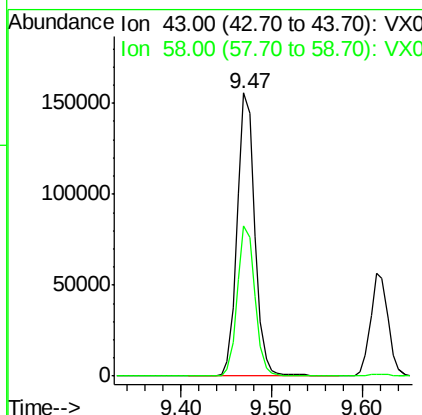
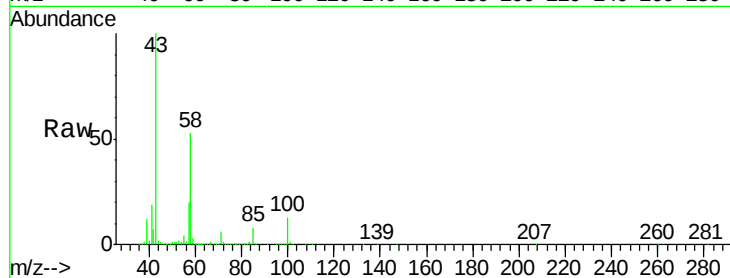
#59
2-Hexanone
Concen: 90.633 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 209937
Ion Ratio Lower Upper
43 100
58 53.0 26.7 80.1

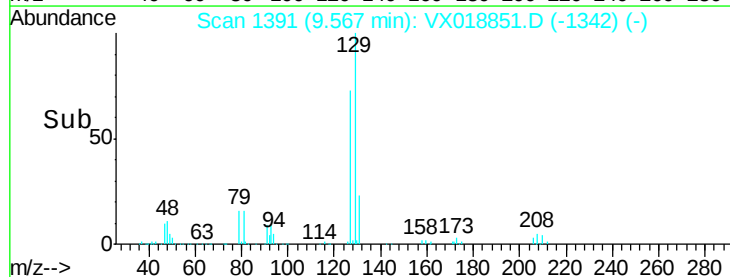
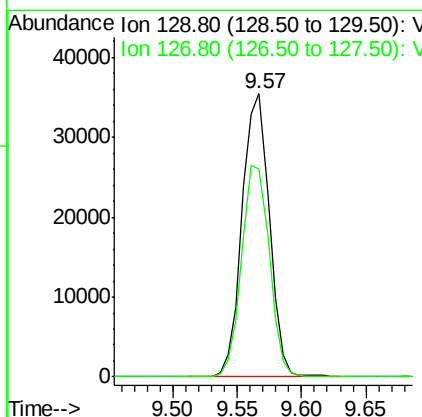
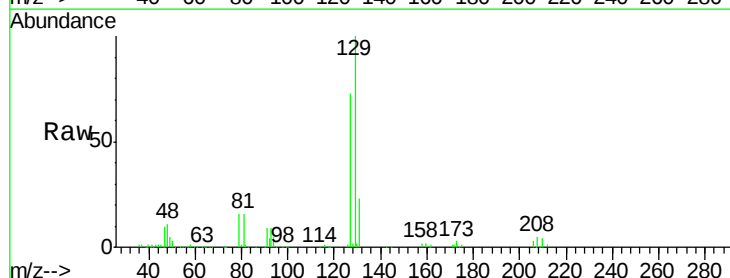
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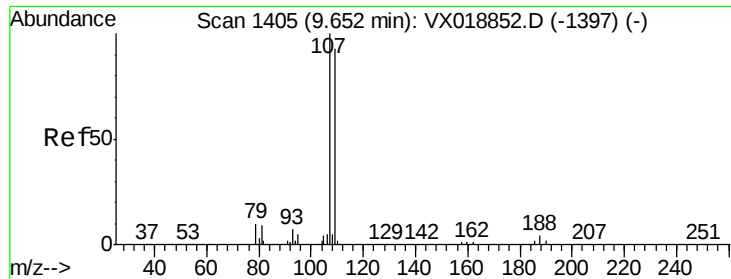
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#60
Dibromochloromethane
Concen: 19.801 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Tgt Ion: 129 Resp: 51857
Ion Ratio Lower Upper
129 100
127 76.3 39.5 118.5





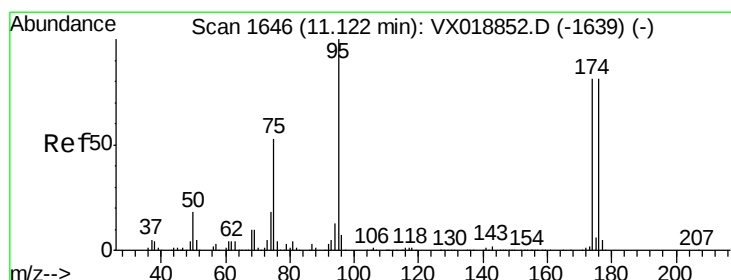
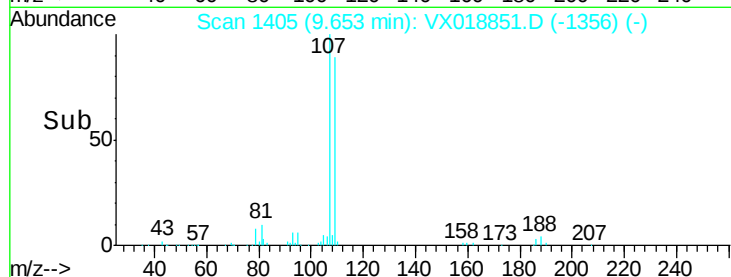
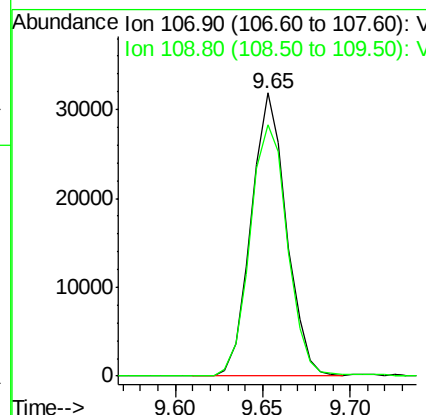
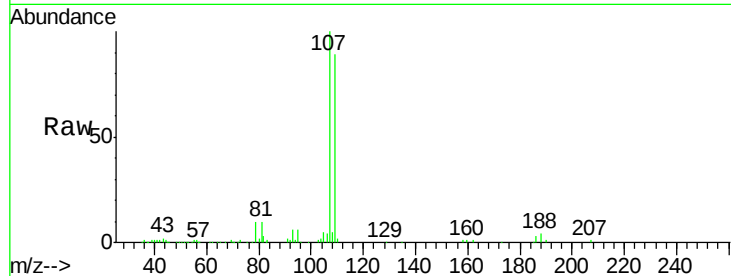
#61
 1,2-Dibromoethane
 Concen: 19.177 ug/l
 RT: 9.65 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: VX018851.D
 Acq: 09 Oct 2020 12:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.2	112.8

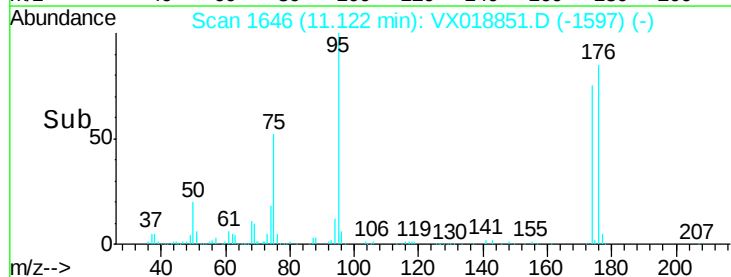
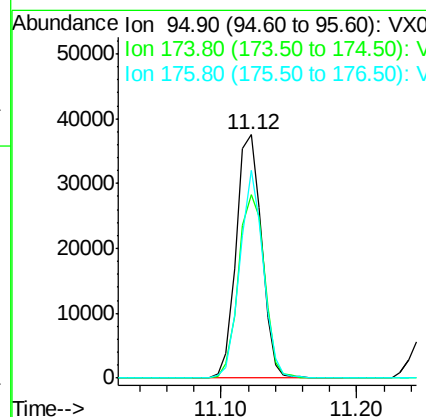
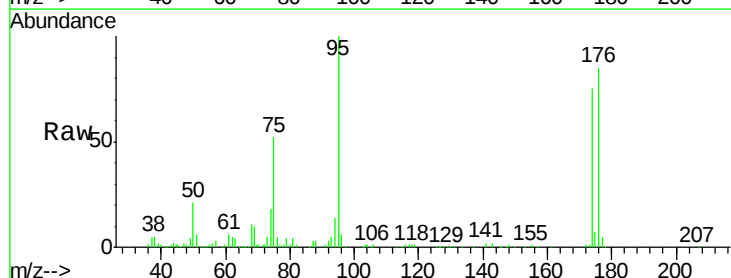
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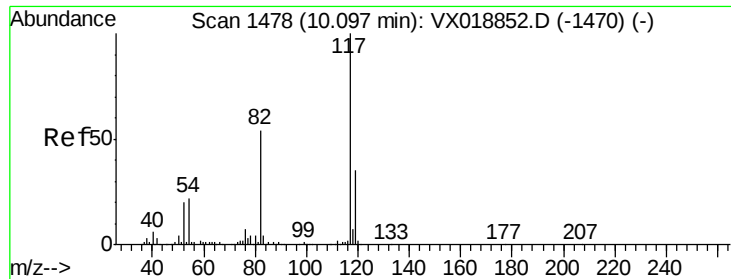
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#62
 4-Bromofluorobenzene
 Concen: 16.232 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VX018851.D
 Acq: 09 Oct 2020 12:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.5	0.0	160.0
176	78.7	0.0	161.2





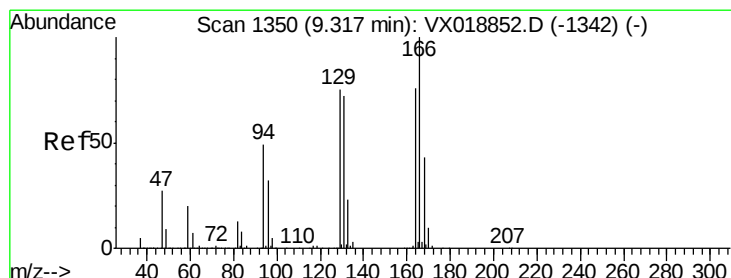
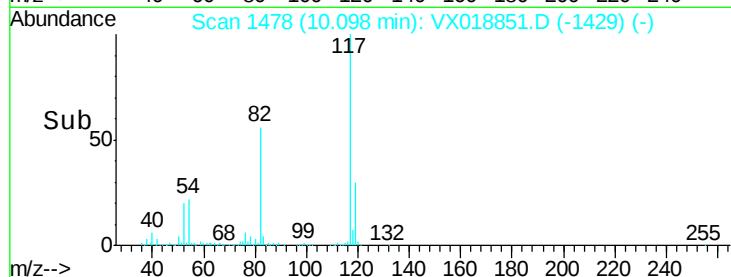
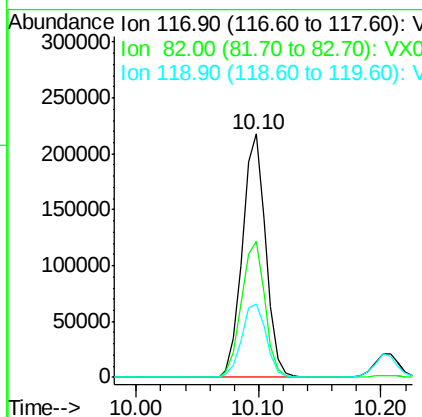
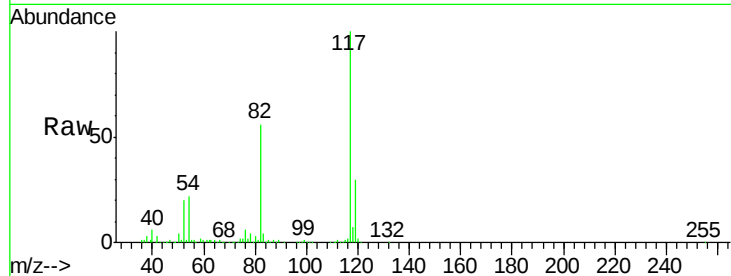
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	285802		
82	55.7	43.4	65.2	
119	30.3	28.3	42.5	

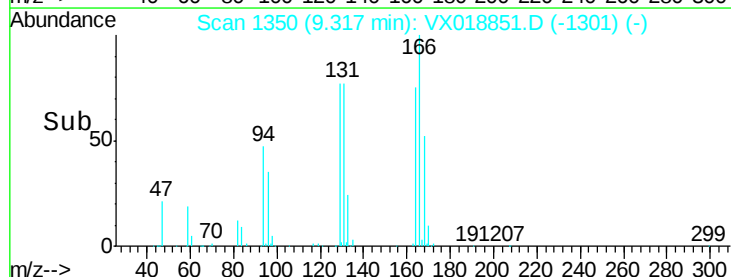
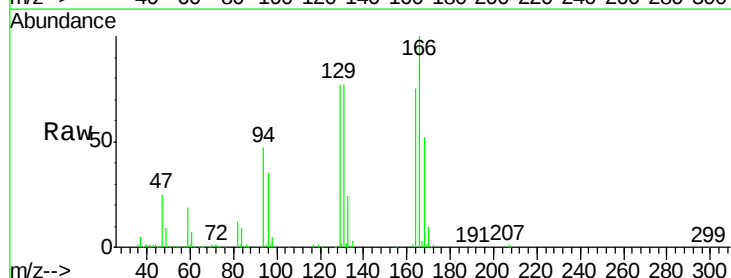
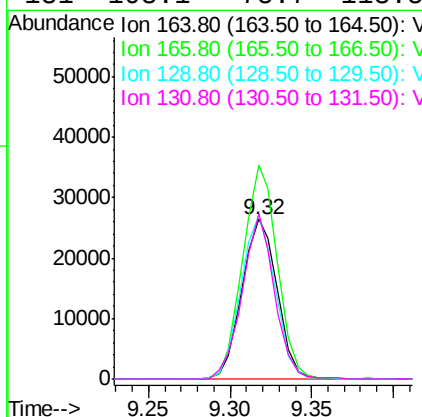
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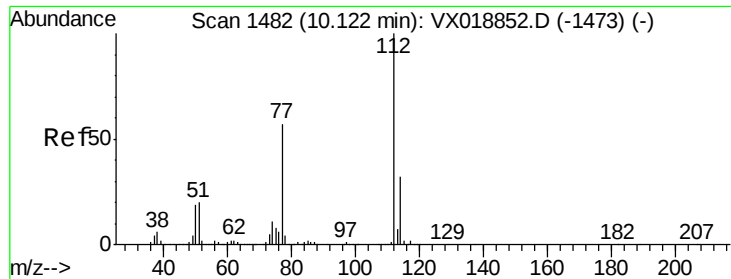
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#64
Tetrachloroethene
Concen: 17.738 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	39755		
166	133.8	105.4	158.0	
129	102.7	79.0	118.6	
131	103.1	75.7	113.5	





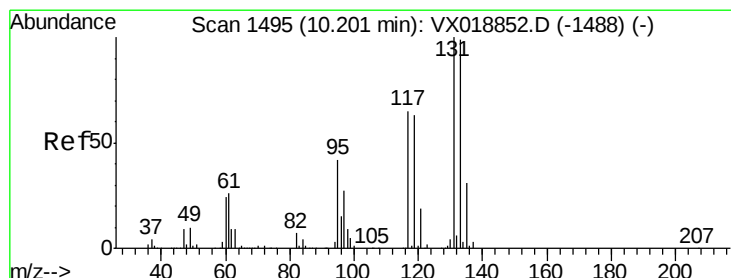
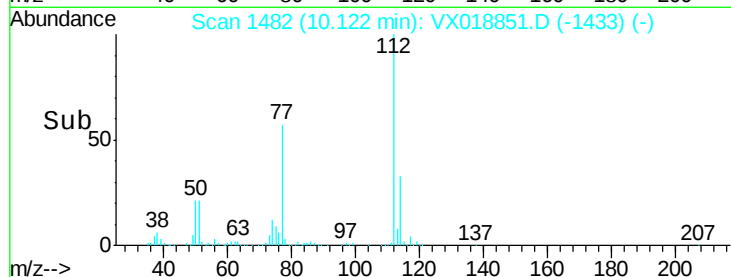
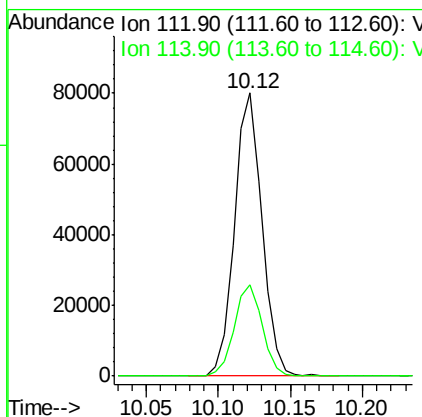
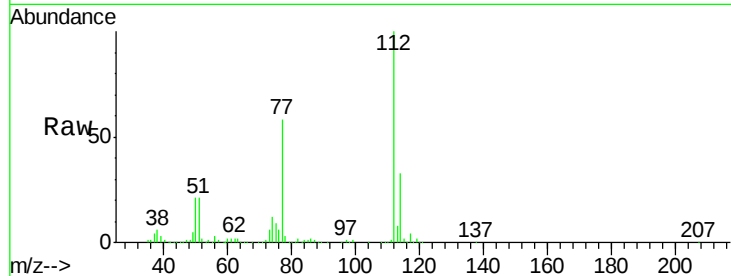
#65
Chlorobenzene
Concen: 18.078 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 107024
Ion Ratio Lower Upper
112 100
114 32.5 25.7 38.5

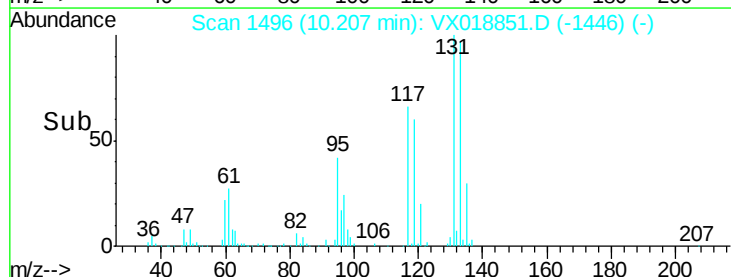
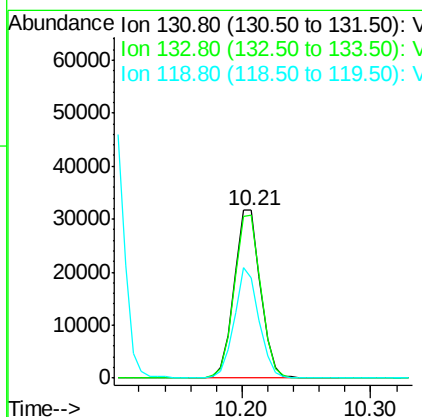
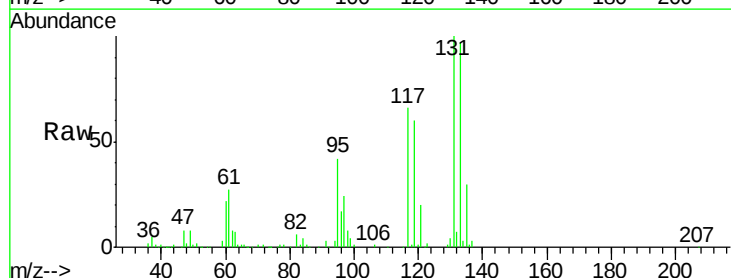
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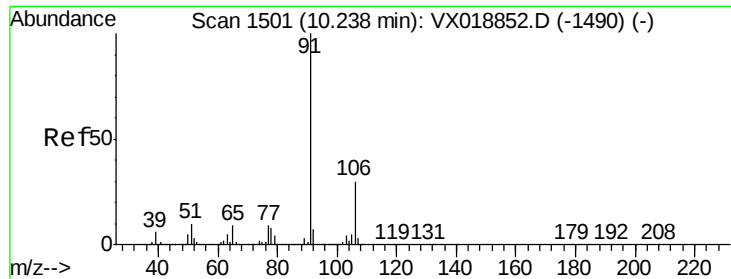
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.040 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. 0.01 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Tgt Ion:131 Resp: 45261
Ion Ratio Lower Upper
131 100
133 97.1 48.6 145.8
119 61.6 31.1 93.3





#67

Ethyl Benzene

Concen: 17.844 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 183098

Ion Ratio Lower Upper

91 100

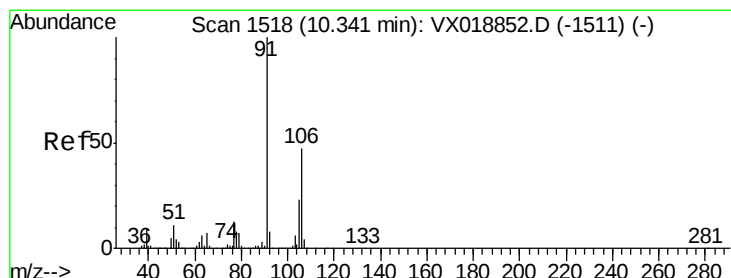
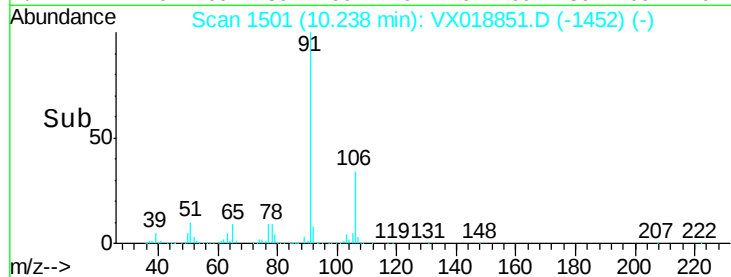
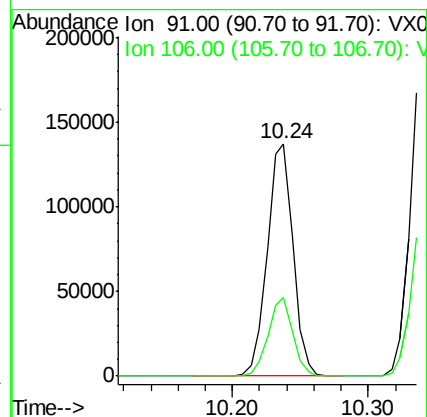
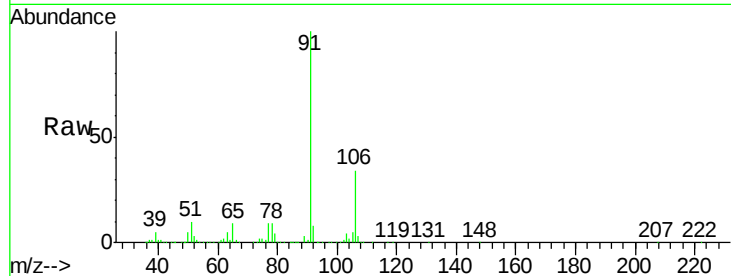
106 34.0 24.0 36.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 37.509 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018851.D

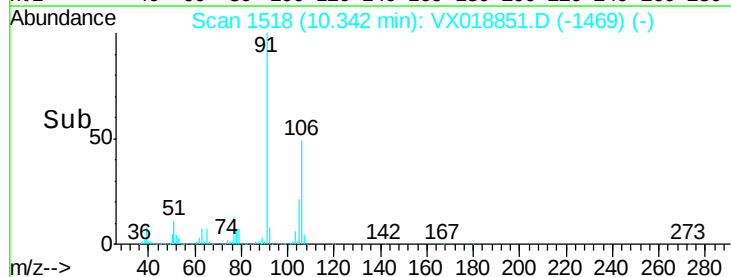
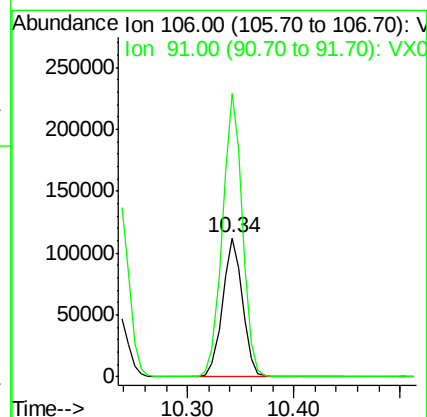
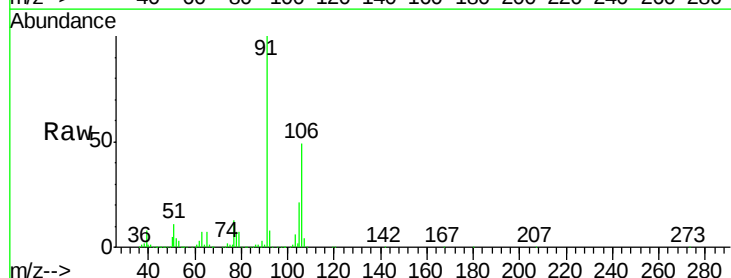
Acq: 09 Oct 2020 12:03

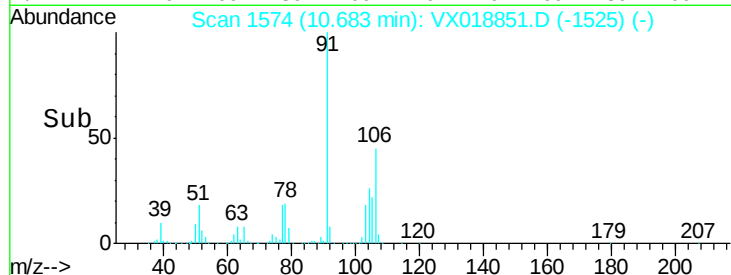
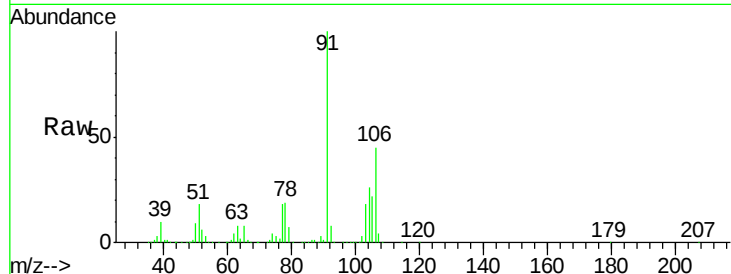
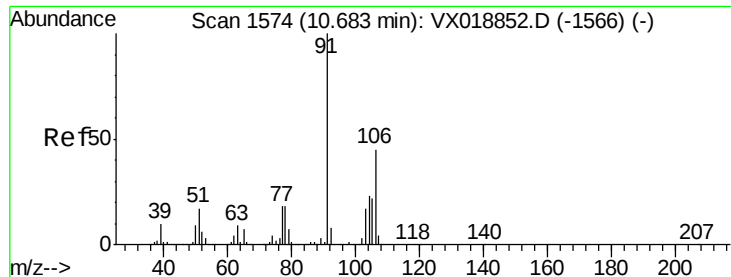
Tgt Ion: 106 Resp: 145956

Ion Ratio Lower Upper

106 100

91 203.1 165.6 248.4





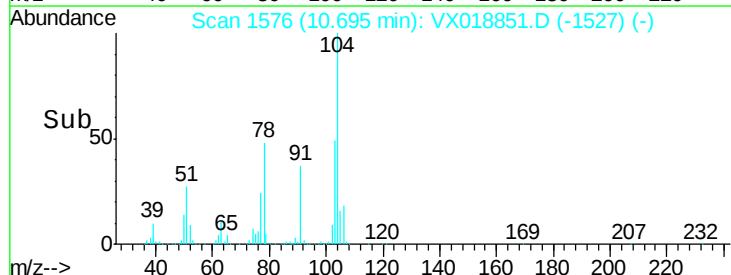
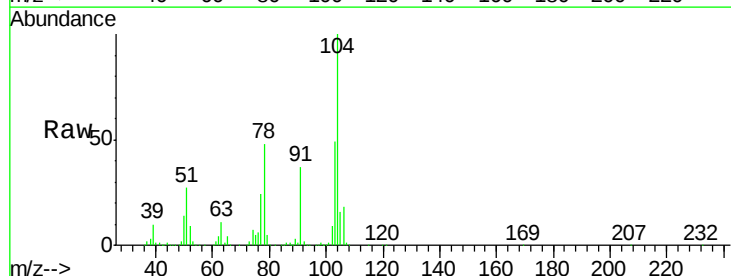
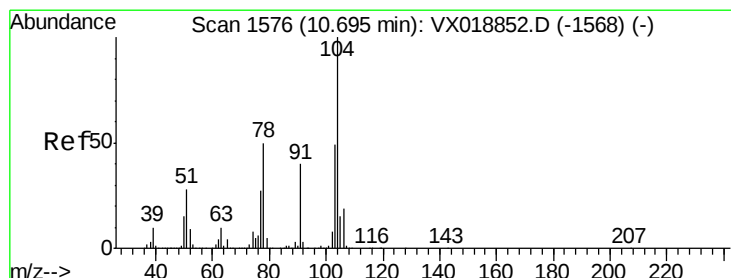
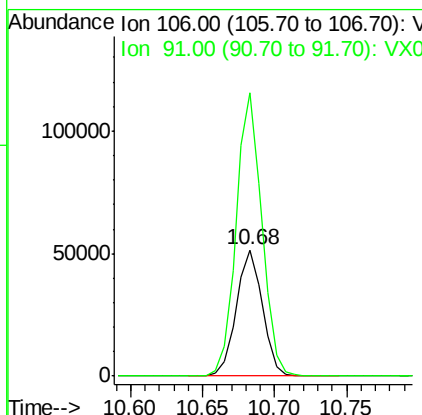
#69
o-Xylene
Concen: 17.738 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Tot Ion:106 Resp: 65150
Ion Ratio Lower Upper
106 100
91 220.8 109.9 329.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

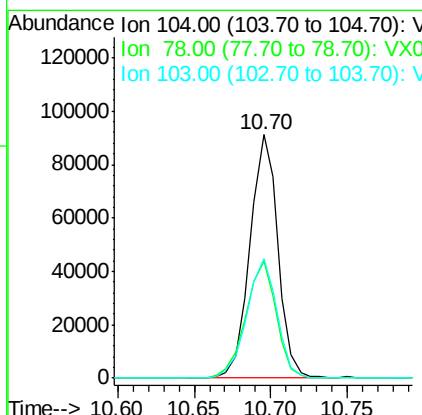
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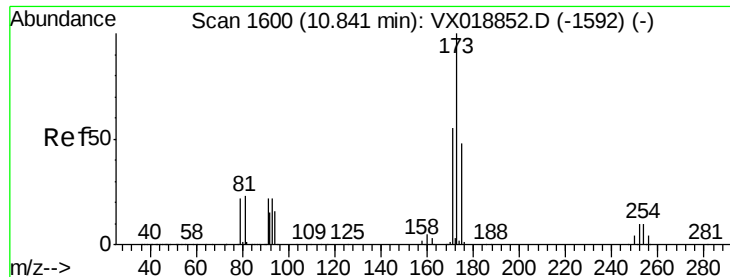
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#70
Styrene
Concen: 18.278 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Tgt Ion:104 Resp: 115701
Ion Ratio Lower Upper
104 100
78 52.9 43.5 65.3
103 53.4 43.3 64.9





#71

Bromoform

Concen: 18.779 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 37702

Ion Ratio Lower Upper

173 100

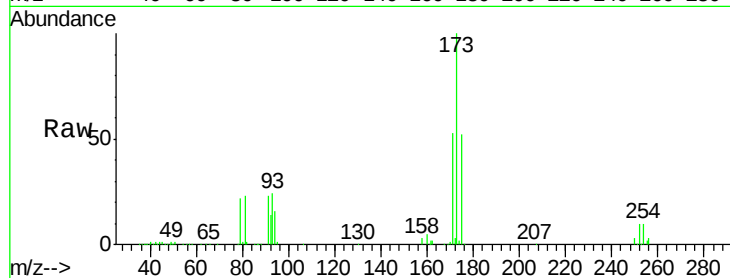
175 50.9 23.4 70.0

254 0.1 0.0 0.0#

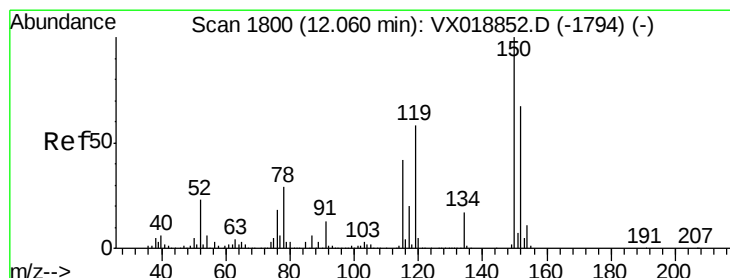
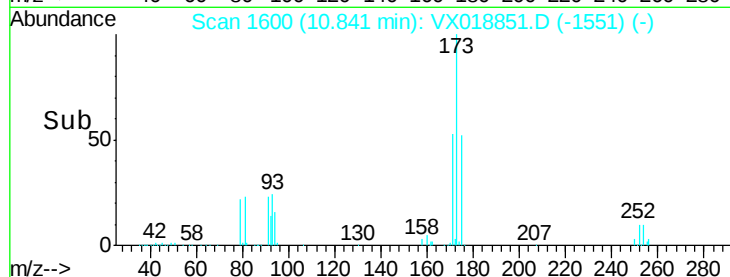
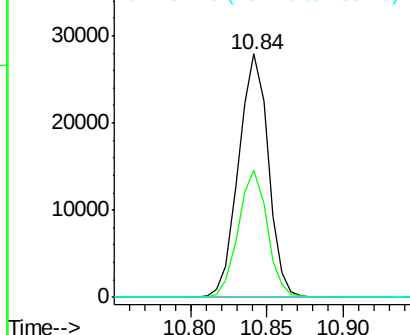
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

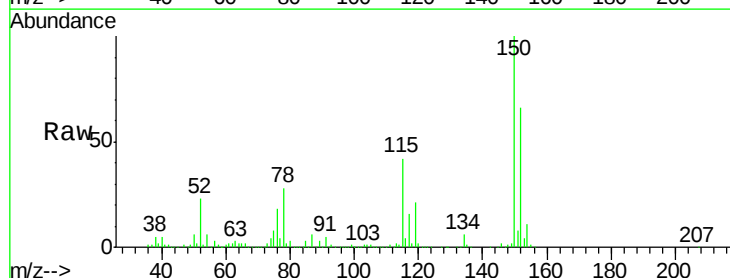
Tgt Ion:152 Resp: 156132

Ion Ratio Lower Upper

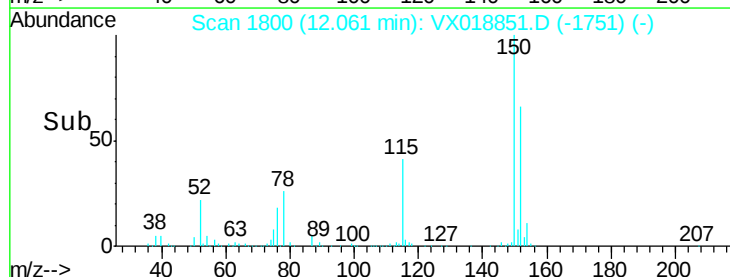
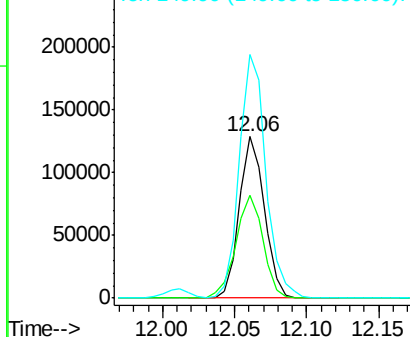
152 100

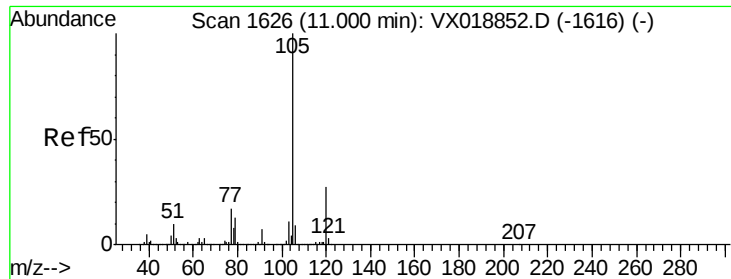
115 69.5 41.8 125.4

150 159.1 0.0 347.6



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





#73

Isopropylbenzene

Concen: 17.662 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 184683

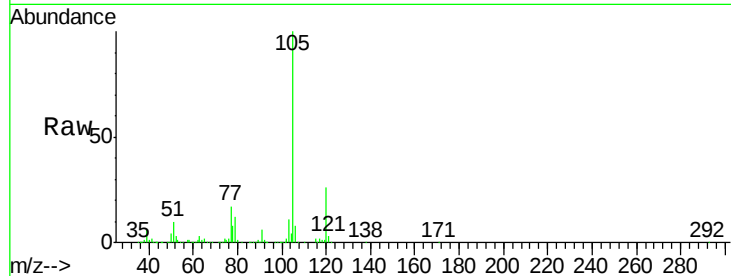
Ion Ratio Lower Upper

105 100

120 26.3 13.3 39.8

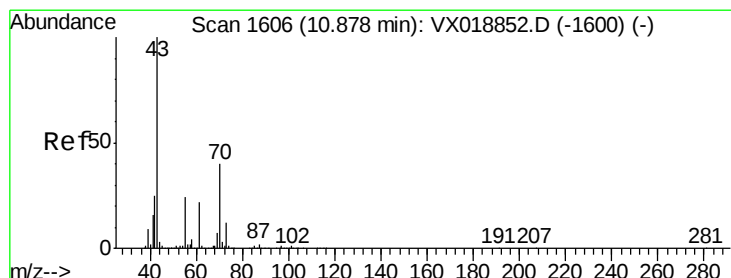
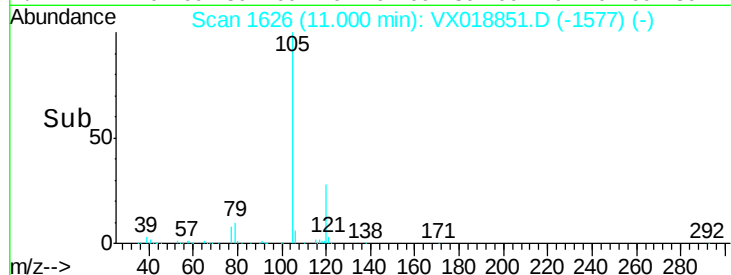
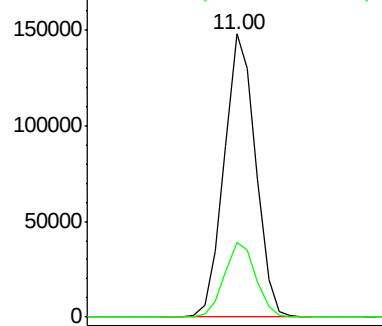
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 15.657 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

Tgt Ion: 43 Resp: 72373

Ion Ratio Lower Upper

43 100

70 42.4 33.7 50.5

55 26.6 19.8 29.8

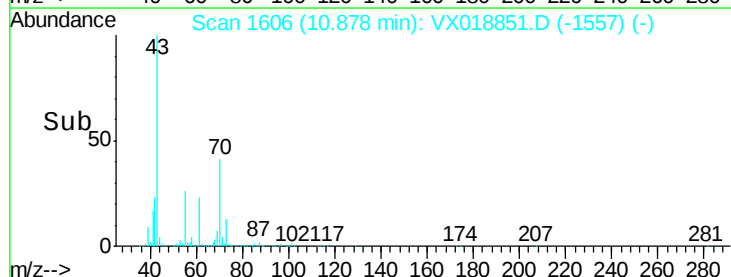
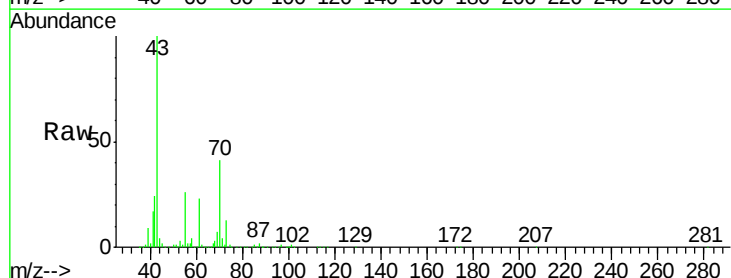
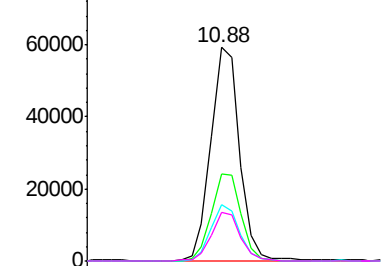
61 23.1 18.6 28.0

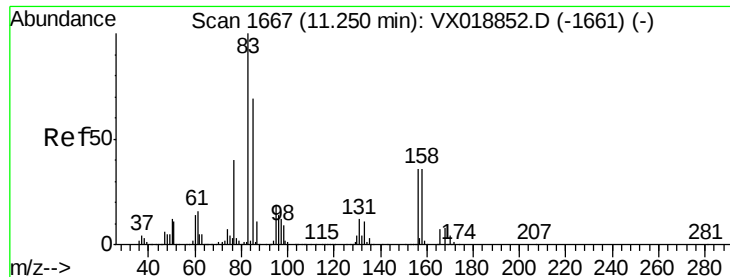
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 17.165 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

Instrument :

MSVOA_X

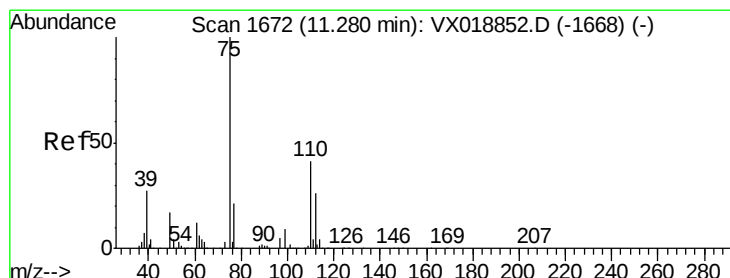
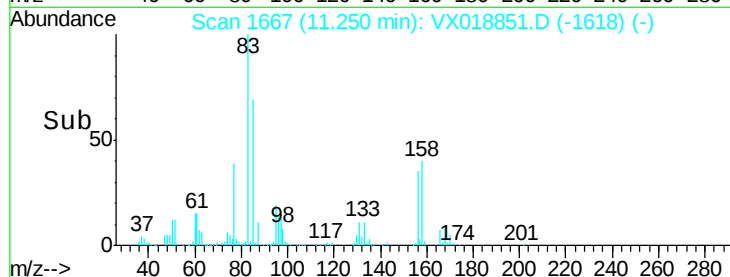
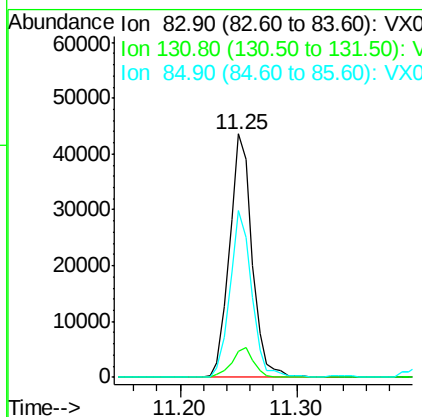
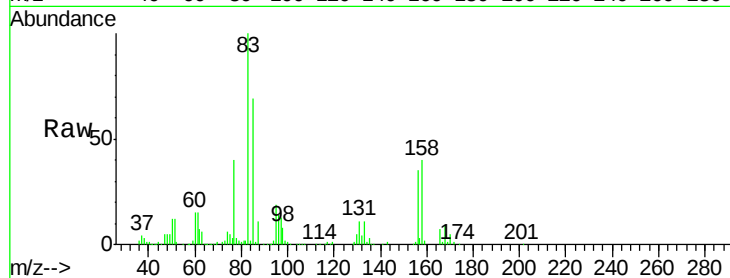
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	58852
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.9	17.8
85	66.2	33.0	98.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.073 ug/l m

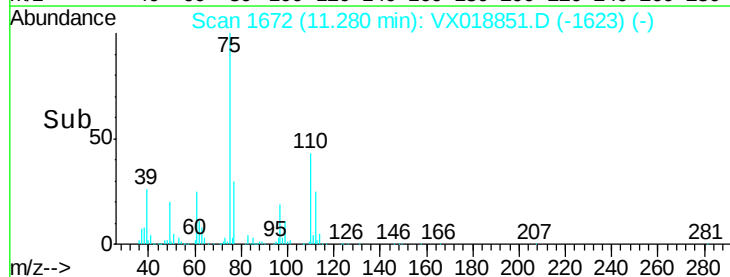
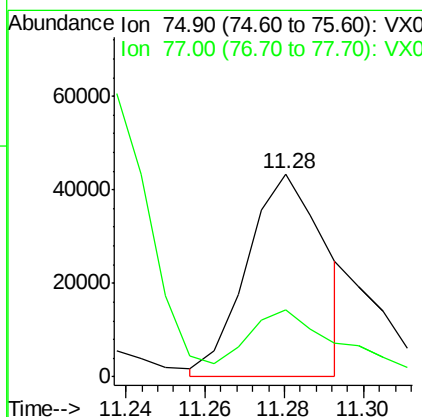
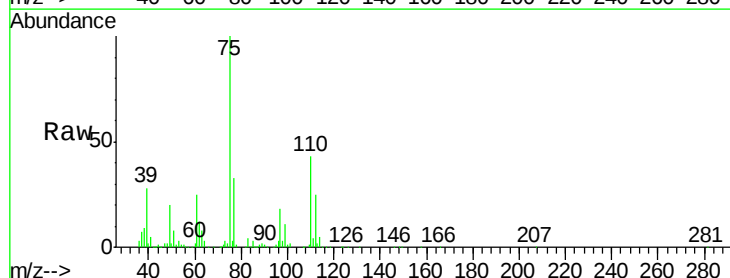
RT: 11.28 min Scan# 1672

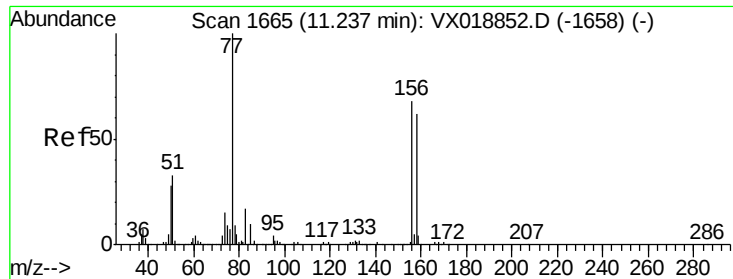
Delta R.T. 0.00 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

Tgt Ion:	75	Resp:	59165
Ion Ratio	Lower	Upper	
75	100		
77	39.3	20.2	60.6





#77

Bromobenzene

Concen: 17.779 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

Instrument :

MSVOA_X

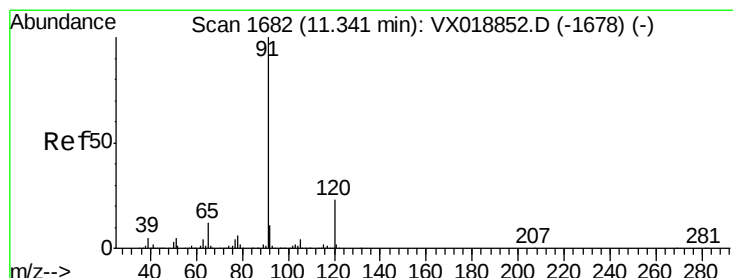
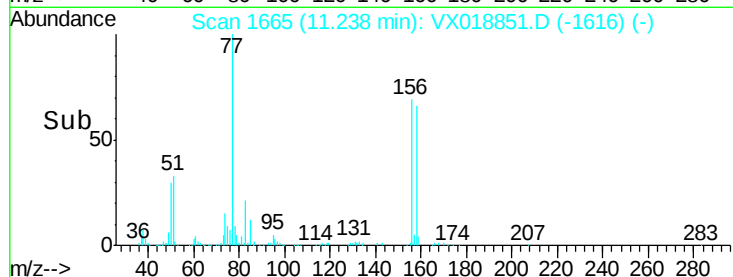
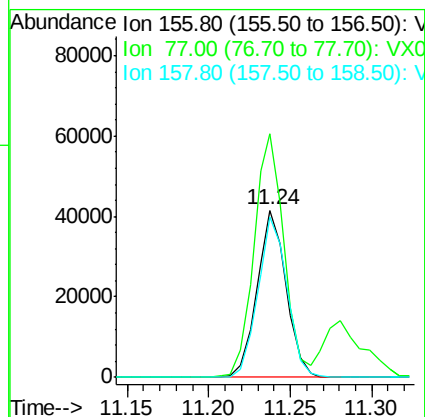
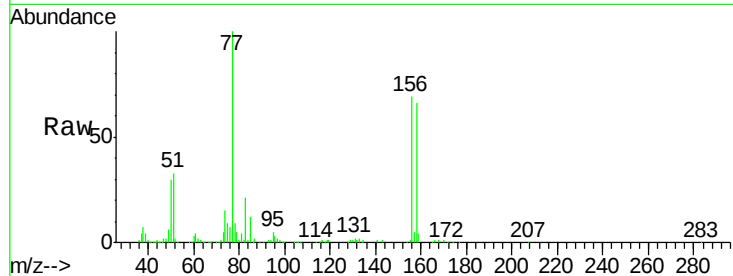
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	51254
Ion	Ratio	Lower	Upper
156	100		
77	150.6	76.0	228.1
158	96.3	47.2	141.6

Manual Integrations
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#78

n-propylbenzene

Concen: 17.118 ug/l

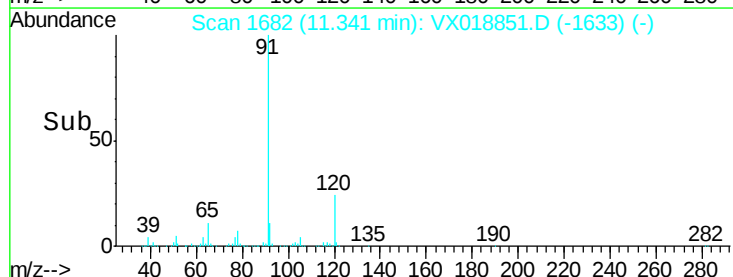
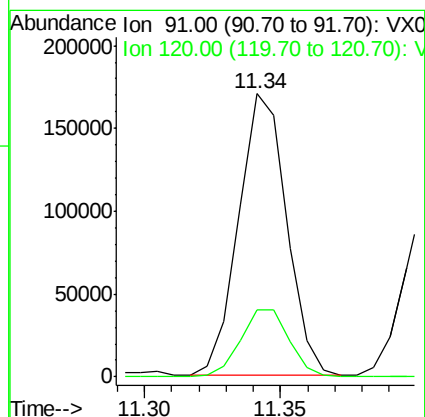
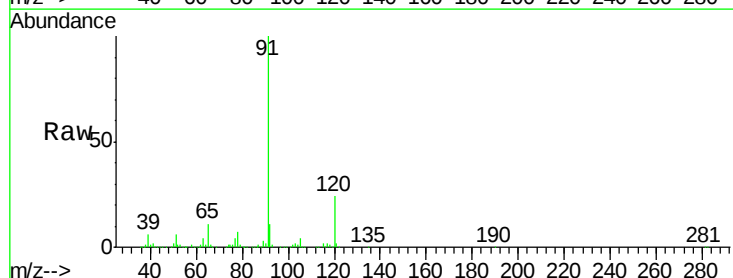
RT: 11.34 min Scan# 1682

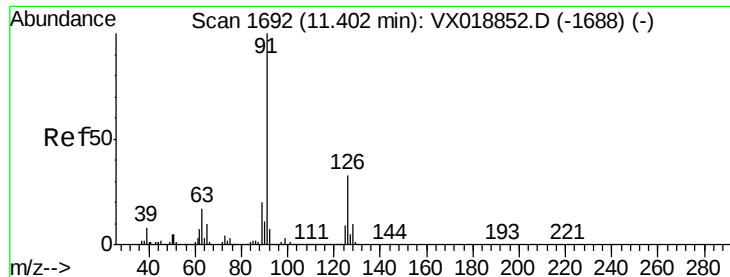
Delta R.T. 0.00 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

Tgt Ion:	91	Resp:	208238
Ion	Ratio	Lower	Upper
91	100		
120	24.5	12.0	36.0





#79

2-Chlorotoluene

Concen: 17.750 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 131086

Ion Ratio Lower Upper

91 100

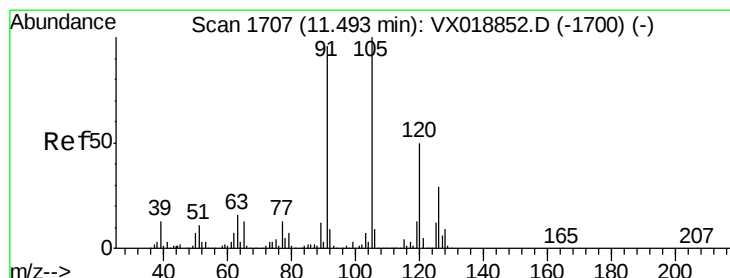
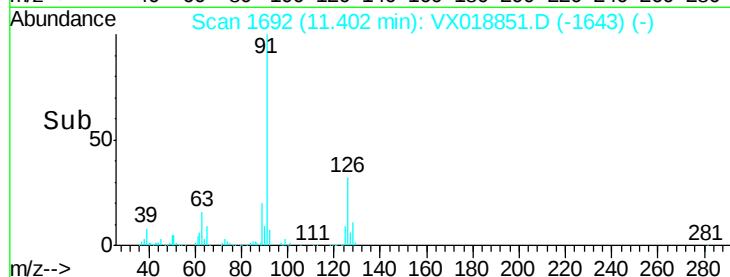
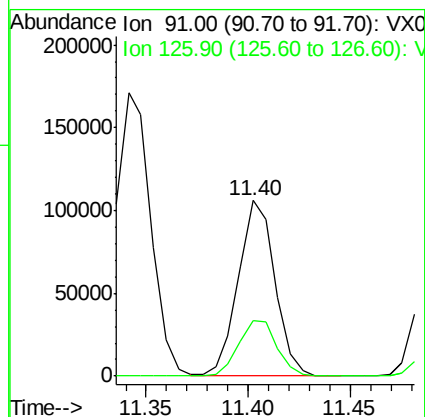
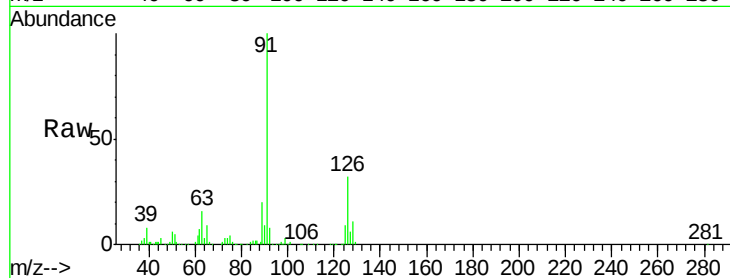
126 33.3 17.1 51.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 17.705 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX018851.D

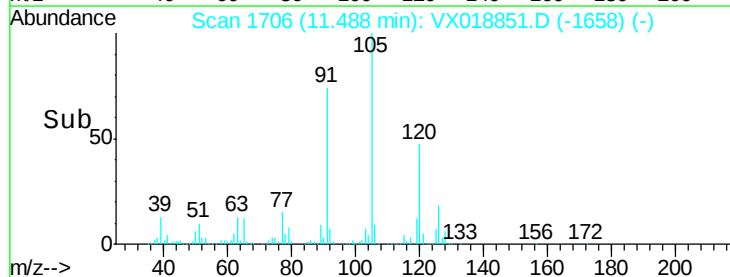
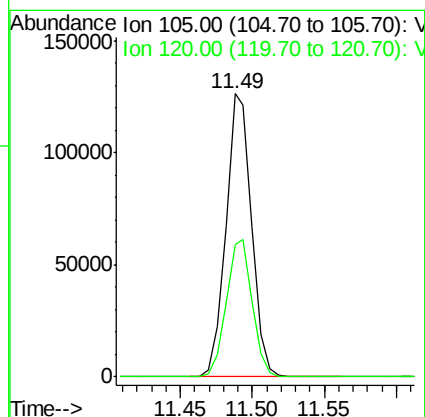
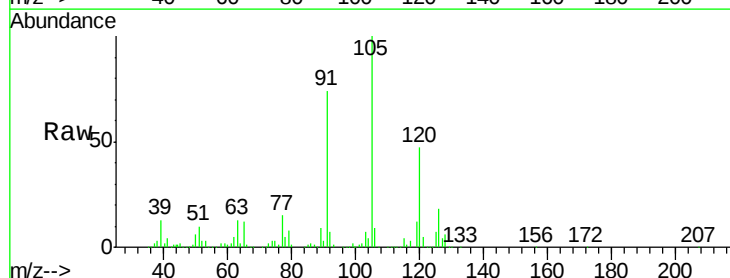
Acq: 09 Oct 2020 12:03

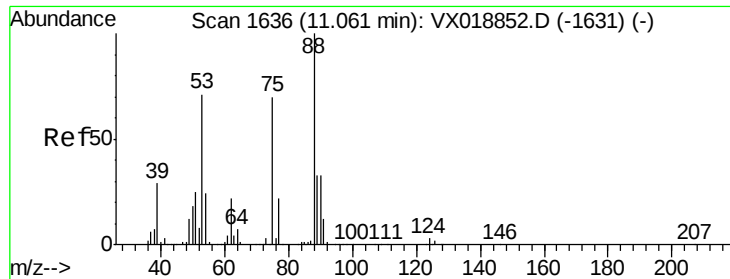
Tgt Ion: 105 Resp: 158547

Ion Ratio Lower Upper

105 100

120 49.2 23.9 71.8





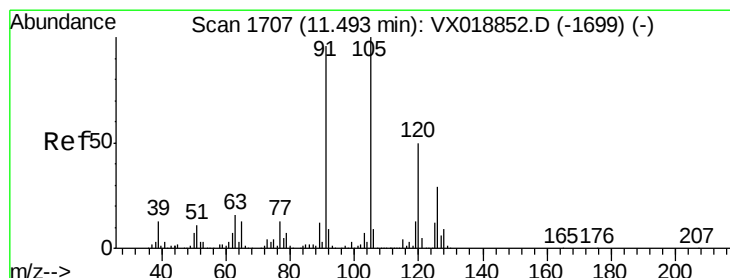
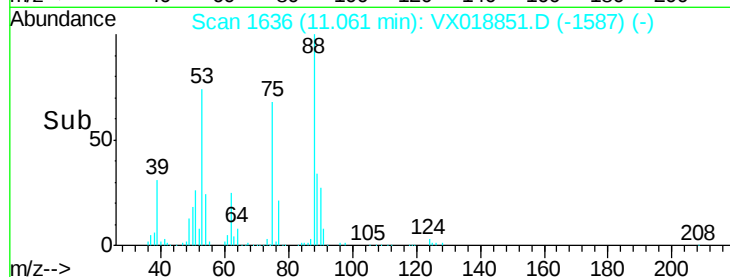
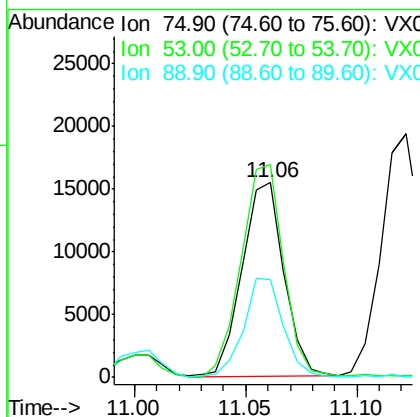
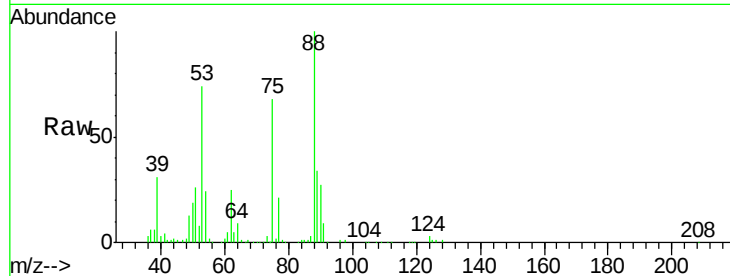
#81
trans-1,4-Dichloro-2-butene
Concen: 16.144 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.0	85.0	127.4
89	48.5	39.0	58.4

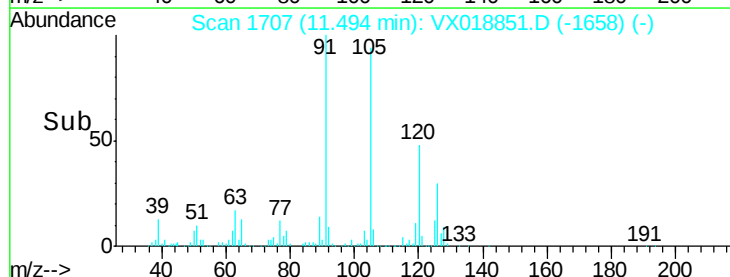
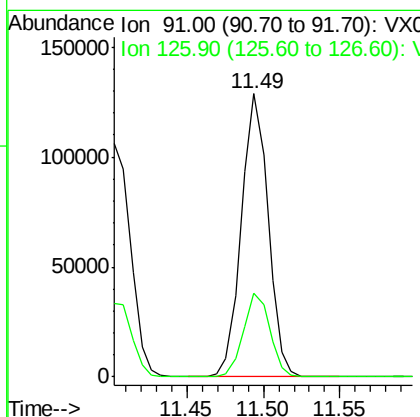
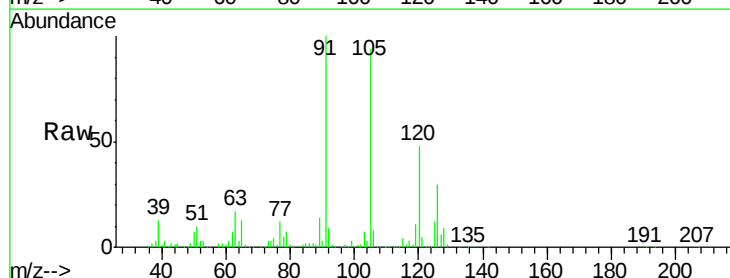
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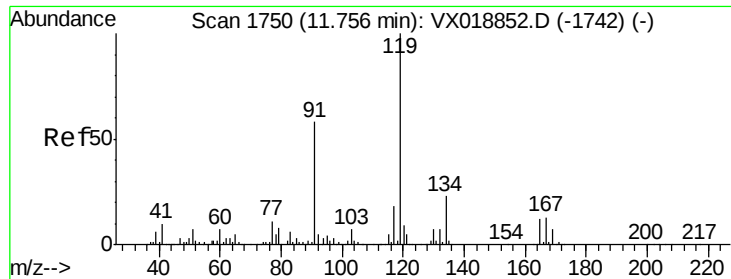
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#82
4-Chlorotoluene
Concen: 17.731 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.7	14.9	44.7





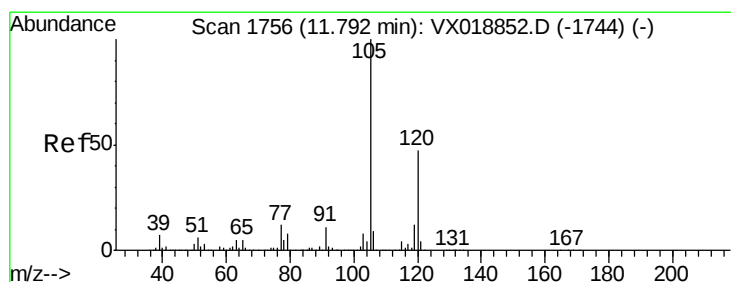
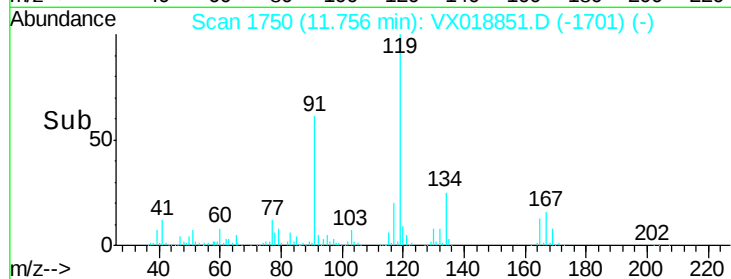
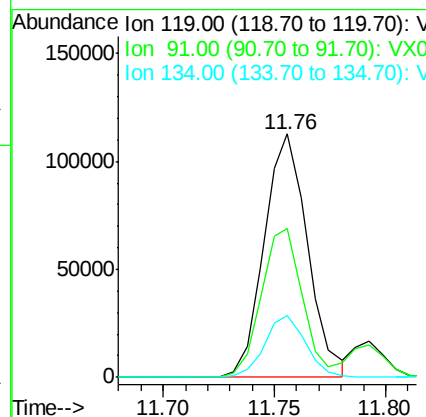
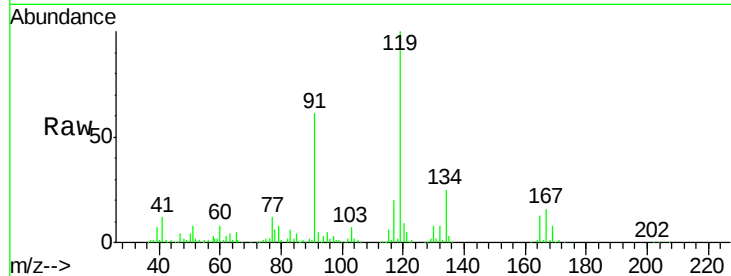
#83
tert-Butylbenzene
Concen: 17.556 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	152791		
91	57.5	28.6	85.9	
134	23.7	11.7	35.0	

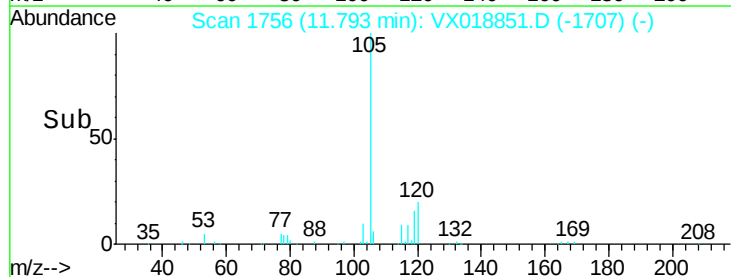
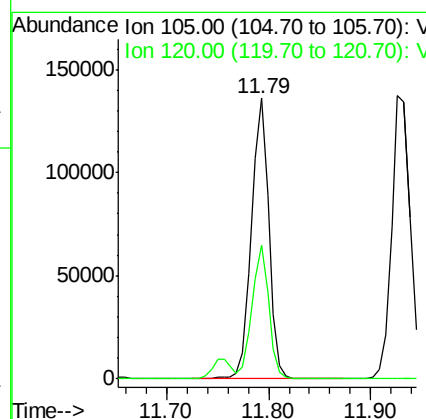
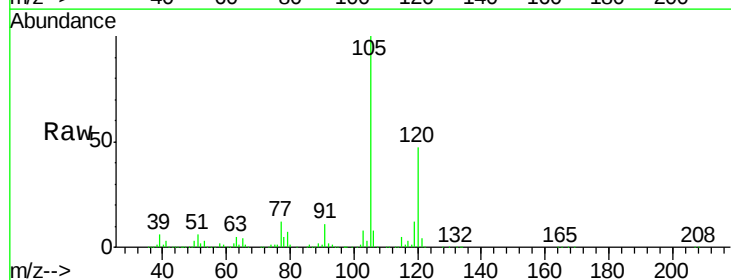
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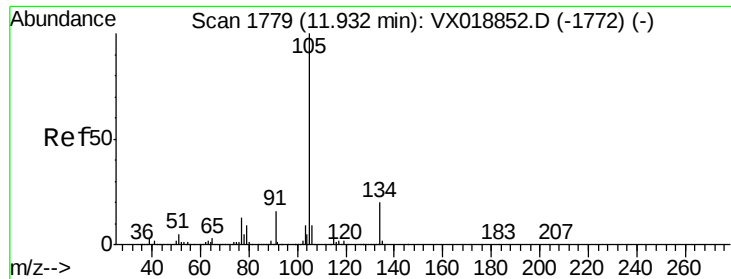
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#84
1,2,4-Trimethylbenzene
Concen: 17.961 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	161518		
120	46.0	22.6	67.8	





#85

sec-Butylbenzene

Concen: 17.242 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 176158

Ion Ratio Lower Upper

105 100

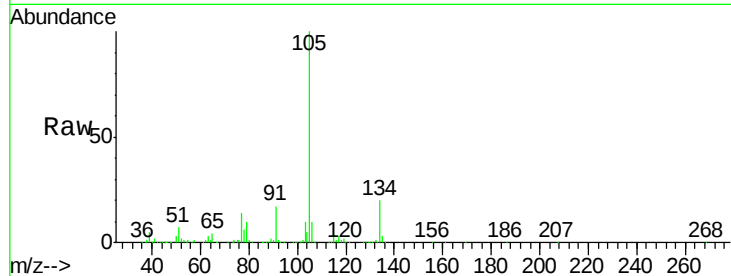
134 20.7 10.2 30.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.93

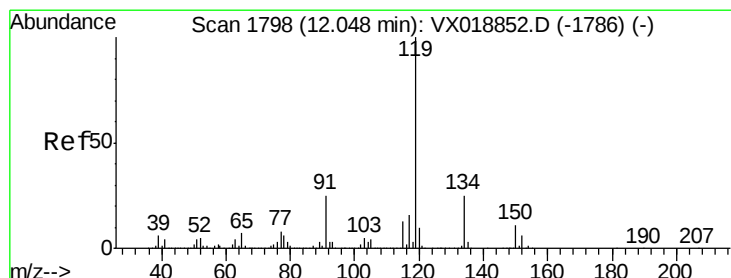
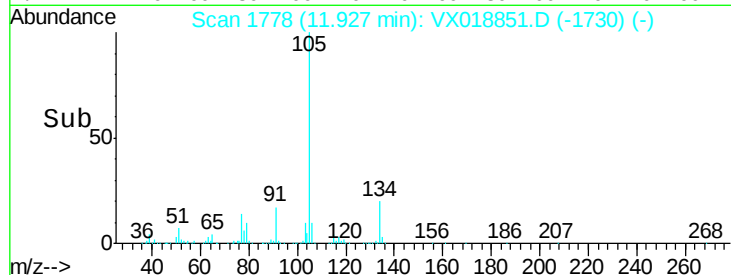
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 18.008 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

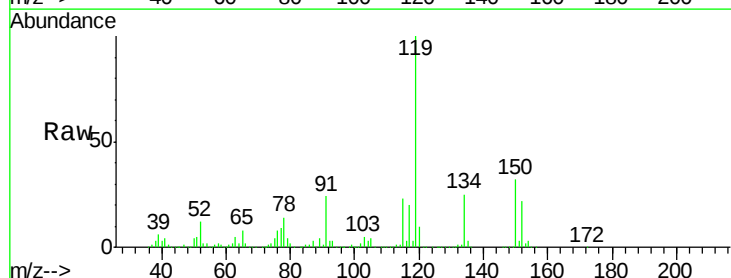
Tgt Ion:119 Resp: 169993

Ion Ratio Lower Upper

119 100

134 25.1 12.8 38.4

91 25.2 12.3 36.9



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

12.05

200000

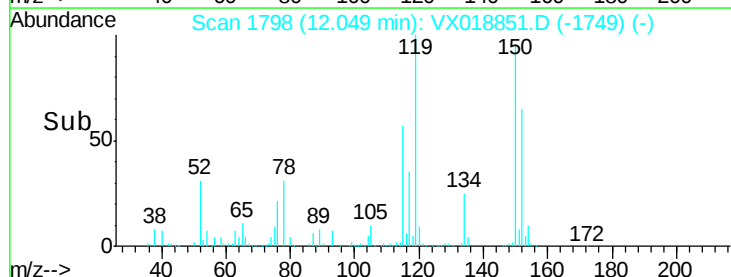
150000

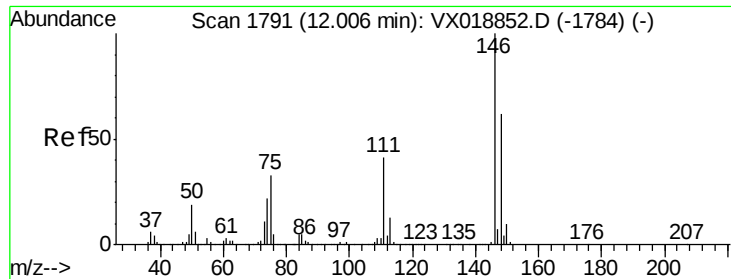
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 17.120 ug/l

RT: 12.01 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

Instrument :

MSVOA_X

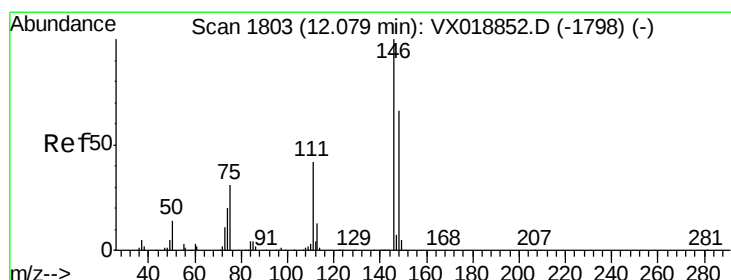
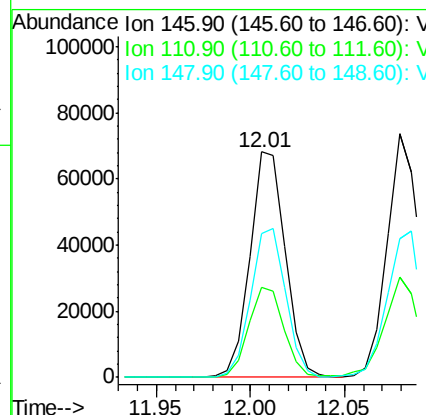
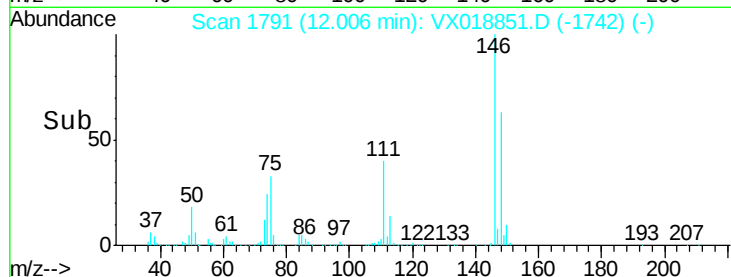
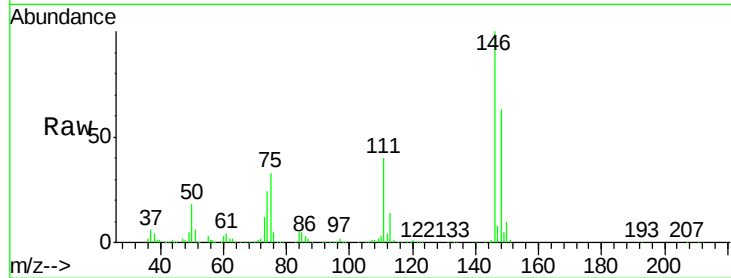
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	88727
Ion Ratio	Lower	Upper	
146	100		
111	40.1	20.0	59.9
148	65.4	31.4	94.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 17.135 ug/l

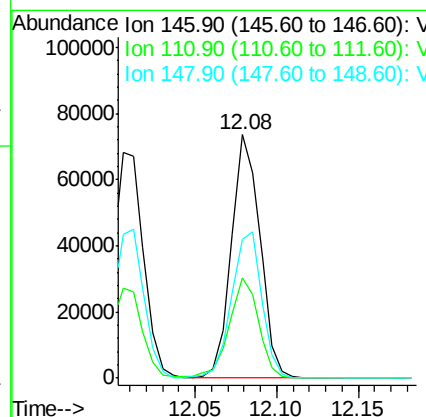
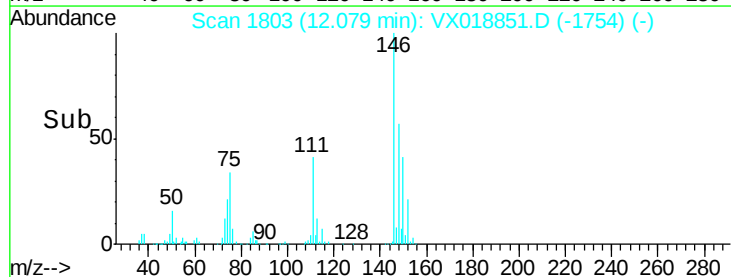
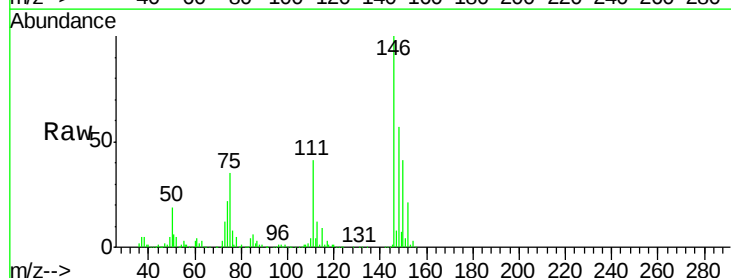
RT: 12.08 min Scan# 1803

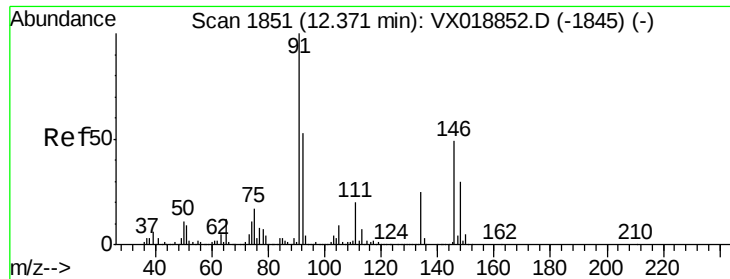
Delta R.T. 0.00 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

Tgt Ion:	146	Resp:	89665
Ion Ratio	Lower	Upper	
146	100		
111	42.6	20.5	61.5
148	63.8	32.2	96.6





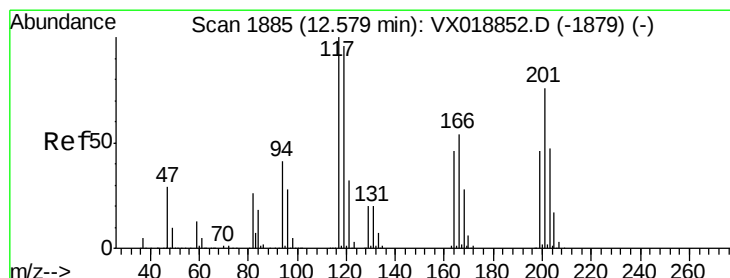
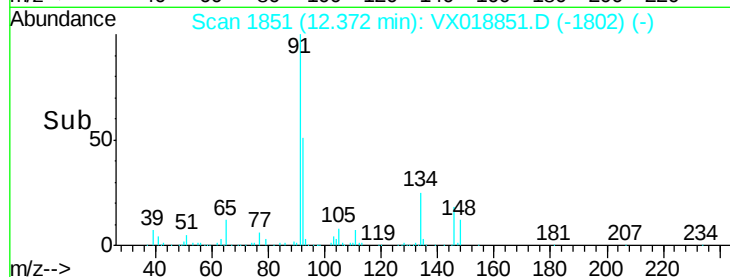
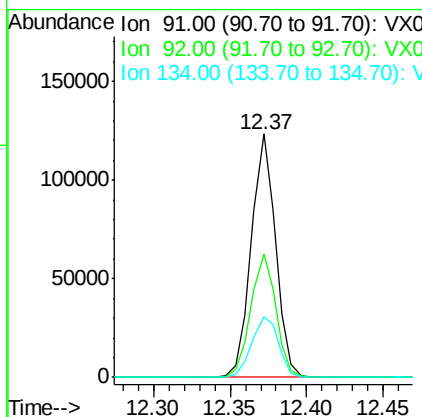
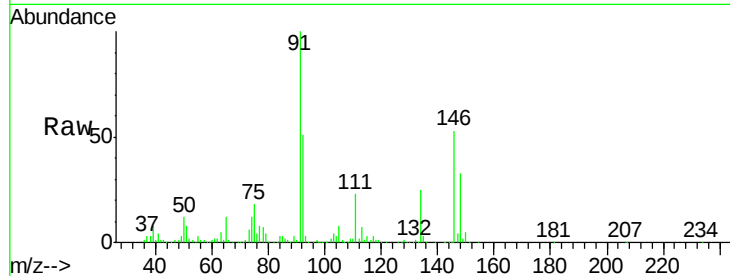
#89
n-Butylbenzene
Concen: 15.782 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.7	80.0
134	27.3	13.5	40.4

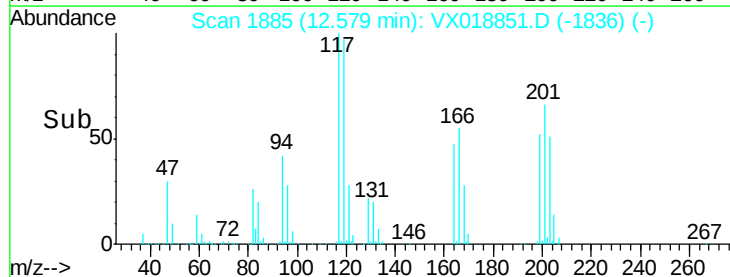
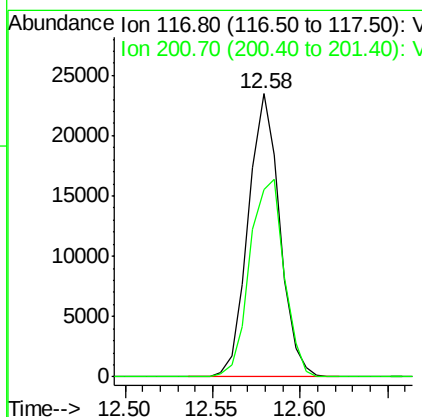
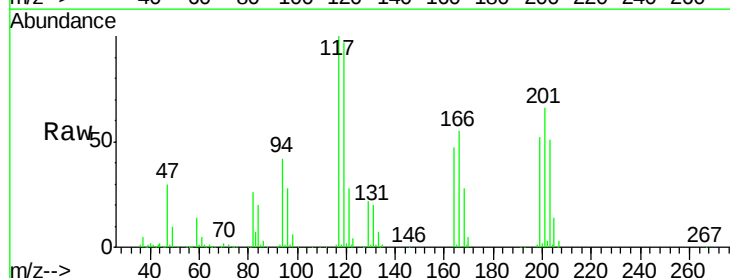
Manual Integrations
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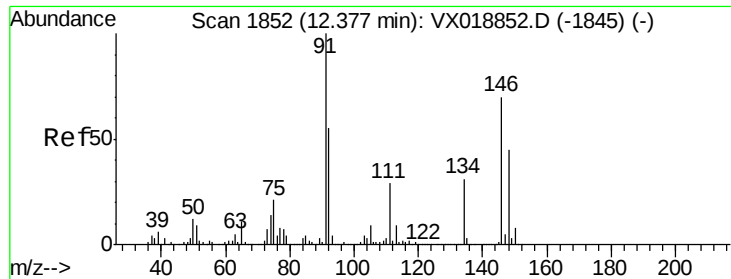
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#90
Hexachloroethane
Concen: 15.852 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX018851.D
Acq: 09 Oct 2020 12:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.3	37.4	112.2





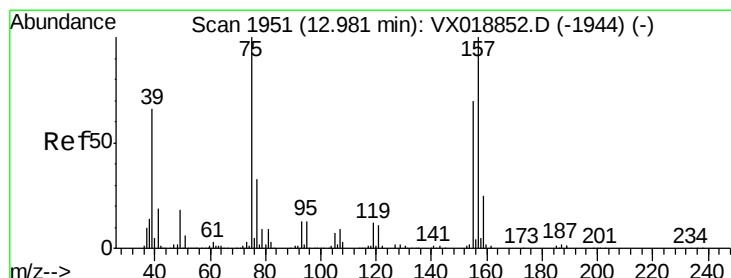
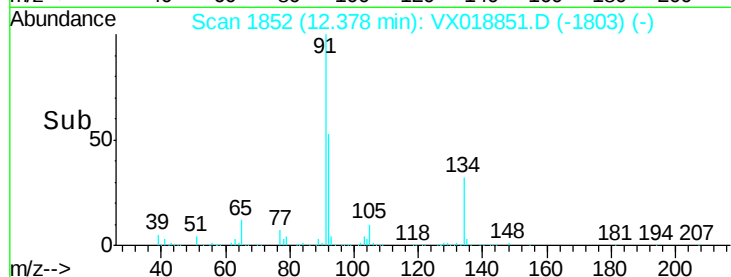
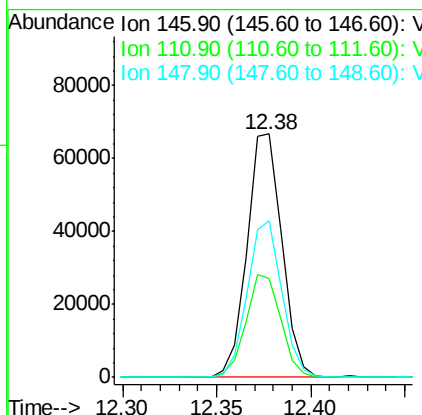
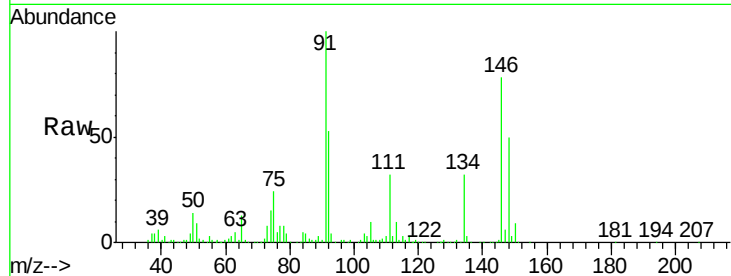
#91
 1,2-Dichlorobenzene
 Concen: 17.626 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX018851.D
 Acq: 09 Oct 2020 12:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.6	61.9
148	63.9	31.1	93.2

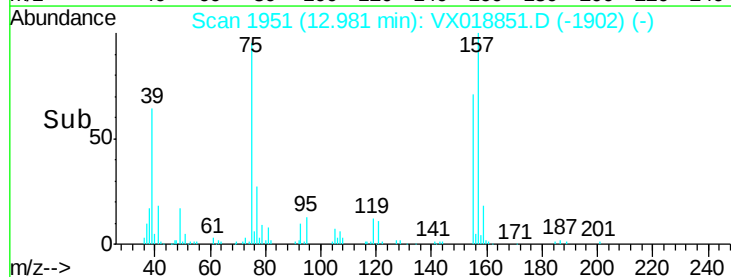
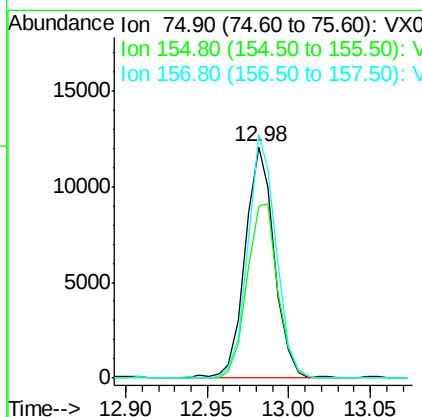
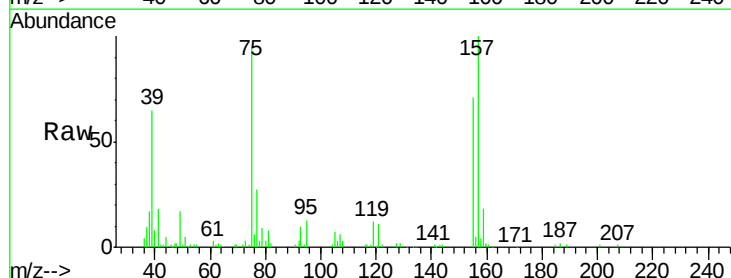
Manual Integrations
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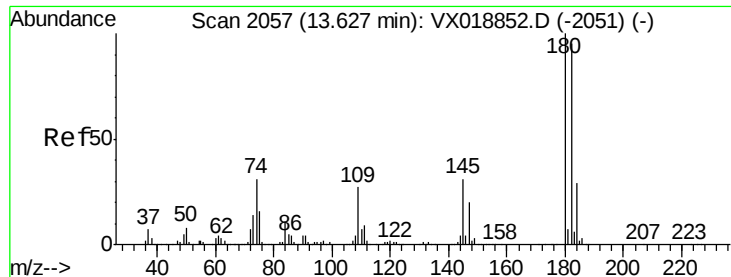
MMDadoda
 10/12/2020 2:23:21 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.916 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX018851.D
 Acq: 09 Oct 2020 12:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.6	38.0	113.9
157	101.6	50.9	152.7





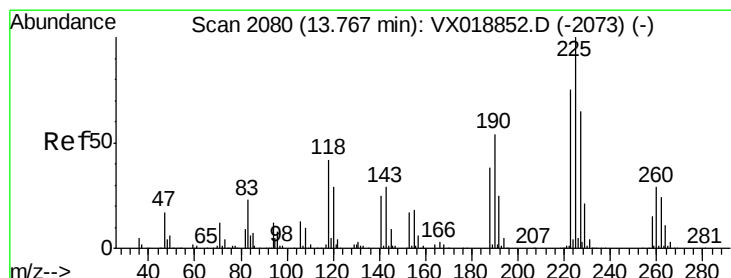
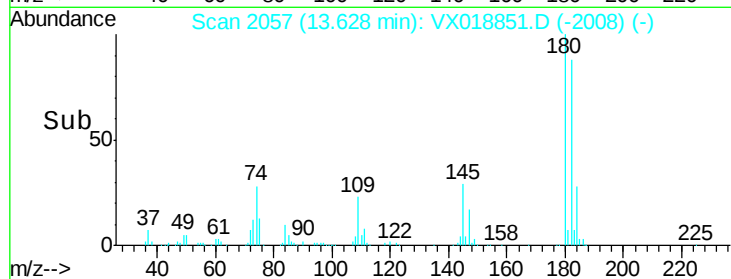
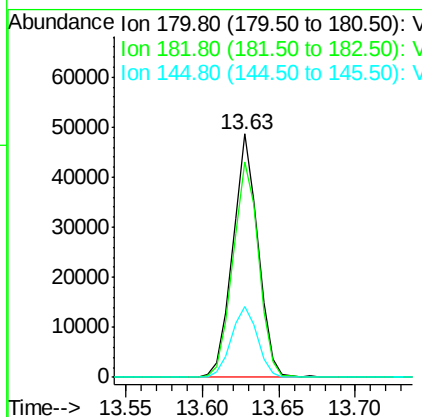
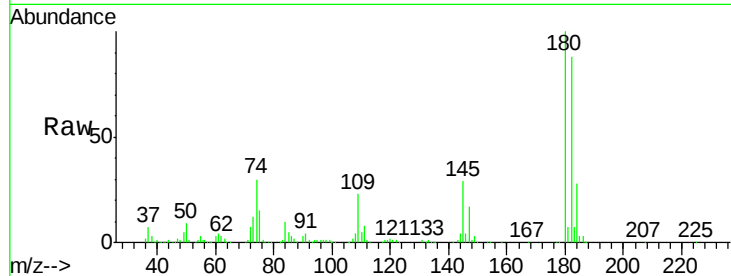
#93
 1,2,4-Trichlorobenzene
 Concen: 16.554 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018851.D
 Acq: 09 Oct 2020 12:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	55526		
182	90.5	49.1	147.3	
145	29.9	16.0	48.0	

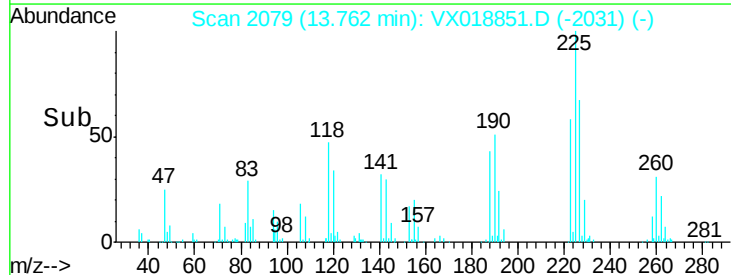
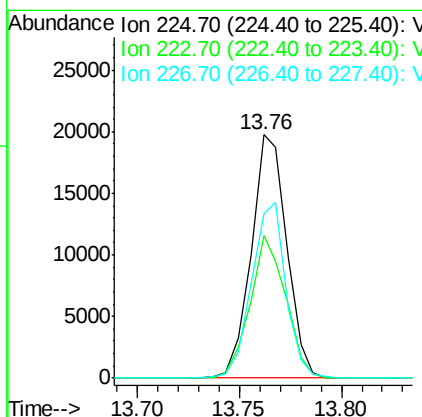
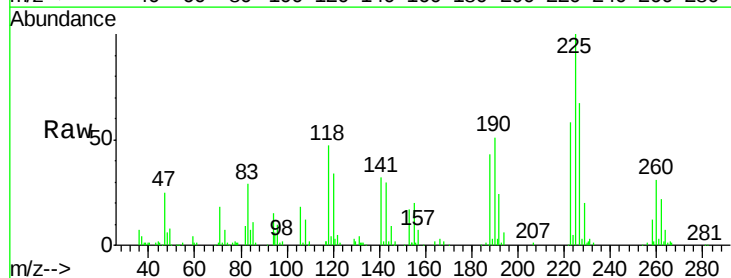
Manual Integrations
 APPROVED

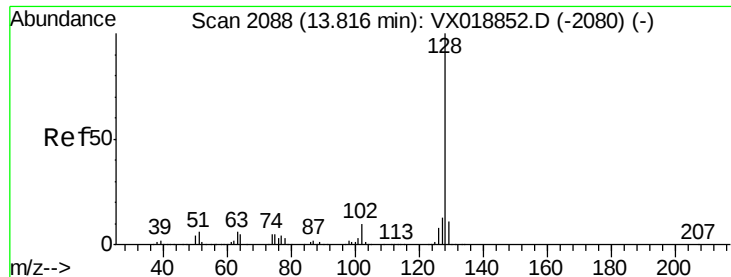
MMDadoda
 10/12/2020 2:23:21 PM



#94
 Hexachlorobutadiene
 Concen: 16.964 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX018851.D
 Acq: 09 Oct 2020 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	23911		
223	58.6	32.1	96.3	
227	69.6	33.0	98.9	





#95

Naphthalene

Concen: 15.777 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

Instrument :

MSVOA_X

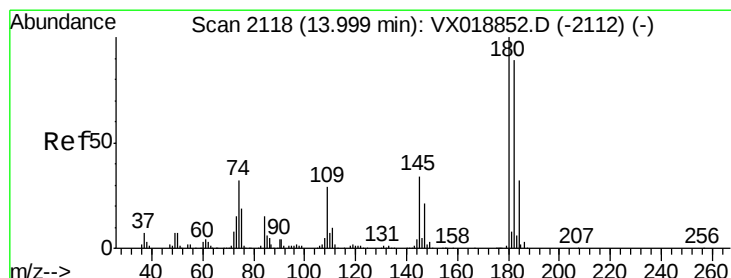
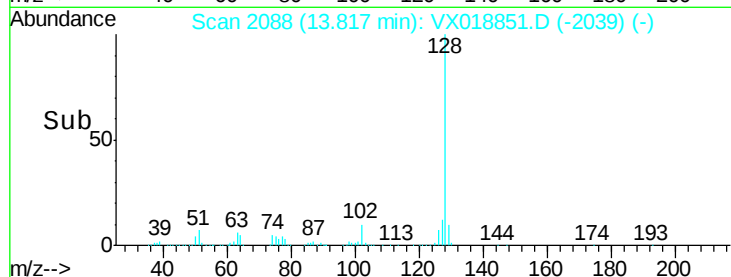
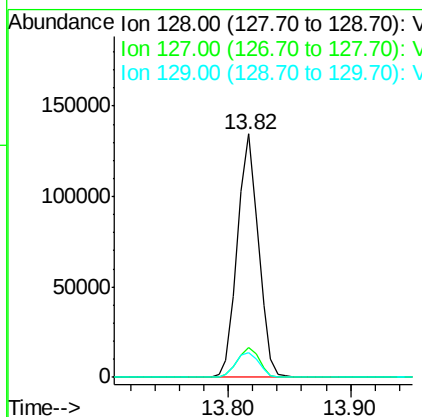
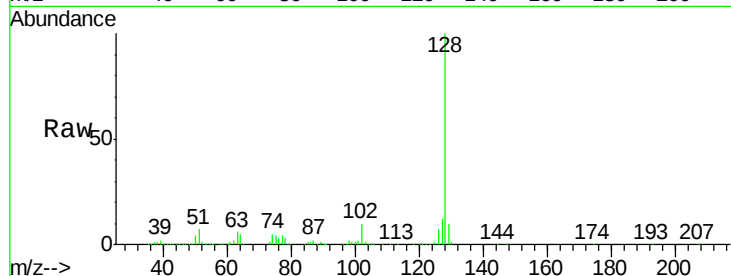
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	159682
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.1	15.1
129	11.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/12/2020 2:23:21 PM



#96

1,2,3-Trichlorobenzene

Concen: 16.771 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX018851.D

Acq: 09 Oct 2020 12:03

Tgt Ion:	180	Resp:	53888
Ion Ratio	Lower	Upper	
180	100		
182	98.9	47.7	143.1
145	35.0	16.7	50.0

