

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102419\
 Data File : VX013198.D
 Acq On : 23 Oct 2019 19:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 4:33:25 PM

Quant Time: Oct 24 04:26:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	88498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	127372	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	129398	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	88701	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	91768	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
35) Dibromofluoromethane	5.49	113	71653	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	8.71	98	264071	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
62) 4-Bromofluorobenzene	11.13	95	103748	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	80318	44.978	ug/l	98
3) Chloromethane	1.32	50	72147	49.079	ug/l	97
4) Vinyl Chloride	1.40	62	74813	46.553	ug/l	99
5) Bromomethane	1.63	94	38179	44.822	ug/l	96
6) Chloroethane	1.71	64	46673	51.998	ug/l	95
7) Trichlorofluoromethane	1.92	101	121711	48.007	ug/l	99
8) Diethyl Ether	2.18	74	42132	48.442	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	71516	45.537	ug/l	99
10) Methyl Iodide	2.50	142	93590	47.492	ug/l	100
11) Tert butyl alcohol	3.04	59	98648	245.647	ug/l	99
12) 1,1-Dichloroethene	2.36	96	71513	47.436	ug/l	99
13) Acrolein	2.28	56	51182	235.679	ug/l	96
14) Allyl chloride	2.72	41	112335	47.331	ug/l	99
15) Acrylonitrile	3.13	53	202031	247.626	ug/l	99
16) Acetone	2.44	43	184101	211.117	ug/l	97
17) Carbon Disulfide	2.56	76	184954	45.634	ug/l	99
18) Methyl Acetate	2.76	43	97324	51.090	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	257908	48.581	ug/l	100
20) Methylene Chloride	2.84	84	81667	50.079	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	76883	49.024	ug/l	90
22) Diisopropyl ether	3.84	45	225387	48.568	ug/l	96
23) Vinyl Acetate	3.80	43	989510	250.867	ug/l	100
24) 1,1-Dichloroethane	3.69	63	137056	48.015	ug/l	99
25) 2-Butanone	4.66	43	273249	233.649	ug/l	98
26) 2,2-Dichloropropane	4.58	77	116471	44.151	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	88137	47.737	ug/l	98
28) Bromochloromethane	5.00	49	39372	53.493	ug/l	100
29) Tetrahydrofuran	5.12	42	169182	240.000	ug/l	99
30) Chloroform	5.20	83	146016	48.046	ug/l	99
31) Cyclohexane	5.57	56	113705	47.500	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	131244	48.570	ug/l	99
36) 1,1-Dichloropropene	5.79	75	104464	48.994	ug/l	98
37) Ethyl Acetate	4.82	43	106545	50.196	ug/l	99
38) Carbon Tetrachloride	5.78	117	110852	47.085	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	123918	45.445	ug/l	99
40) Benzene	6.14	78	309094	48.313	ug/l	97
41) Methacrylonitrile	5.03	41	57605	50.621	ug/l	99
42) 1,2-Dichloroethane	6.18	62	121577	50.401	ug/l	100
43) Isopropyl Acetate	6.43	43	178599	50.679	ug/l	100
44) Trichloroethene	7.20	130	85706	47.201	ug/l	99
45) 1,2-Dichloropropane	7.51	63	77310	48.246	ug/l	95
46) Dibromomethane	7.65	93	55872	48.396	ug/l	99
47) Bromodichloromethane	7.89	83	111707	49.651	ug/l	98
48) Methyl methacrylate	7.76	41	86741	49.800	ug/l	99
49) 1,4-Dioxane	7.73	88	41134	927.885	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	529679	246.586	ug/l	99
52) Toluene	8.78	92	199281	47.001	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	121878	50.977	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	132932	50.825	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	82041	48.942	ug/l	98
56) Ethyl methacrylate	9.17	69	132257	52.422	ug/l	98
57) 1,3-Dichloropropane	9.37	76	136628	48.306	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	268265	272.504	ug/l	100
59) 2-Hexanone	9.49	43	410399	248.030	ug/l	98
60) Dibromochloromethane	9.58	129	89999	51.238	ug/l	100
61) 1,2-Dibromoethane	9.67	107	88438	49.696	ug/l	98
64) Tetrachloroethene	9.33	164	83314	52.270	ug/l	95
65) Chlorobenzene	10.14	112	213025	47.029	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	82467	49.283	ug/l	99
67) Ethyl Benzene	10.25	91	392158	48.360	ug/l	99
68) m/p-Xylenes	10.35	106	290437	94.772	ug/l	100
69) o-Xylene	10.70	106	141890	48.265	ug/l	98
70) Styrene	10.71	104	246329	48.662	ug/l	99
71) Bromoform	10.85	173	62991	51.519	ug/l #	100
73) Isopropylbenzene	11.01	105	382800	47.524	ug/l	100
74) N-amyl acetate	10.89	43	150122	50.779	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	121736	49.774	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	96358m	45.072	ug/l	
77) Bromobenzene	11.25	156	91938	47.623	ug/l	99
78) n-propylbenzene	11.35	91	396213	45.284	ug/l	100
79) 2-Chlorotoluene	11.42	91	258574	46.773	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	325668	48.643	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	39990	51.402	ug/l	100
82) 4-Chlorotoluene	11.51	91	307680	49.120	ug/l	97
83) tert-Butylbenzene	11.76	119	315500	47.630	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	330786	48.982	ug/l	99
85) sec-Butylbenzene	11.94	105	347885	46.151	ug/l	99
86) p-Isopropyltoluene	12.06	119	337164	47.611	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	166144	47.638	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	160839	45.295	ug/l	99
89) n-Butylbenzene	12.39	91	280777	48.467	ug/l	100
90) Hexachloroethane	12.59	117	56883	47.964	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	164810	48.056	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	30568	50.260	ug/l	98

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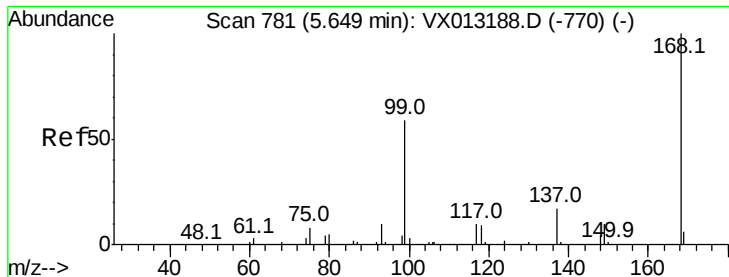
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	103468	47.912	ug/l	94
94) Hexachlorobutadiene	13.78	225	50645	45.336	ug/l	96
95) Naphthalene	13.83	128	348483	52.578	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	103383	48.446	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 88498

Ion Ratio Lower Upper

168 100

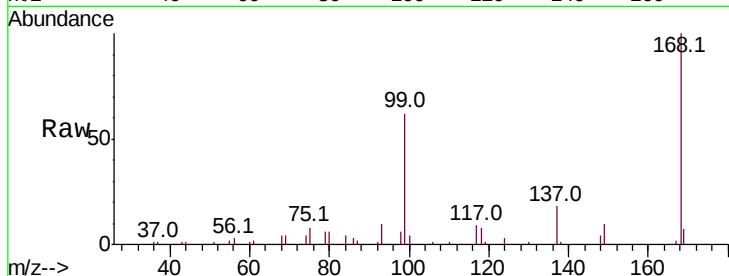
99 61.6 47.0 70.4

Manual Integrations

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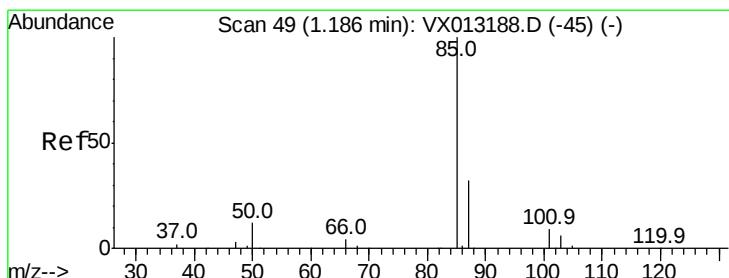
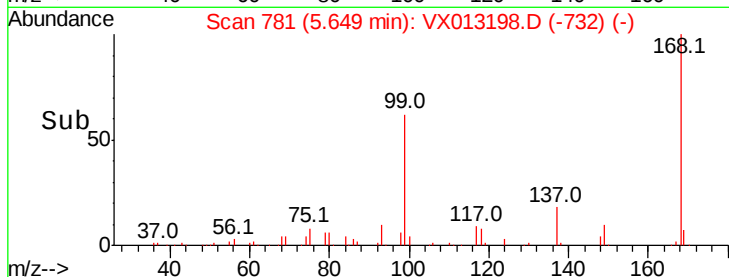
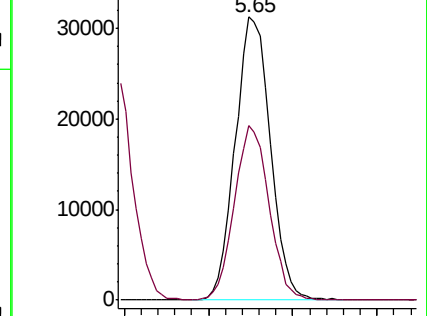
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 44.978 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX013198.D

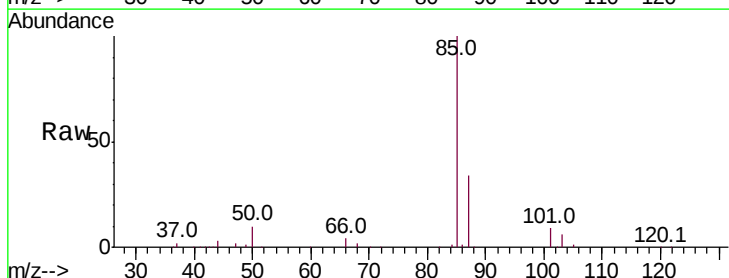
Acq: 23 Oct 2019 19:41

Tgt Ion: 85 Resp: 80318

Ion Ratio Lower Upper

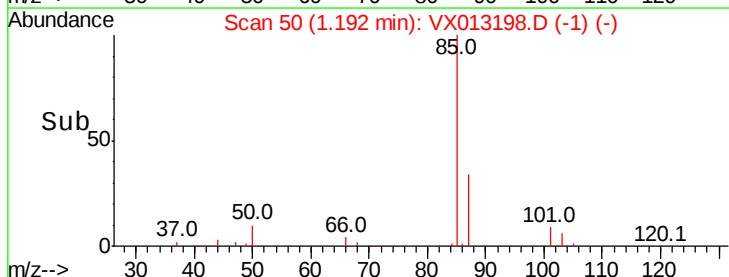
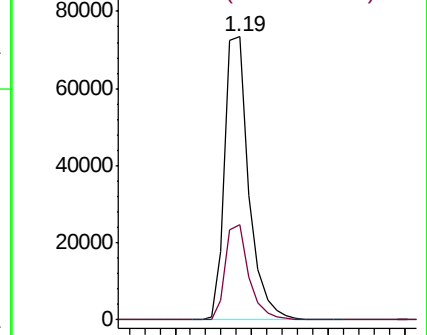
85 100

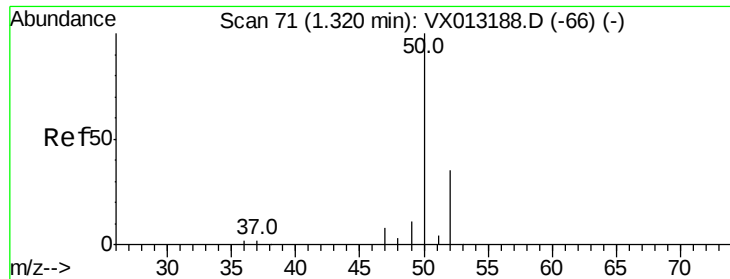
87 33.8 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 49.079 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 72147

Ion Ratio Lower Upper

50 100

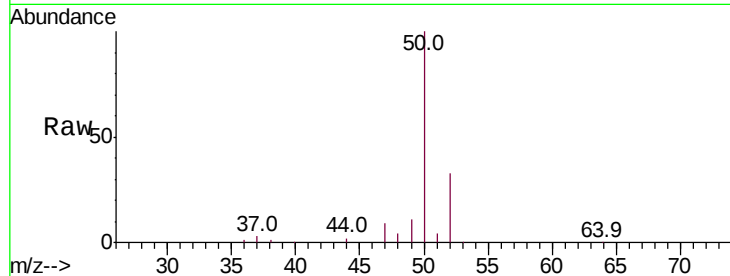
52 33.1 27.8 41.6

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

80000

60000

40000

20000

0

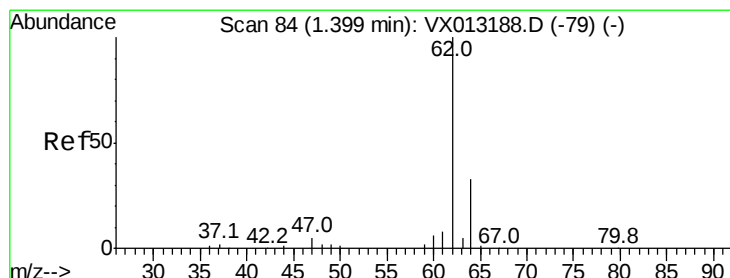
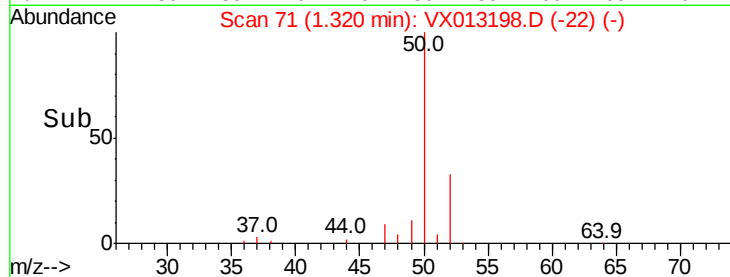
1.25

1.30

1.35

1.40

Time-->



#4

Vinyl Chloride

Concen: 46.553 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013198.D

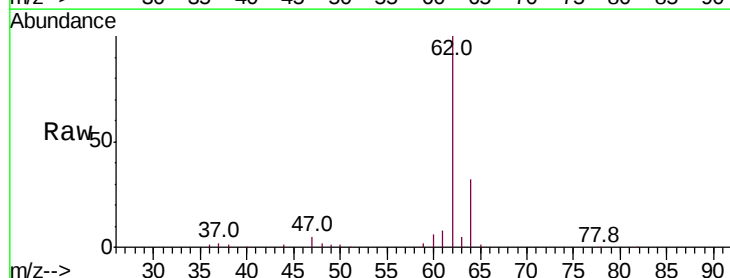
Acq: 23 Oct 2019 19:41

Tgt Ion: 62 Resp: 74813

Ion Ratio Lower Upper

62 100

64 32.4 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

80000

60000

40000

20000

0

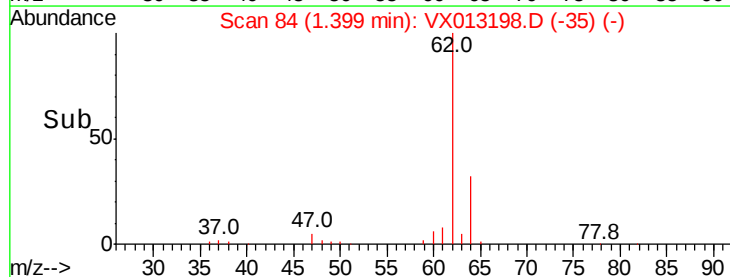
1.35

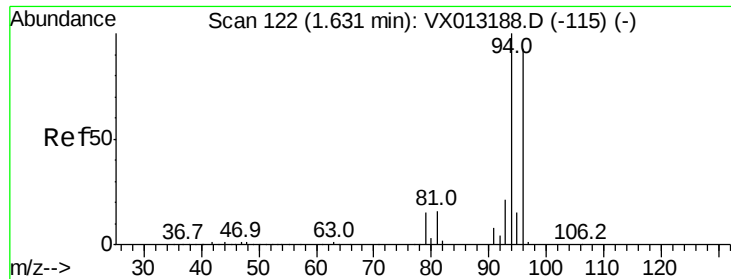
1.40

1.45

1.50

Time-->





#5

Bromomethane

Concen: 44.822 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 38179

Ion Ratio Lower Upper

94 100

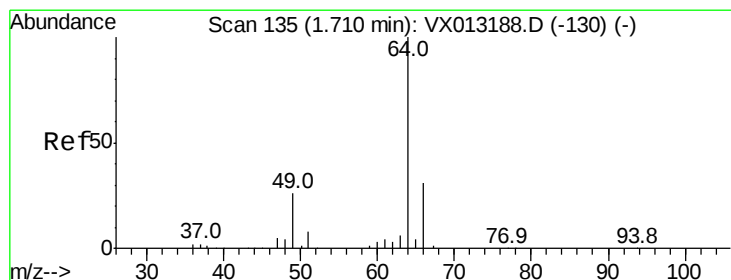
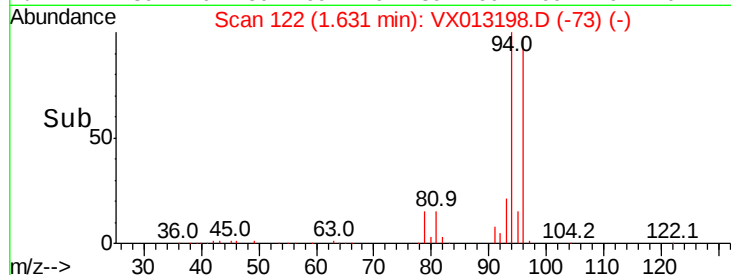
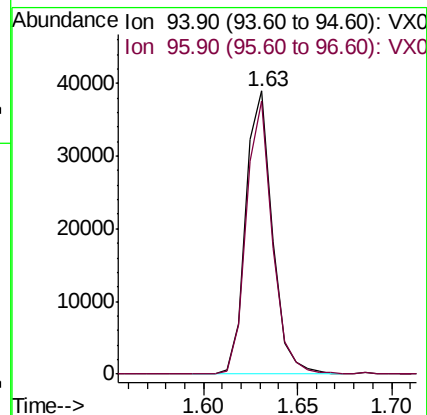
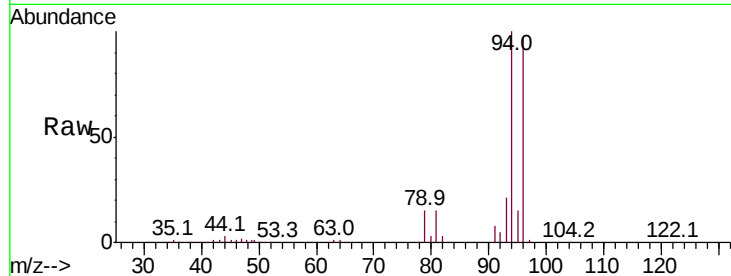
96 96.7 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 51.998 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013198.D

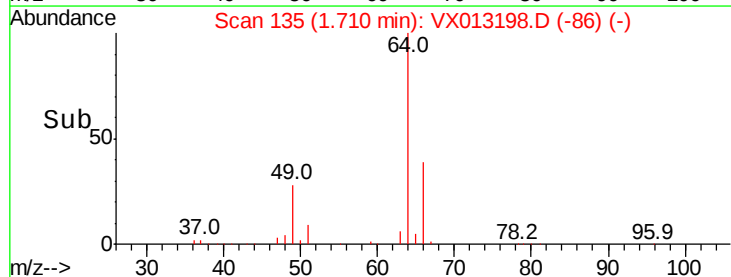
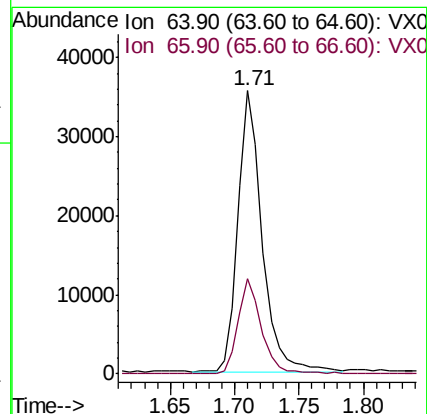
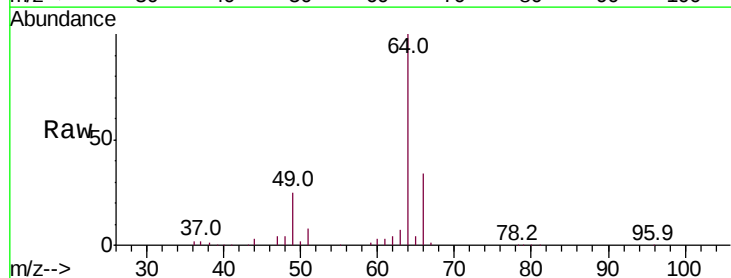
Acq: 23 Oct 2019 19:41

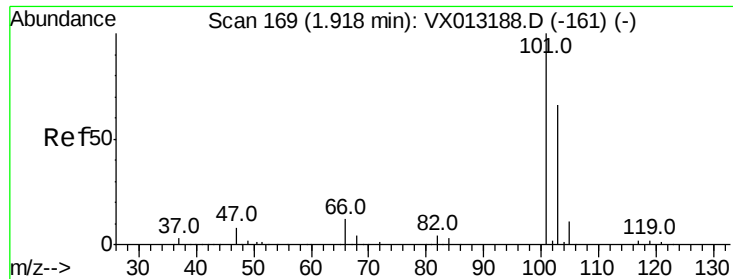
Tgt Ion: 64 Resp: 46673

Ion Ratio Lower Upper

64 100

66 34.0 25.0 37.6





#7

Trichlorofluoromethane

Concen: 48.007 ug/l

RT: 1.92 min Scan# 169

Delta R.T. 0.00 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

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Tot Ion:101 Resp: 121711

Ion Ratio Lower Upper

101 100

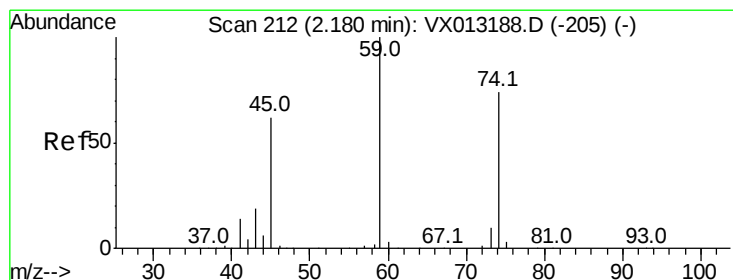
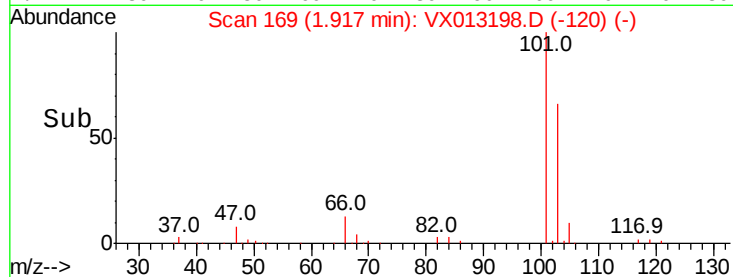
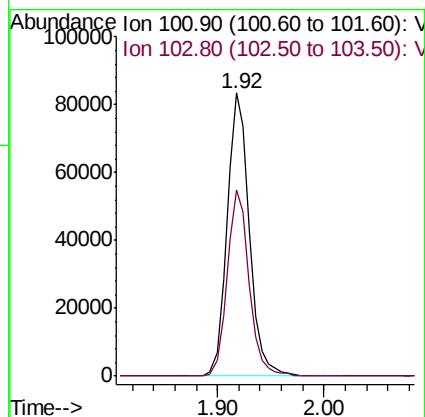
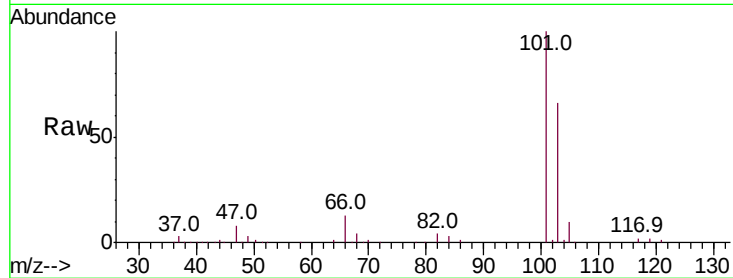
103 65.6 53.0 79.6

Manual Integrations

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#8

Diethyl Ether

Concen: 48.442 ug/l

RT: 2.18 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX013198.D

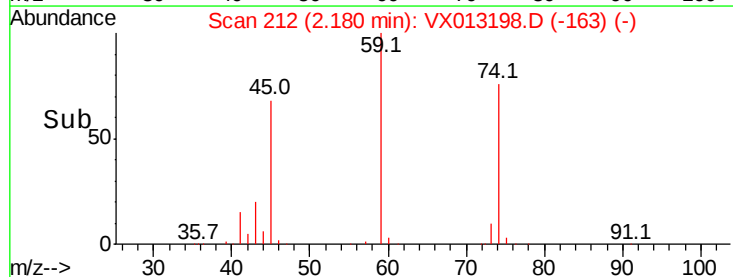
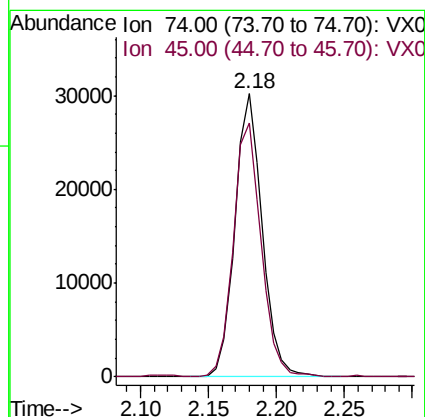
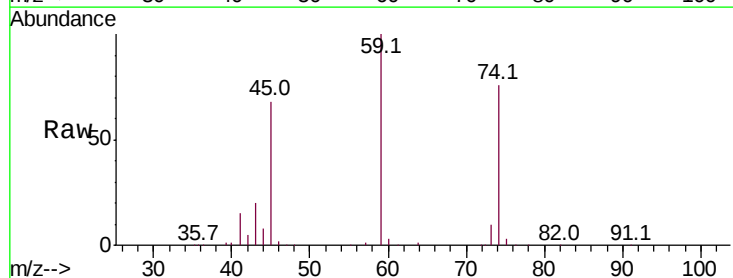
Acq: 23 Oct 2019 19:41

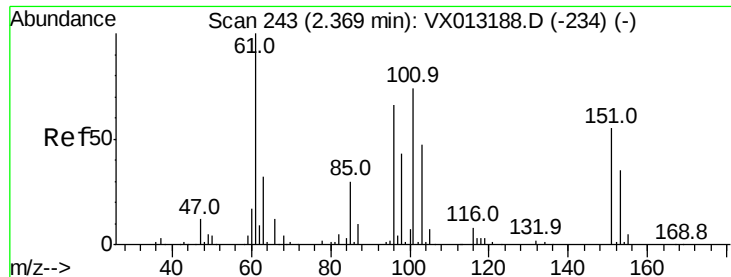
Tgt Ion: 74 Resp: 42132

Ion Ratio Lower Upper

74 100

45 90.6 44.8 134.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.537 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

Instrument :

MSVOA_X

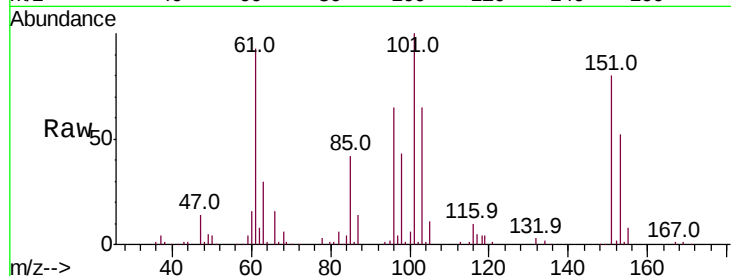
ClientSampleId :

VSTDCCC050EC

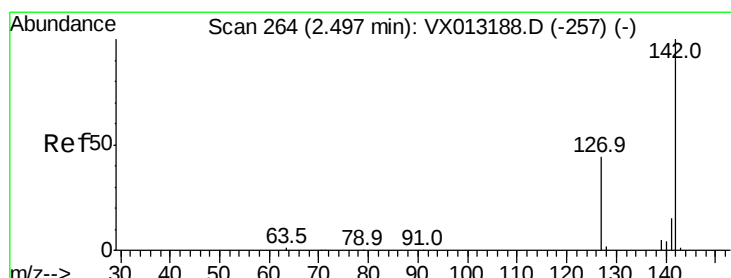
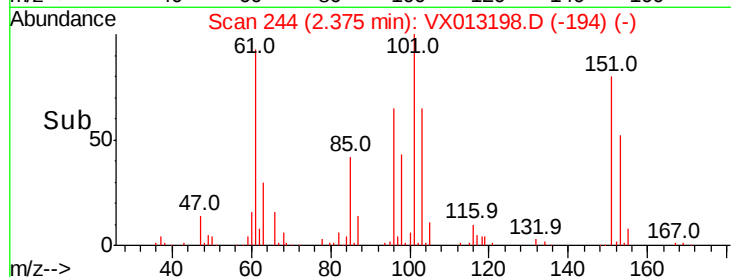
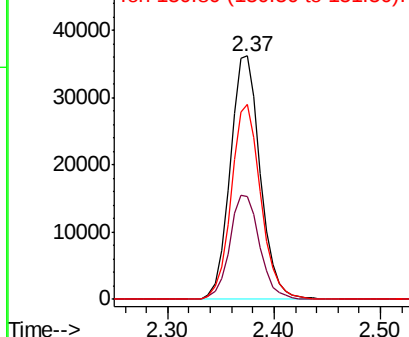
Tot Ion:	101	Resp:	71516
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.0	51.0
151	79.0	62.0	93.0

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.492 ug/l

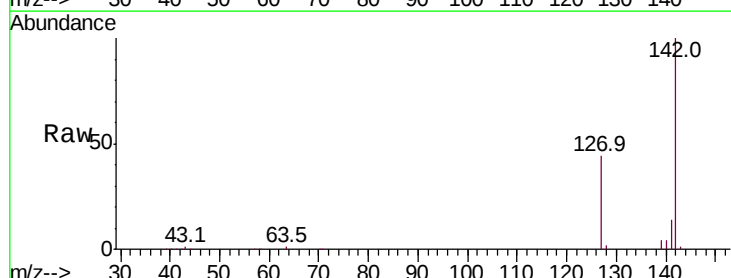
RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

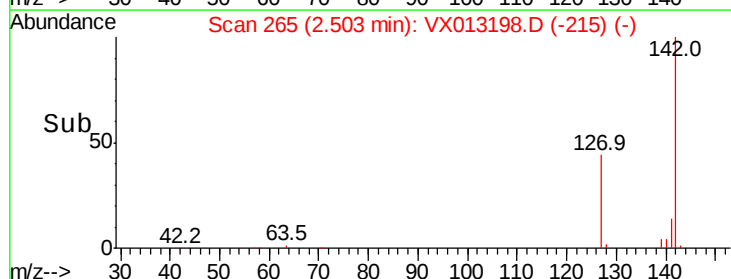
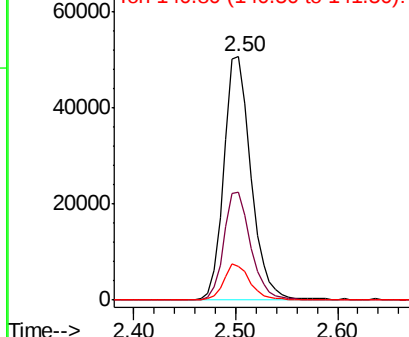
Lab File: VX013198.D

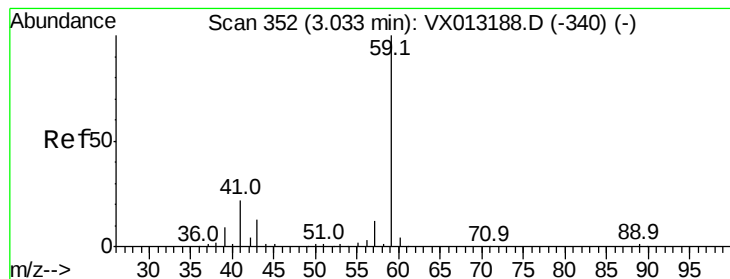
Acq: 23 Oct 2019 19:41

Tgt Ion:	142	Resp:	93590
Ion Ratio	Lower	Upper	
142	100		
127	44.2	35.6	53.4
141	14.4	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

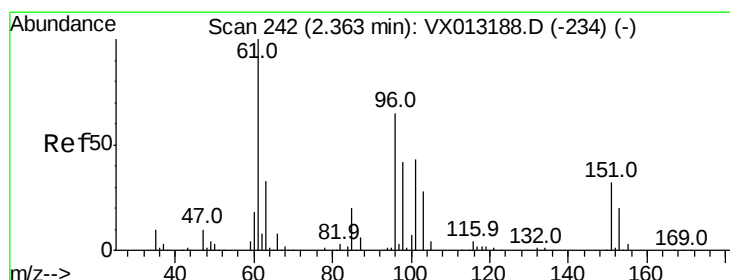
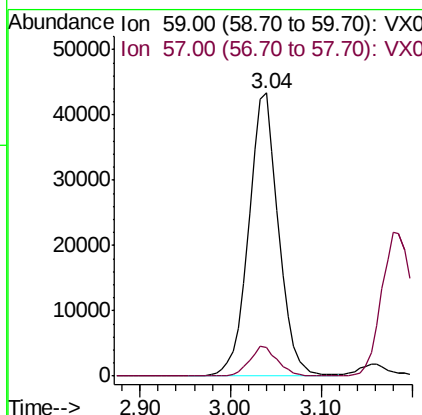
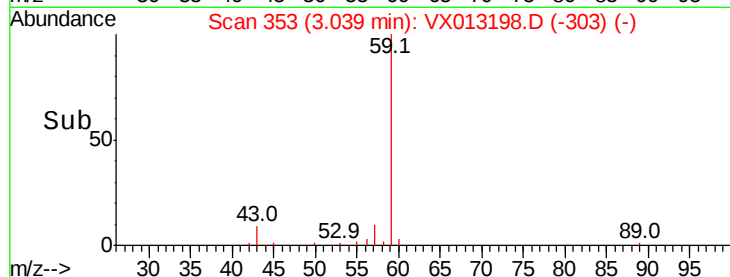
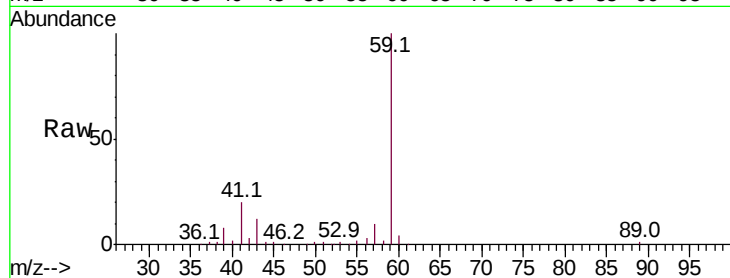
Tert butyl alcohol
 Concen: 245.647 ug/l
 RT: 3.04 min Scan# 353
 Delta R.T. 0.01 min
 Lab File: VX013198.D
 Acq: 23 Oct 2019 19:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100			
57	57	9.8		8.2	12.4

Manual Integrations
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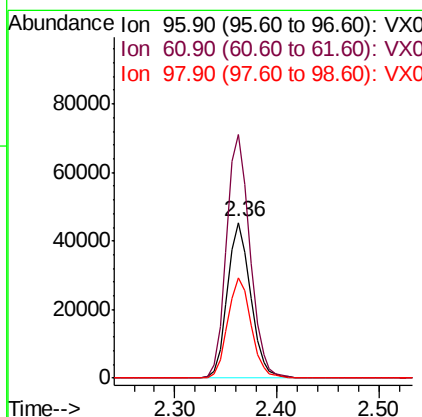
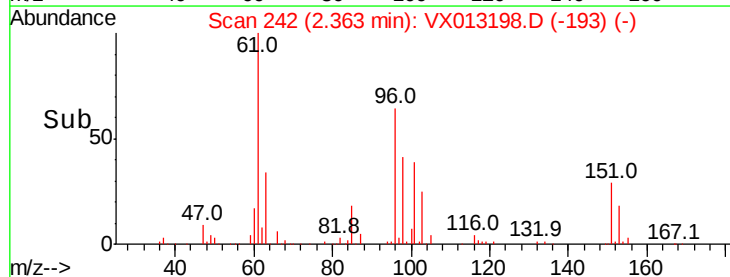
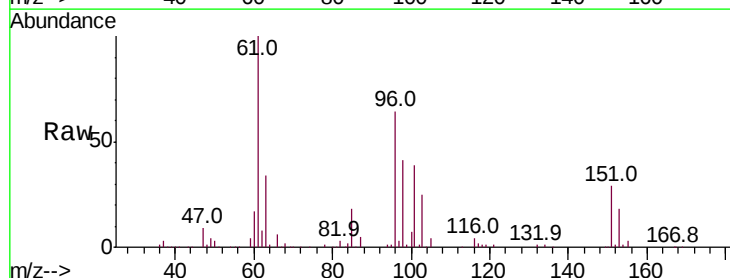
MMDadoda
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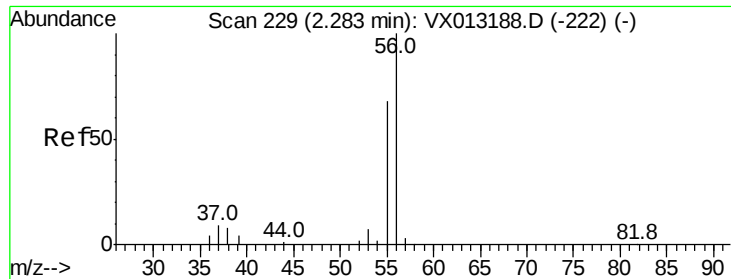


#12

1,1-Dichloroethene
 Concen: 47.436 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VX013198.D
 Acq: 23 Oct 2019 19:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100			
61	61	156.4		123.8	185.8
98	98	64.4		51.6	77.4





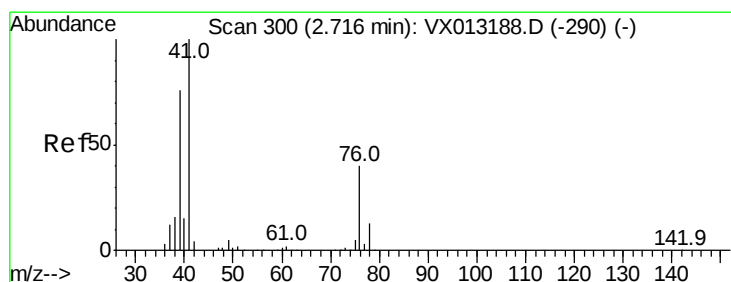
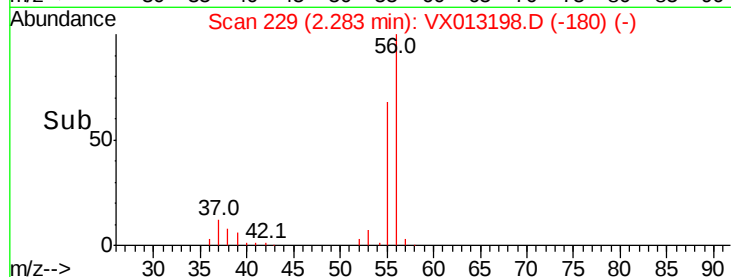
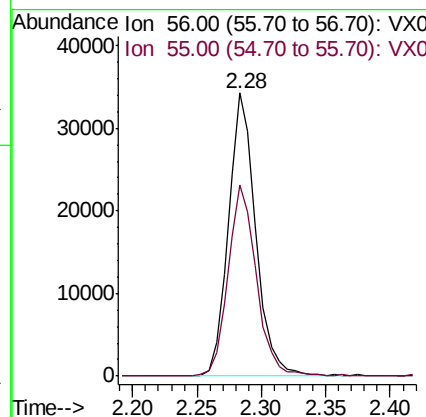
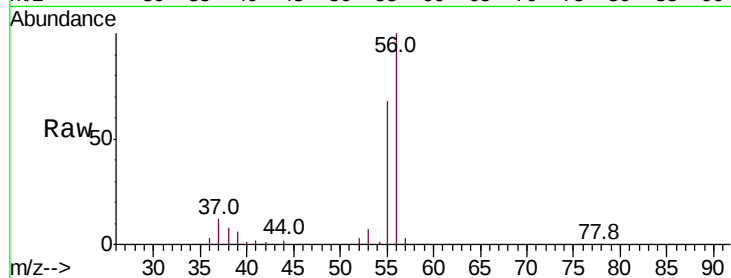
#13
Acrolein
Concen: 235.679 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.0	58.9	88.3

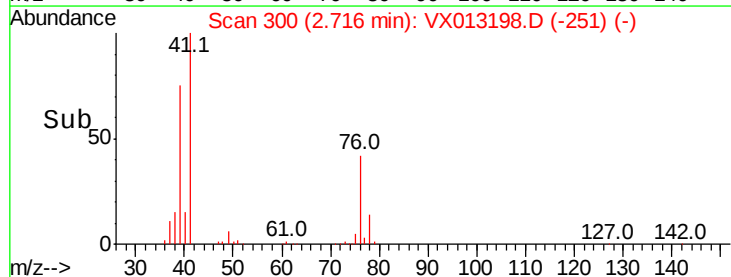
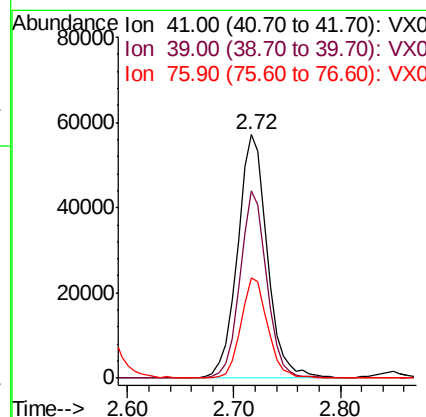
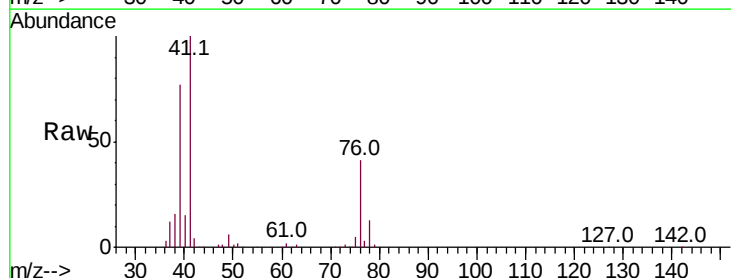
Manual Integrations
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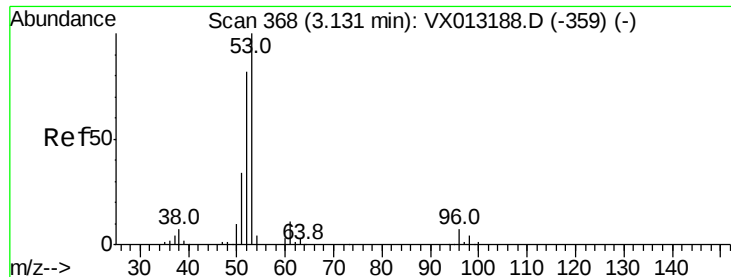
MMDadoda
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#14
Allyl chloride
Concen: 47.331 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Tgt Ion	Ratio	Lower	Upper
41	100		
39	69.2	54.6	81.8
76	37.0	29.8	44.6





#15

Acrylonitrile

Concen: 247.626 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

Instrument :

MSVOA_X

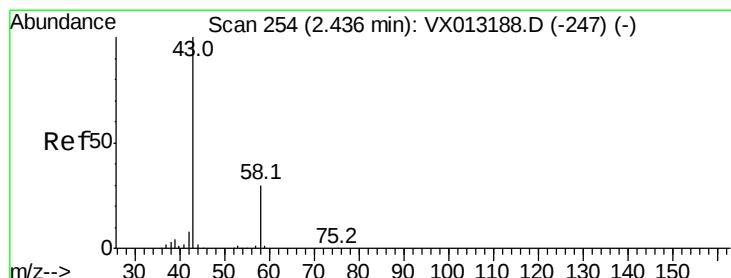
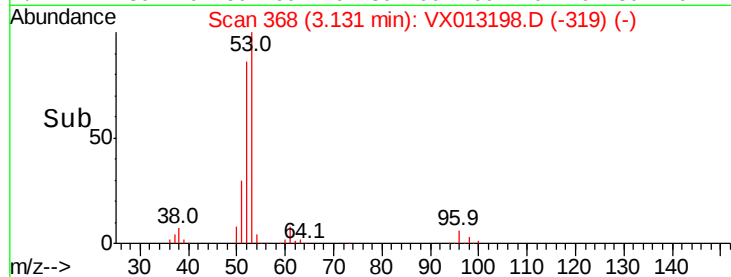
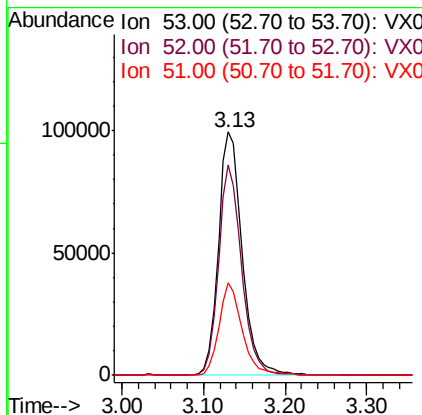
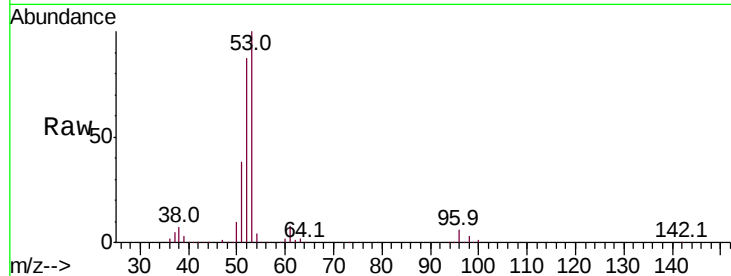
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	202031
Ion Ratio	Lower	Upper	
53	100		
52	83.6	66.4	99.6
51	37.1	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 211.117 ug/l

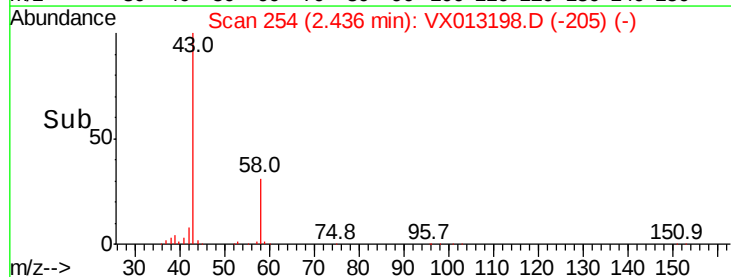
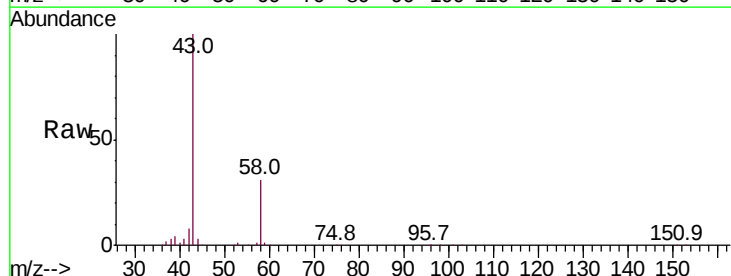
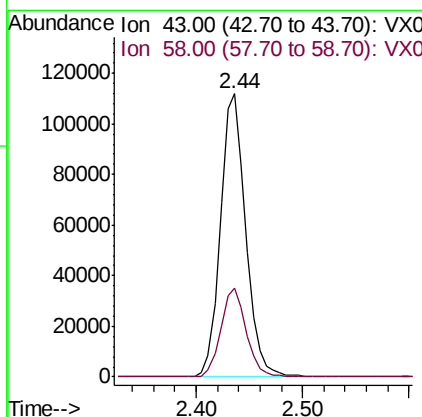
RT: 2.44 min Scan# 254

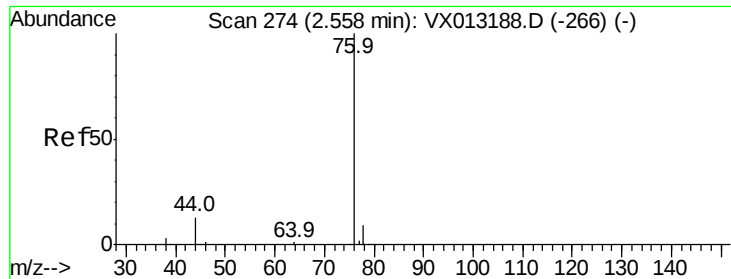
Delta R.T. -0.00 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

Tgt Ion:	43	Resp:	184101
Ion Ratio	Lower	Upper	
43	100		
58	31.2	23.8	35.6





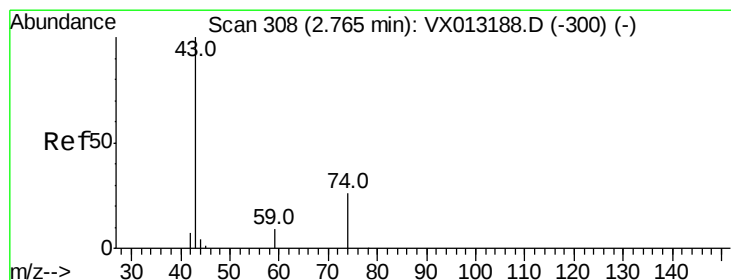
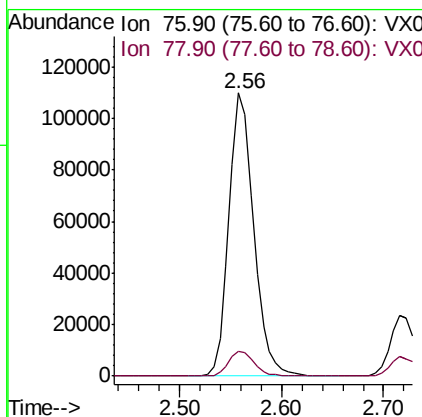
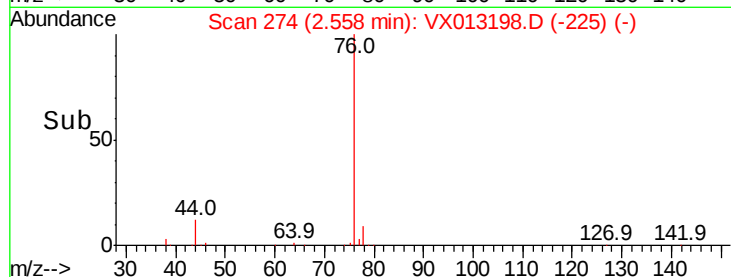
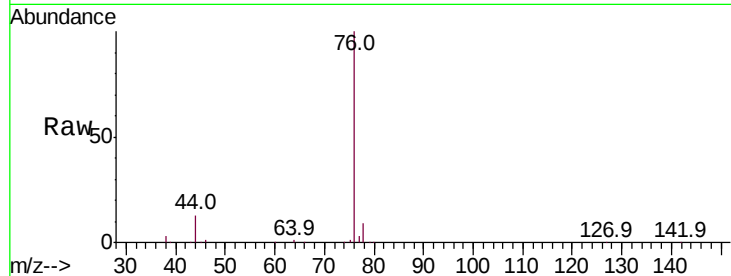
#17
Carbon Disulfide
Concen: 45.634 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.00 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2

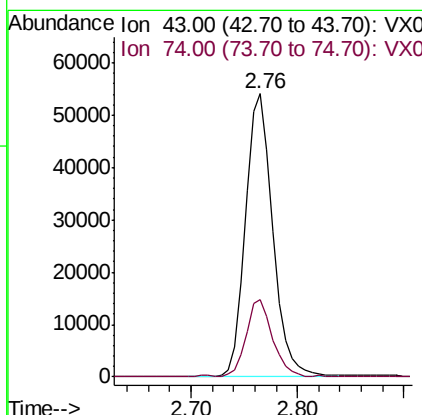
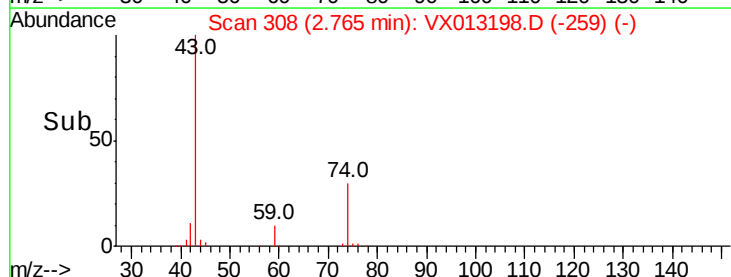
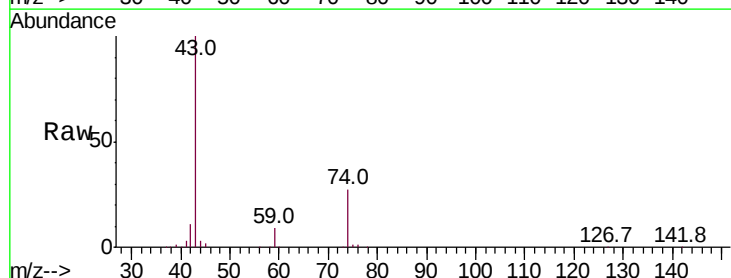
Manual Integrations
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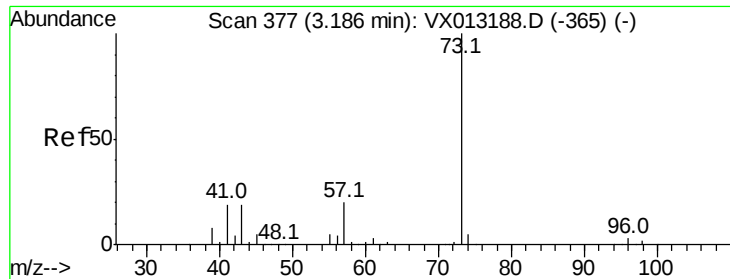
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#18
Methyl Acetate
Concen: 51.090 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.5	20.9	31.3





#19

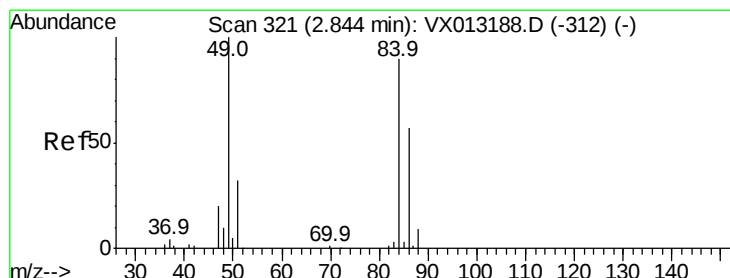
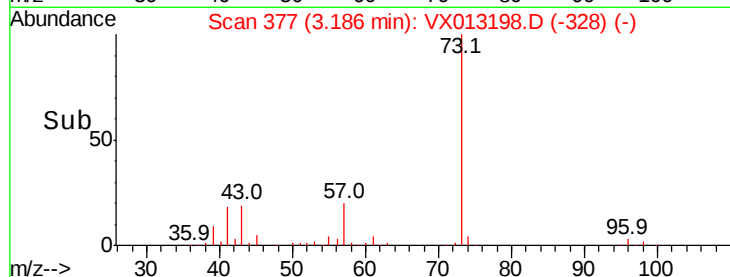
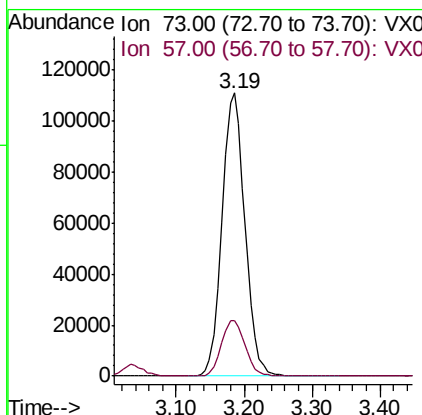
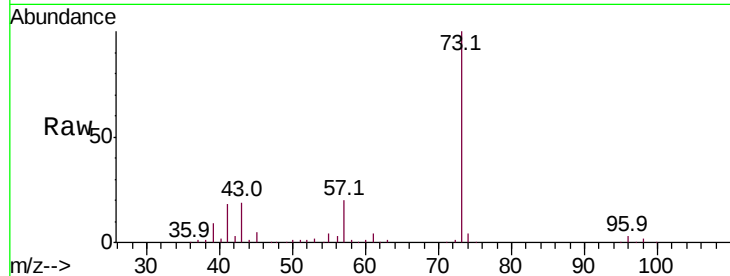
Methyl tert-butyl Ether
 Concen: 48.581 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. -0.00 min
 Lab File: VX013198.D
 Acq: 23 Oct 2019 19:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.7	15.8	23.8

Manual Integrations
 APPROVED

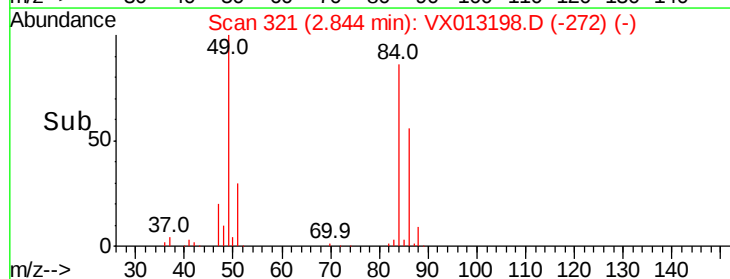
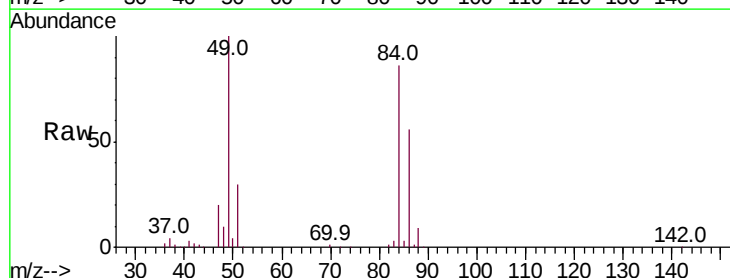
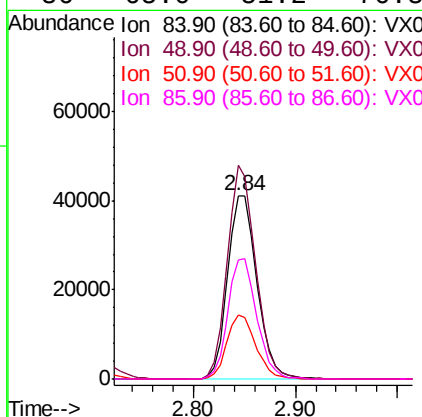
MMDadoda
 10/25/2019 4:33:25 PM

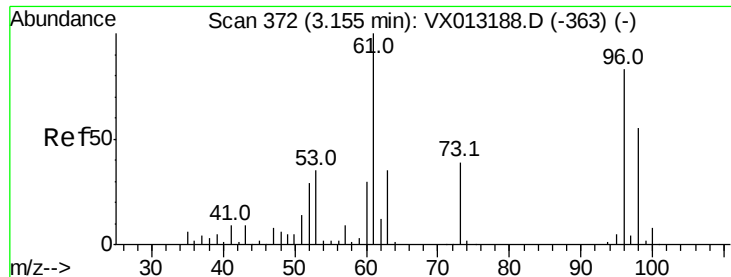


#20

Methylene Chloride
 Concen: 50.079 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VX013198.D
 Acq: 23 Oct 2019 19:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.3	89.2	133.8
51	35.1	28.8	43.2
86	65.0	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 49.024 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 76883

Ion Ratio Lower Upper

96 100

61 137.2 96.9 145.3

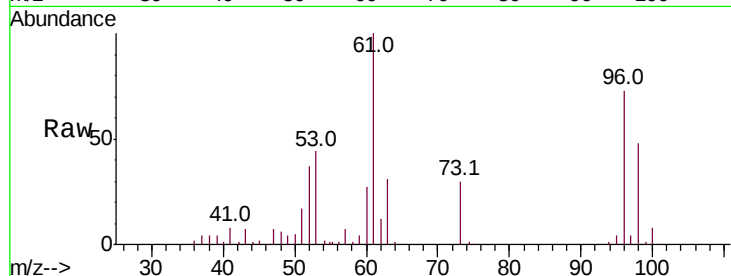
98 65.3 53.0 79.4

Manual Integrations

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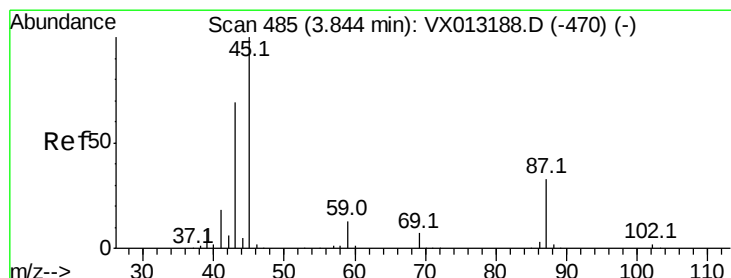
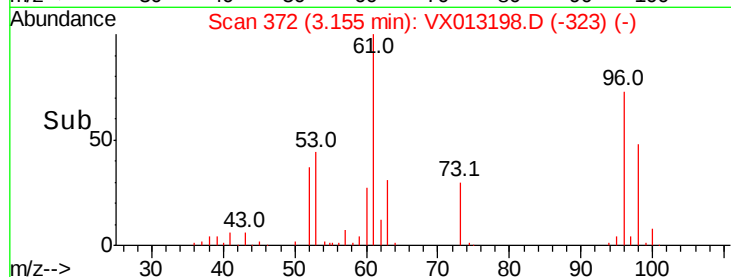
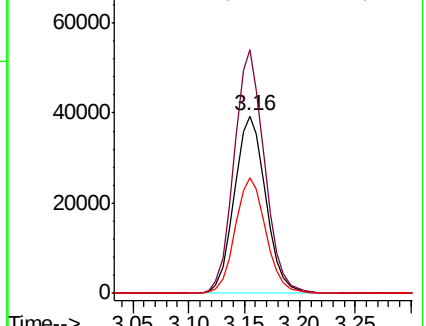
10/25/2019 4:33:25 PM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 48.568 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

Tgt Ion: 45 Resp: 225387

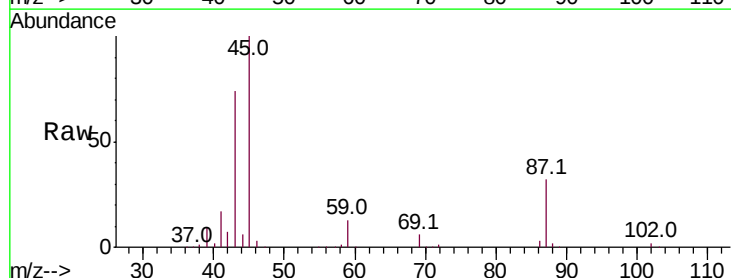
Ion Ratio Lower Upper

45 100

43 73.2 55.5 83.3

87 31.9 26.7 40.1

59 12.6 10.2 15.2

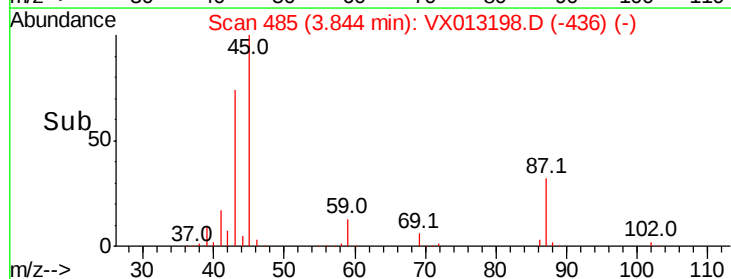
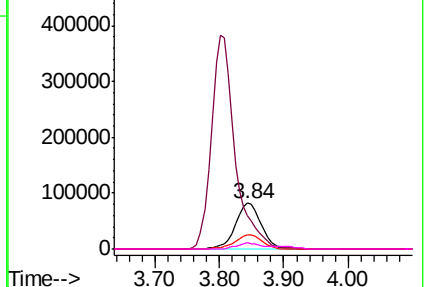


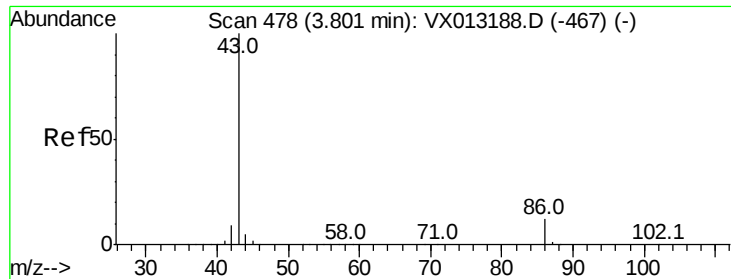
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 250.867 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 989510

Ion Ratio Lower Upper

43 100

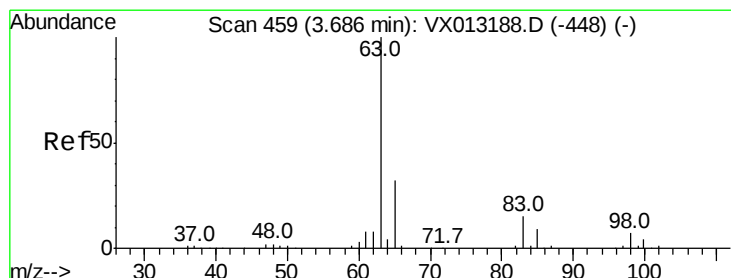
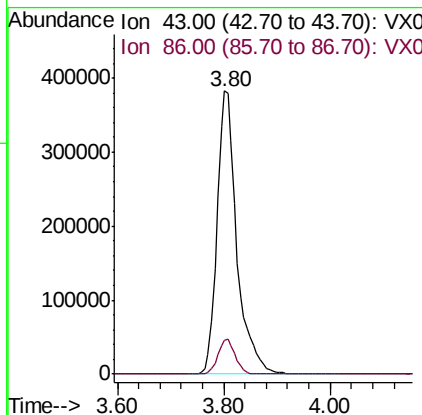
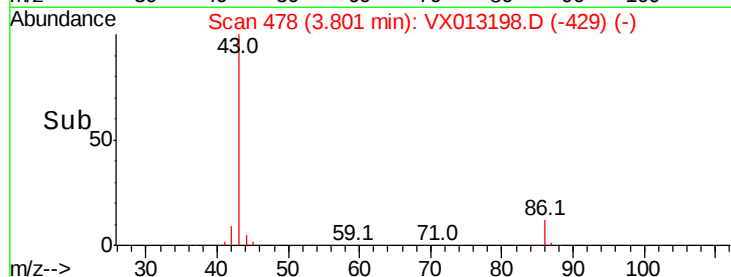
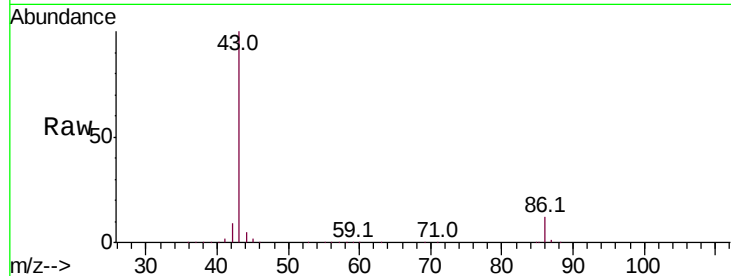
86 11.9 9.7 14.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 48.015 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

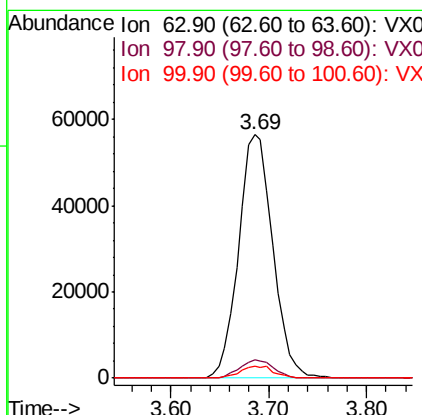
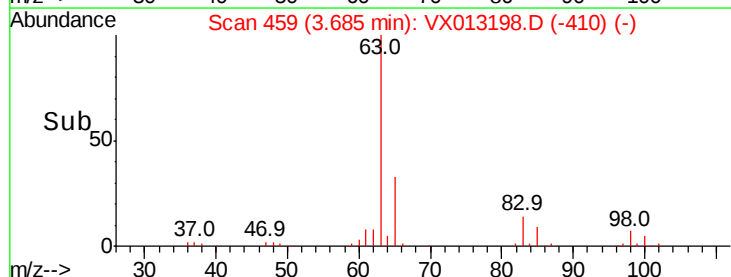
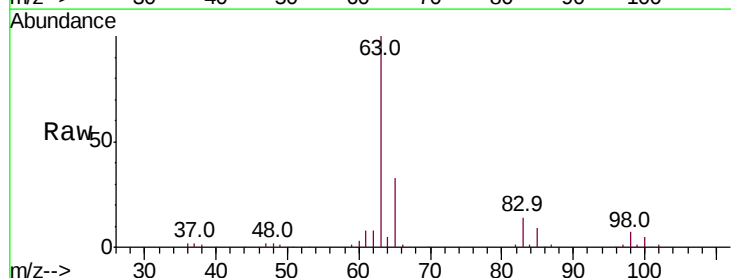
Tgt Ion: 63 Resp: 137056

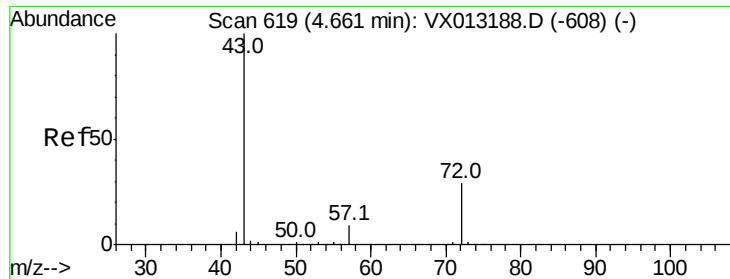
Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.2

100 4.8 2.2 6.6





#25

2-Butanone

Concen: 233.649 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 273249

Ion Ratio Lower Upper

43 100

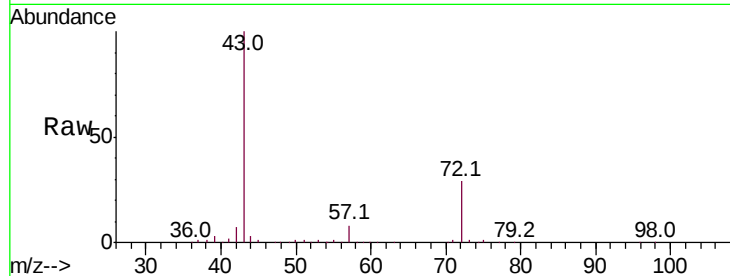
72 28.4 23.4 35.2

Manual Integrations

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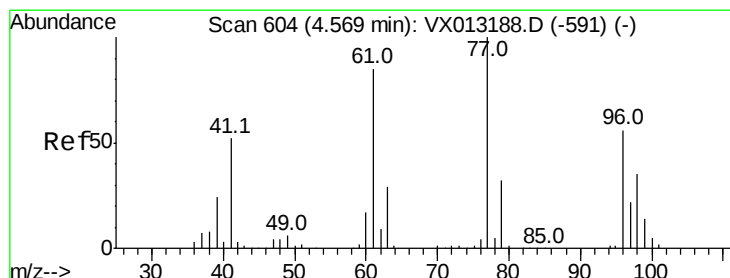
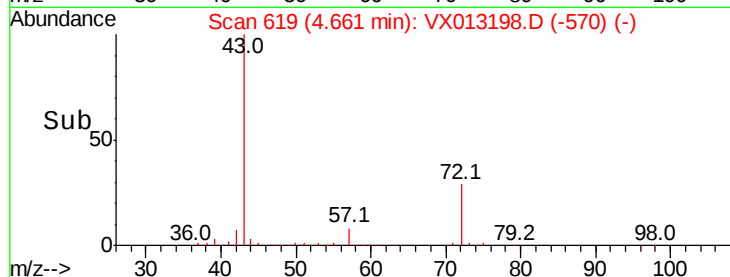
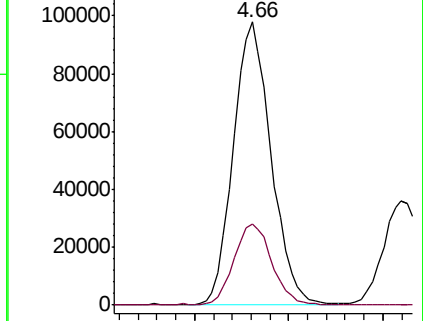
MMDadoda

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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: 44.151 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX013198.D

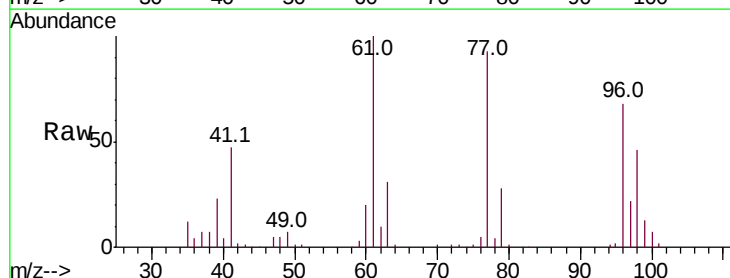
Acq: 23 Oct 2019 19:41

Tgt Ion: 77 Resp: 116471

Ion Ratio Lower Upper

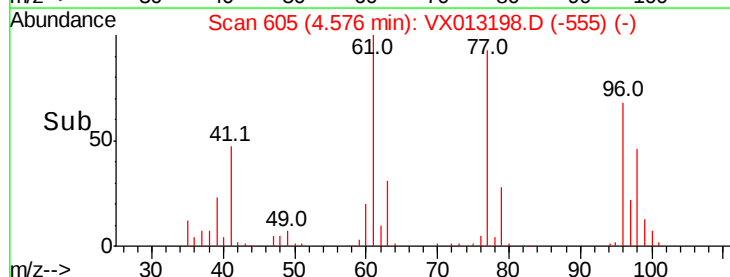
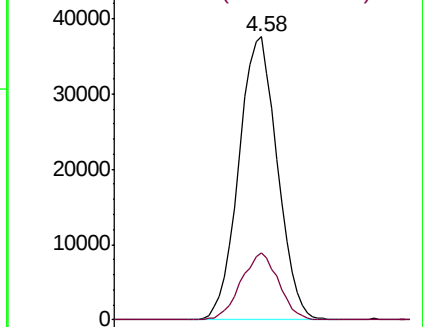
77 100

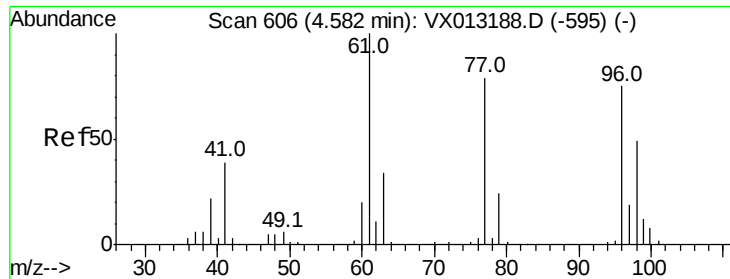
97 23.1 10.9 32.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

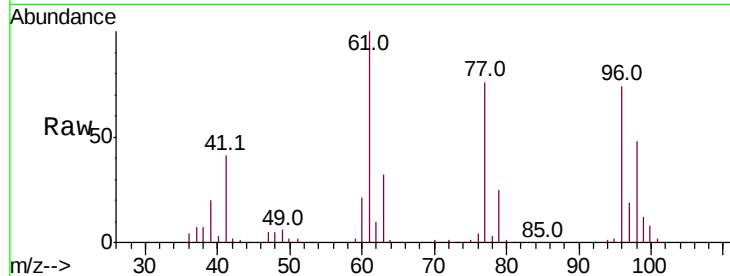
cis-1,2-Dichloroethene
Concen: 47.737 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.4	0.0	290.4
98	65.3	0.0	130.4

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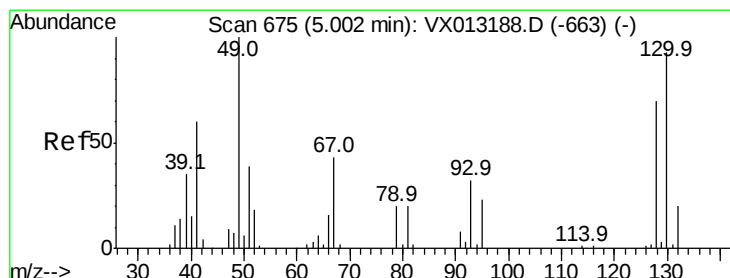
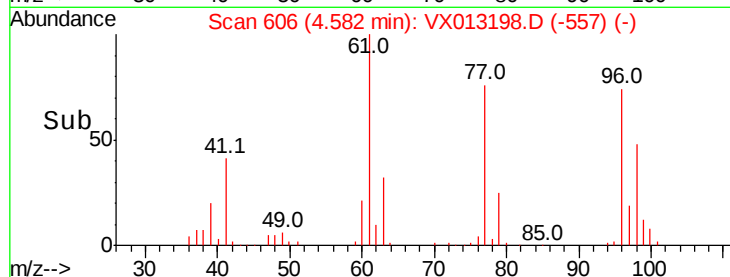
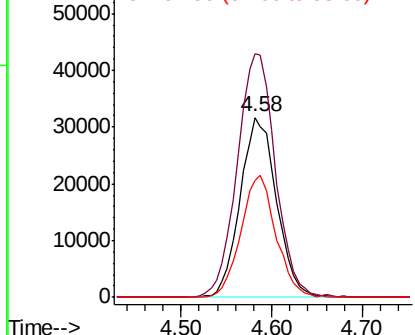


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

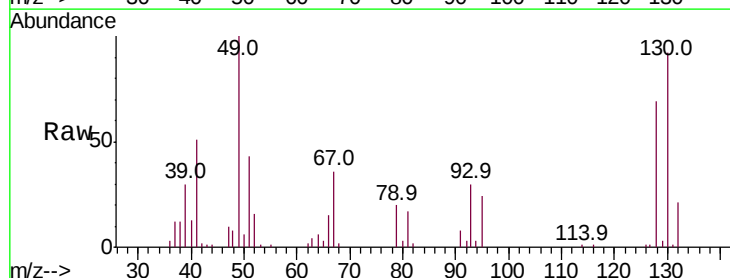
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 53.493 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.8
130	90.0	71.8	107.8

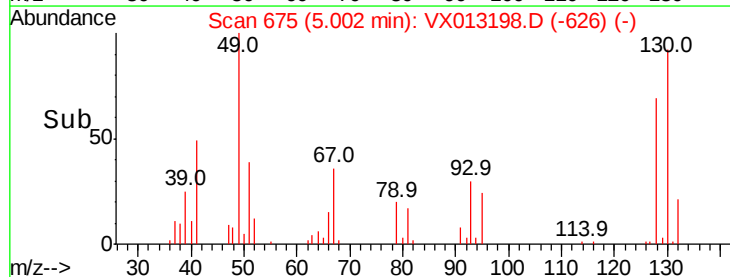
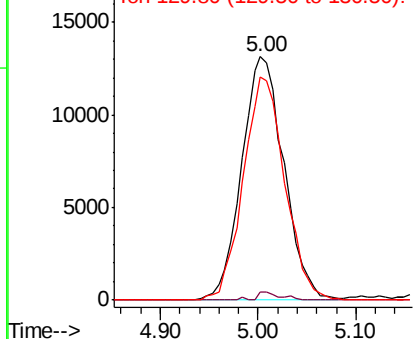


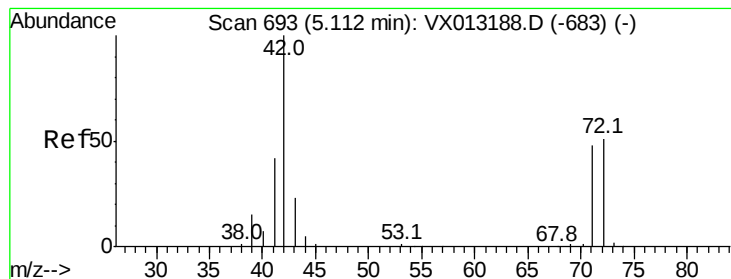
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 240.000 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

Instrument :

MSVOA_X

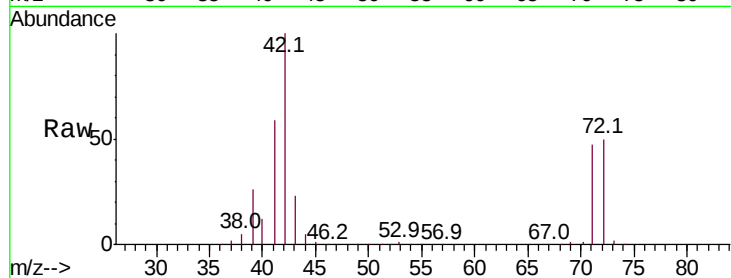
ClientSampleId :

VSTDCCC050EC

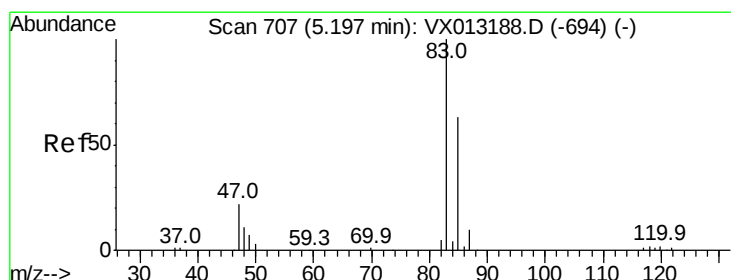
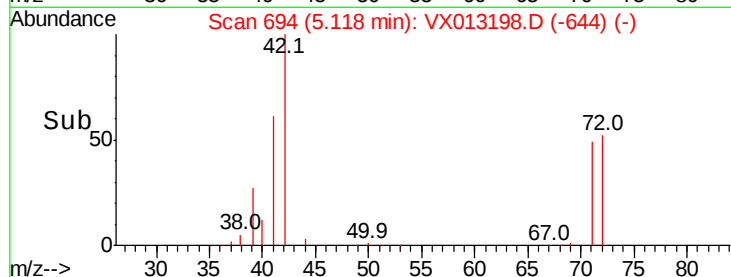
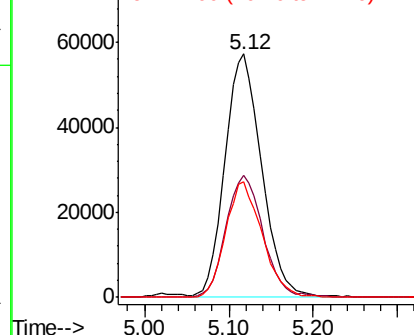
Tot Ion:	42	Resp:	169182
Ion Ratio	Lower	Upper	
42	100		
72	51.3	40.9	61.3
71	47.5	38.6	57.8

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Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 48.046 ug/l

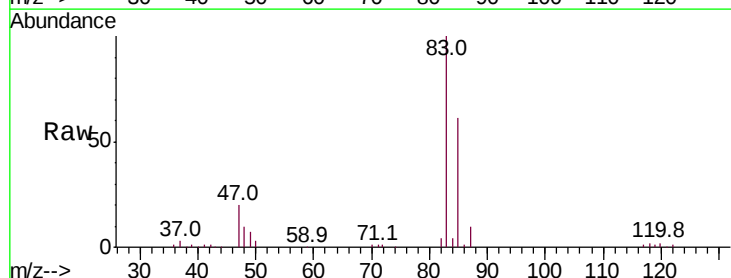
RT: 5.20 min Scan# 708

Delta R.T. 0.01 min

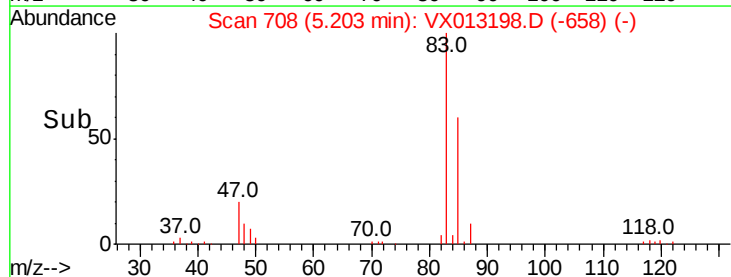
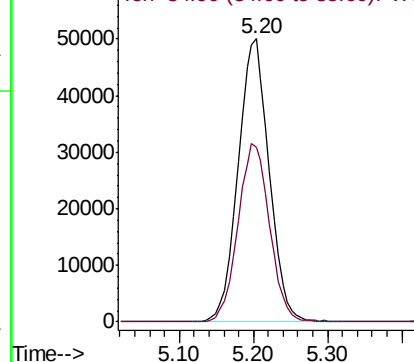
Lab File: VX013198.D

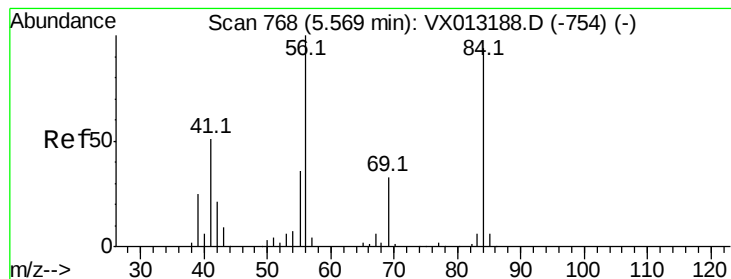
Acq: 23 Oct 2019 19:41

Tgt Ion:	83	Resp:	146016
Ion Ratio	Lower	Upper	
83	100		
85	61.5	50.1	75.1



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 47.500 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 113705

Ion Ratio Lower Upper

56 100

69 34.4 26.3 39.5

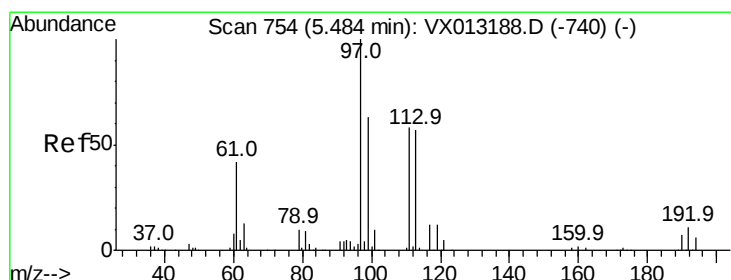
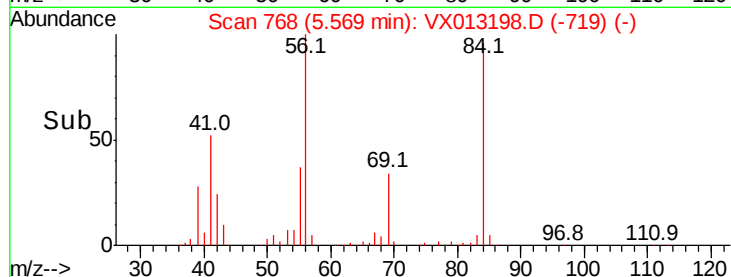
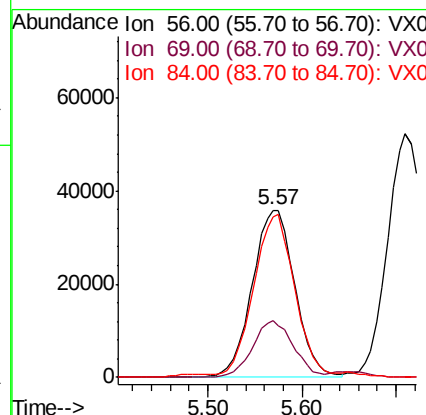
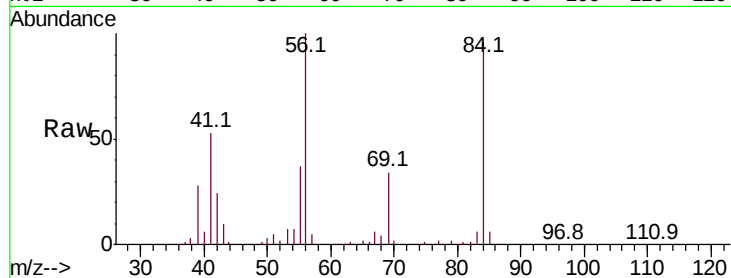
84 94.3 73.8 110.6

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 48.570 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

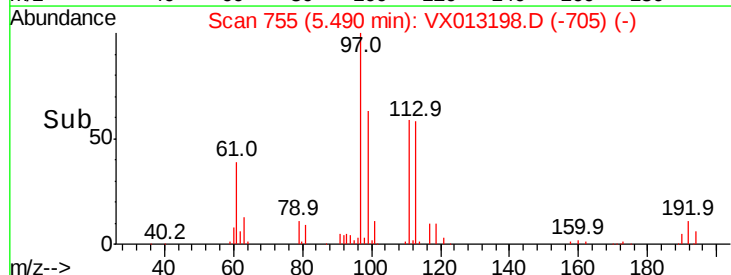
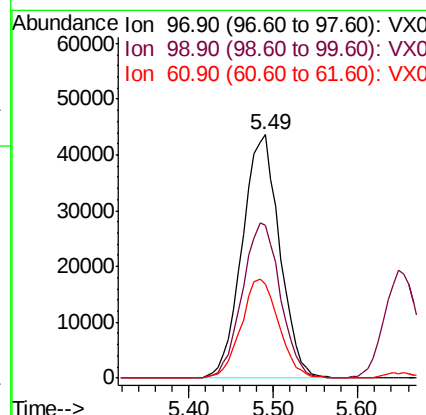
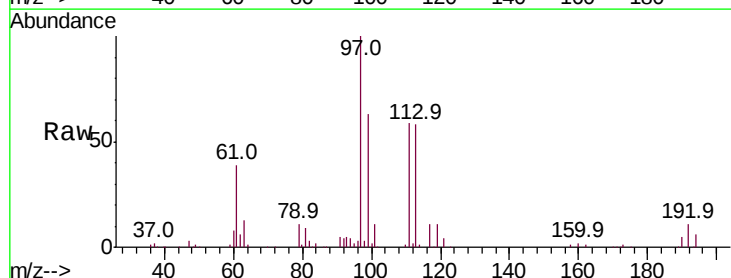
Tgt Ion: 97 Resp: 131244

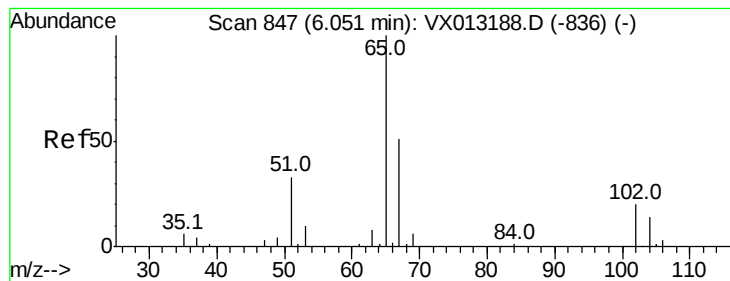
Ion Ratio Lower Upper

97 100

99 64.8 50.8 76.2

61 40.9 32.8 49.2





#33

1,2-Dichloroethane-d4

Concen: 49.578 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

Tot Ion: 65 Resp: 91768

Ion Ratio Lower Upper

65 100

67 50.9 0.0 102.6

Instrument :

MSVOA_X

ClientSampleId :

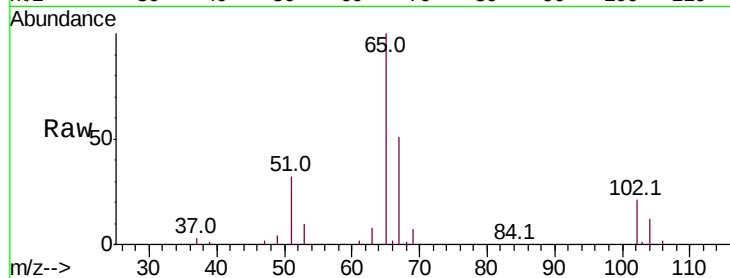
VSTDCCC050EC

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

40000

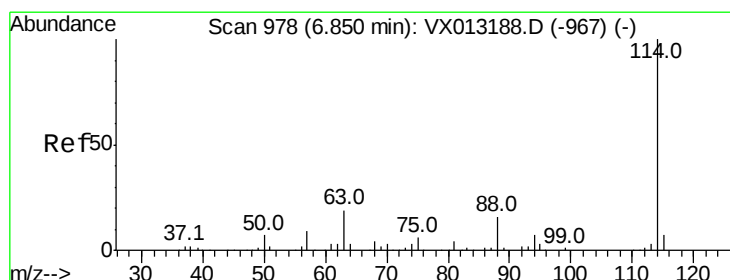
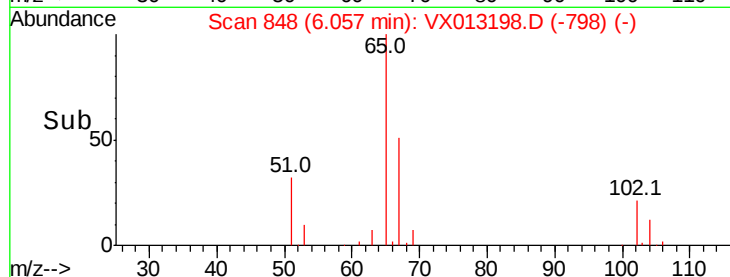
30000

20000

10000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

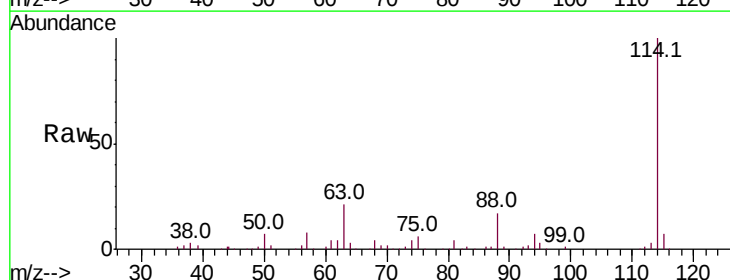
Tgt Ion:114 Resp: 127372

Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.0

88 17.4 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.85

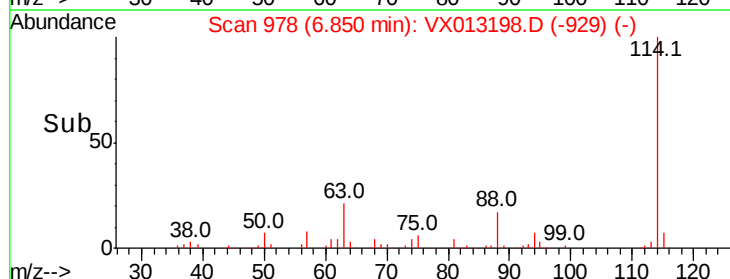
60000

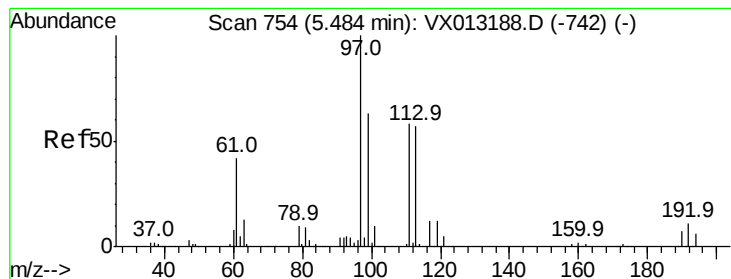
40000

20000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.446 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

Instrument :

MSVOA_X

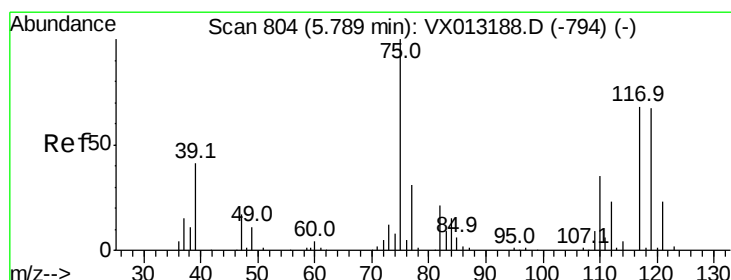
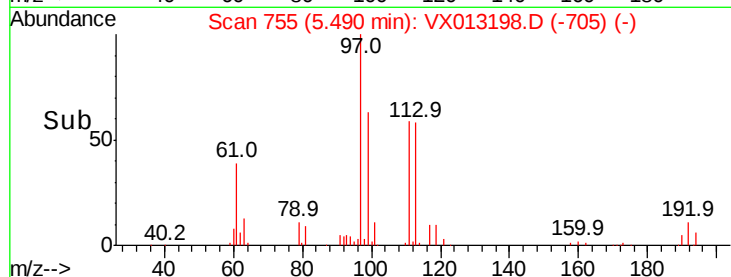
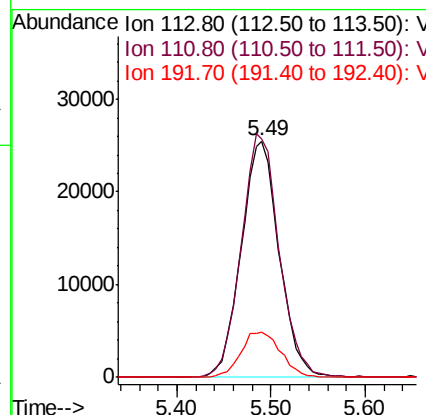
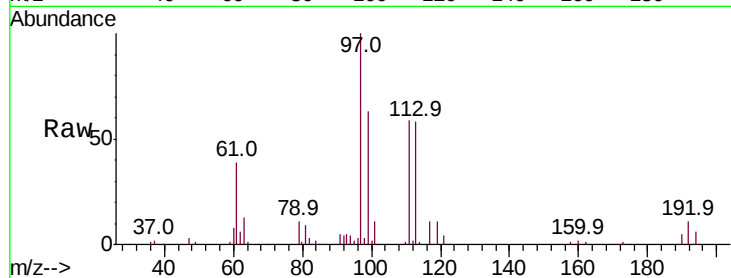
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	71653
Ion Ratio	Lower	Upper	
113	100		
111	103.4	80.3	120.5
192	20.3	15.9	23.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.994 ug/l

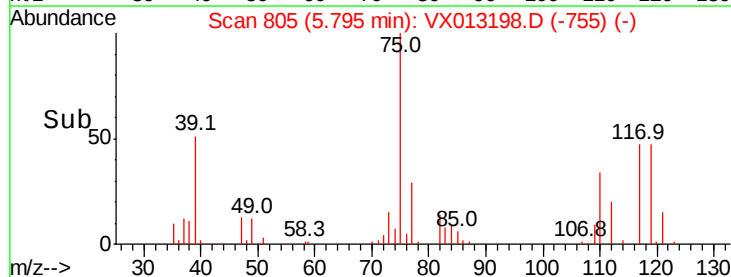
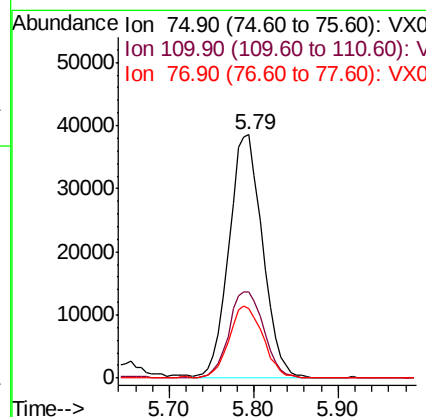
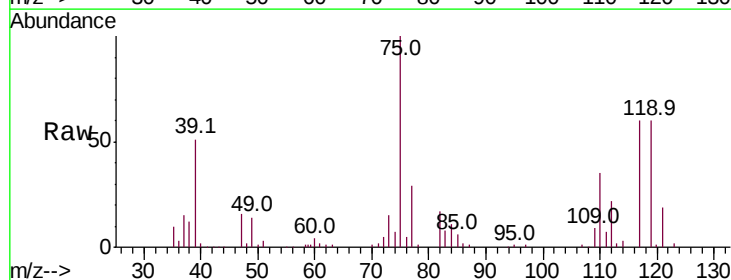
RT: 5.79 min Scan# 805

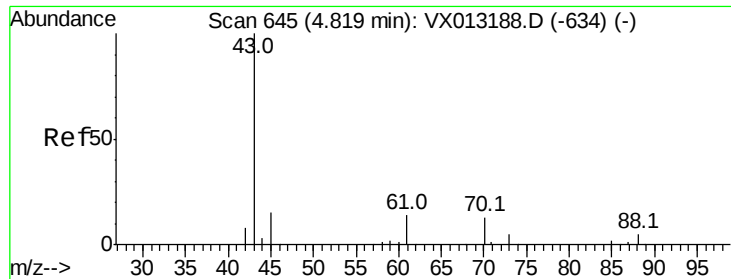
Delta R.T. 0.01 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

Tgt Ion:	75	Resp:	104464
Ion Ratio	Lower	Upper	
75	100		
110	36.8	17.6	52.9
77	30.0	24.7	37.1





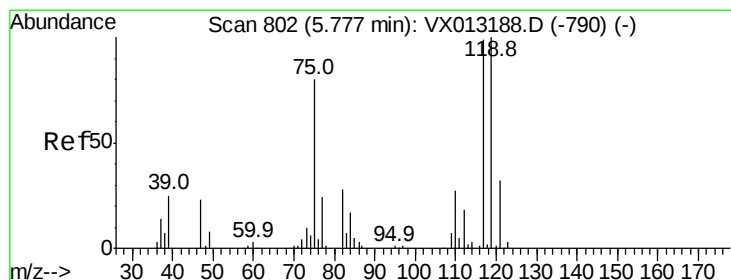
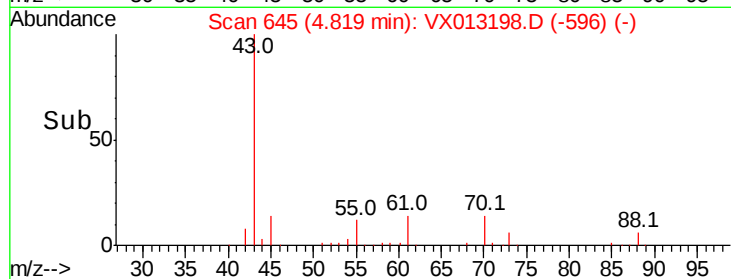
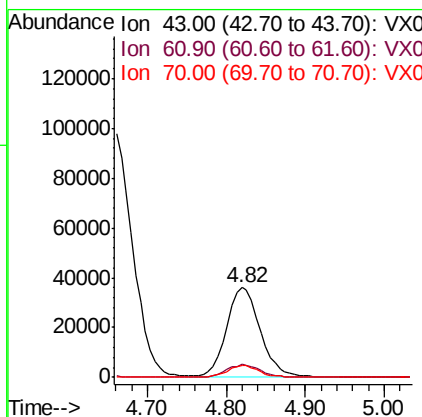
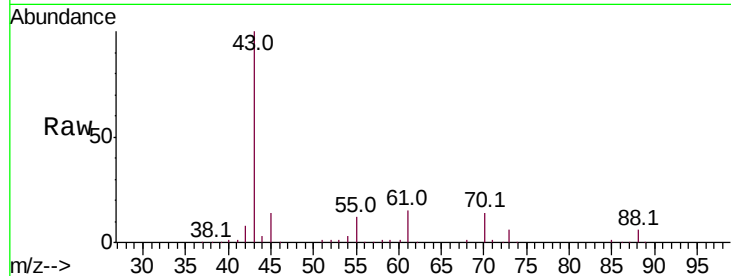
#37
Ethyl Acetate
Concen: 50.196 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	12.1	18.1
70	12.7	10.4	15.6

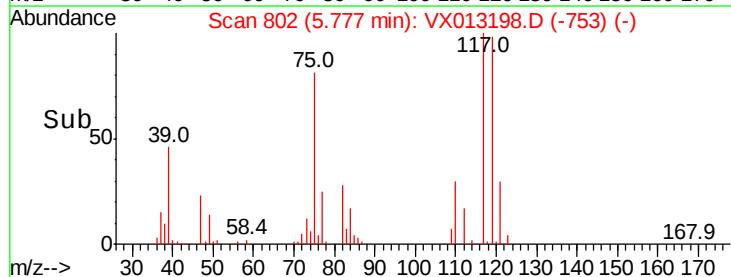
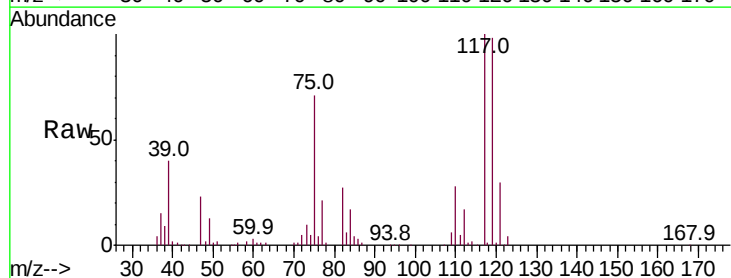
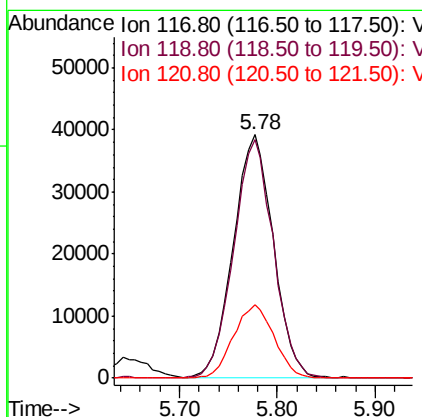
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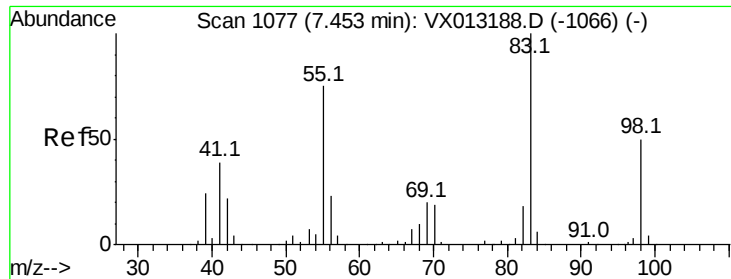
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#38
Carbon Tetrachloride
Concen: 47.085 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	80.1	120.1
121	30.0	25.5	38.3





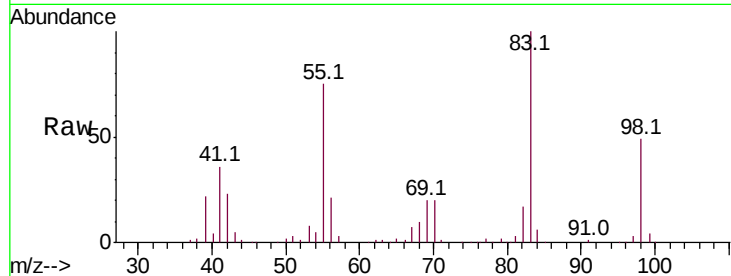
#39
Methvlcvclohexane
Concen: 45.445 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.8	60.1	90.1
98	49.0	39.8	59.8

Manual Integrations
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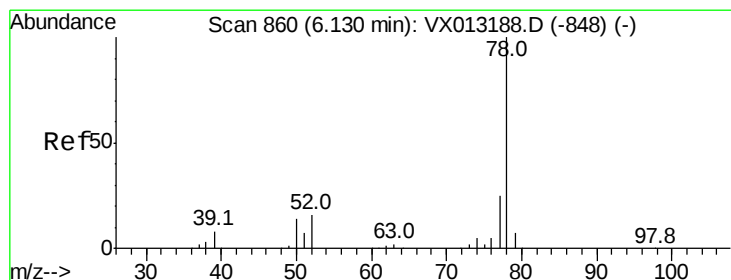
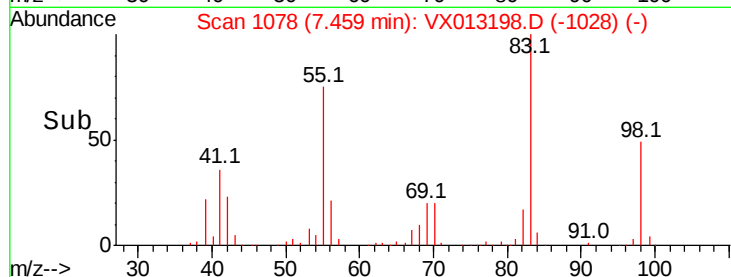
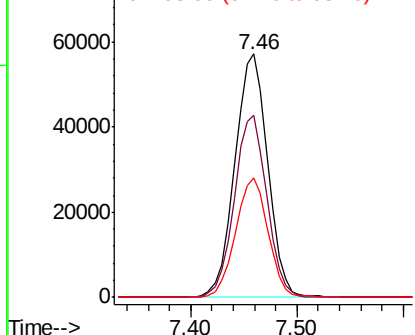


Abundance

Ion 83.00 (82.70 to 83.70): VX0

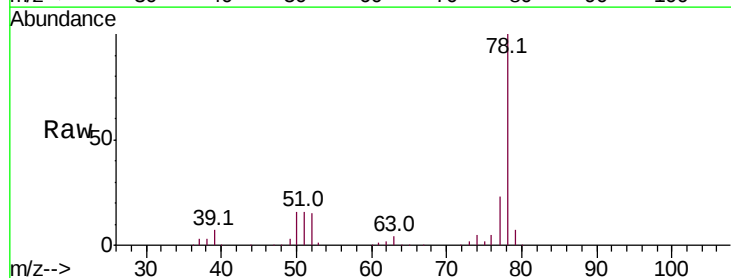
Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#40
Benzene
Concen: 48.313 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

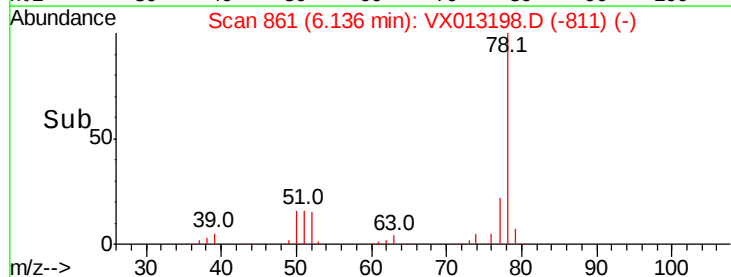
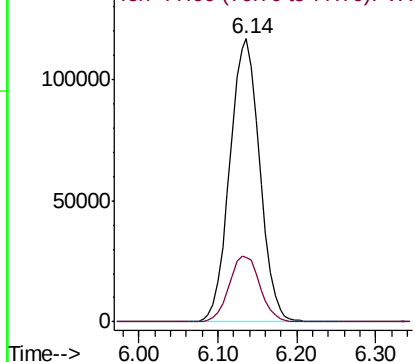
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.6	29.4

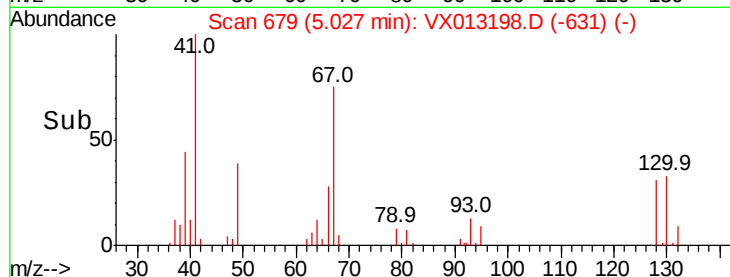
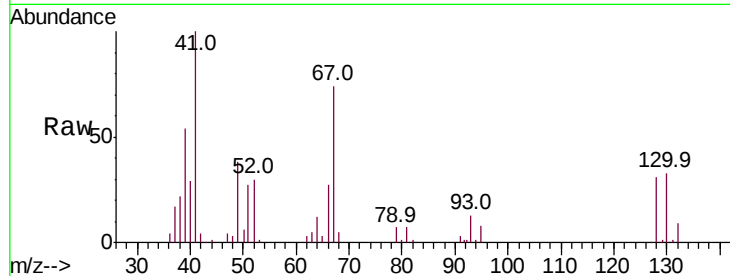
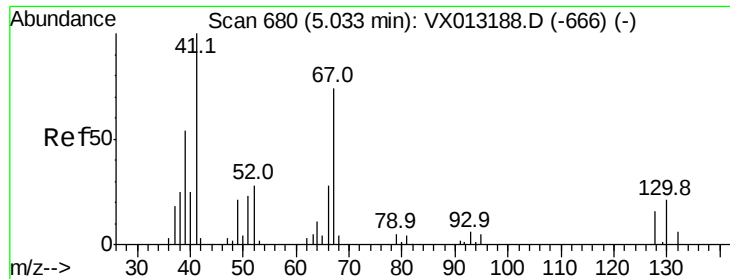


Abundance

Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





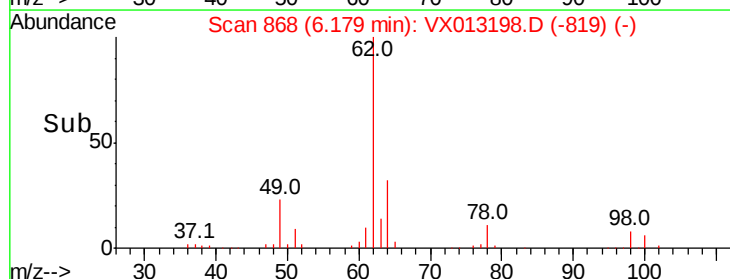
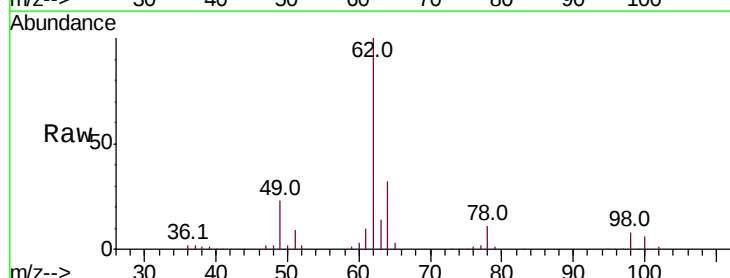
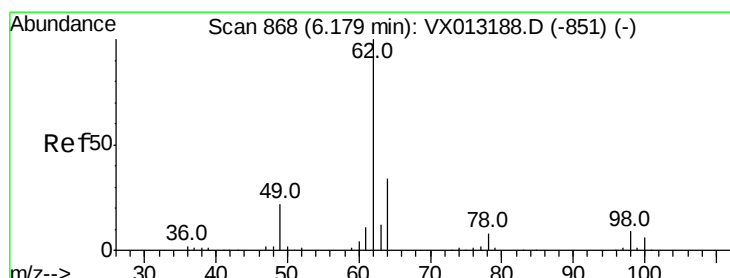
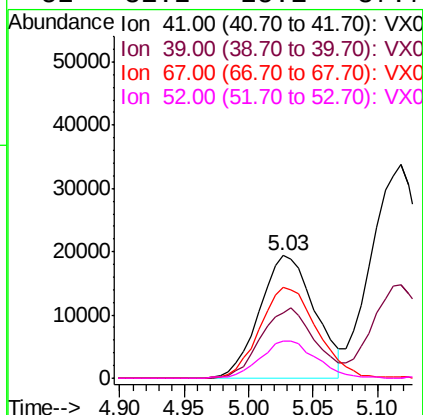
#41
Methacrylonitrile
Concen: 50.621 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.01 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.4	45.2	67.8	
67	77.4	61.3	91.9	
52	31.2	25.1	37.7	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

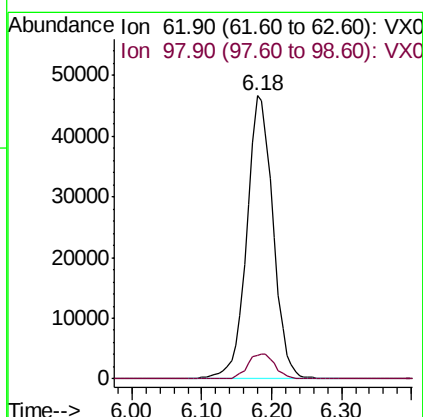
Manual Integrations
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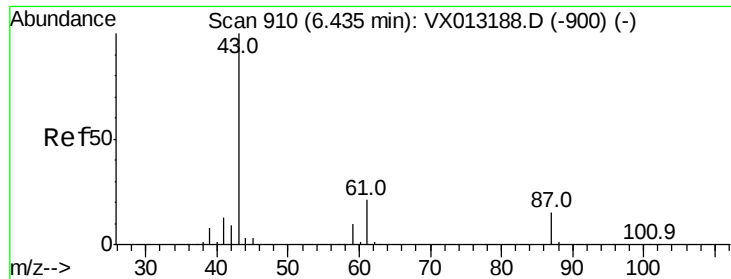
MMDadoda
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#42
1,2-Dichloroethane
Concen: 50.401 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	18.4	





#43

Isopropyl Acetate

Concen: 50.679 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

Instrument :

MSVOA_X

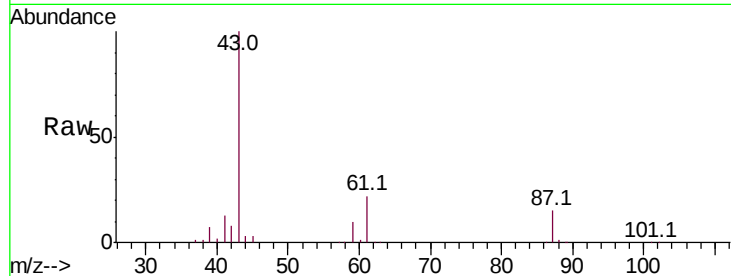
ClientSampleId :

VSTDCCC050EC

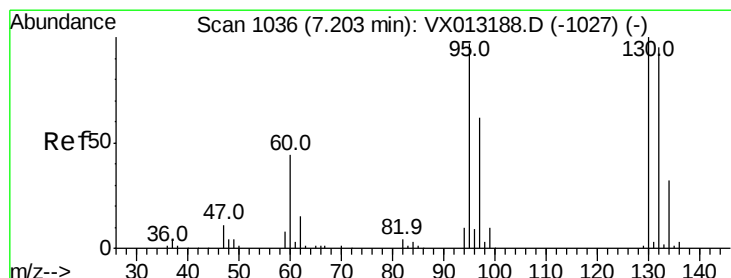
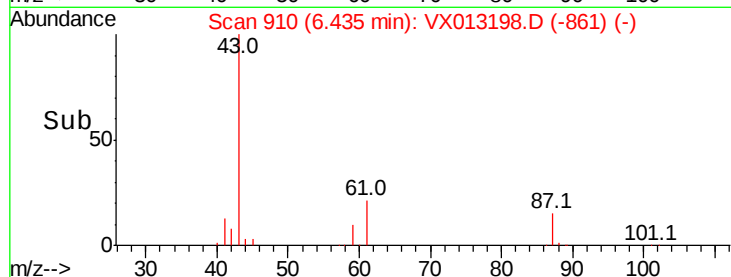
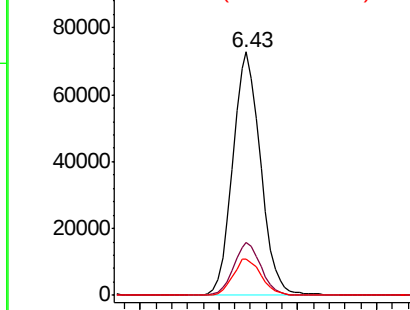
Tot Ion:	43	Resp:	178599
Ion	Ratio	Lower	Upper
43	100		
61	21.3	17.0	25.4
87	15.1	12.1	18.1

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Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 47.201 ug/l

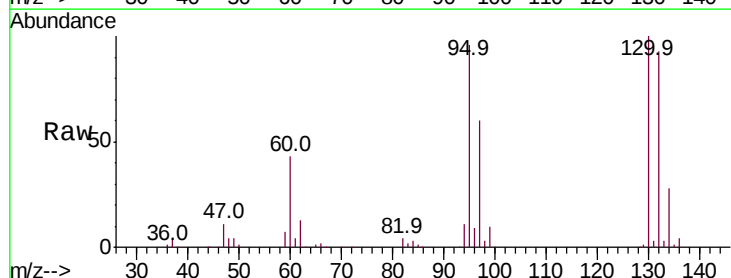
RT: 7.20 min Scan# 1036

Delta R.T. -0.00 min

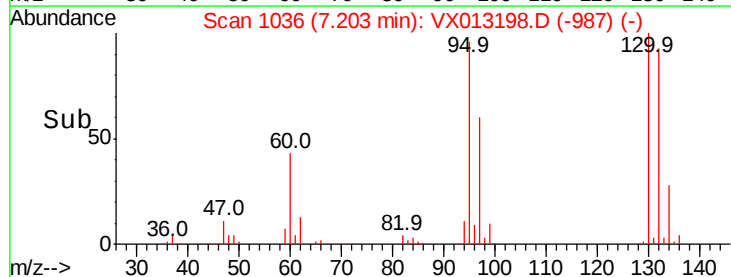
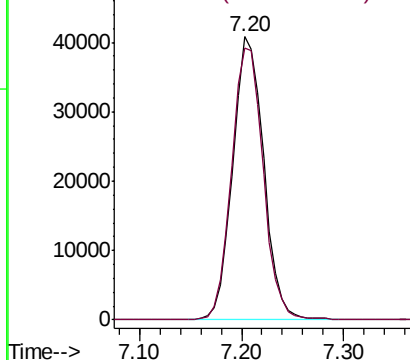
Lab File: VX013198.D

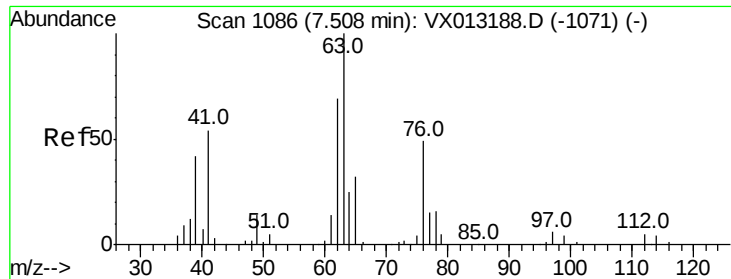
Acq: 23 Oct 2019 19:41

Tgt Ion:	130	Resp:	85706
Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	193.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 48.246 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 77310

Ion Ratio Lower Upper

63 100

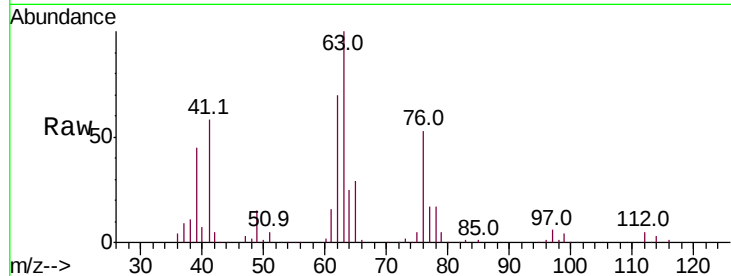
65 28.9 25.3 37.9

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

40000

30000

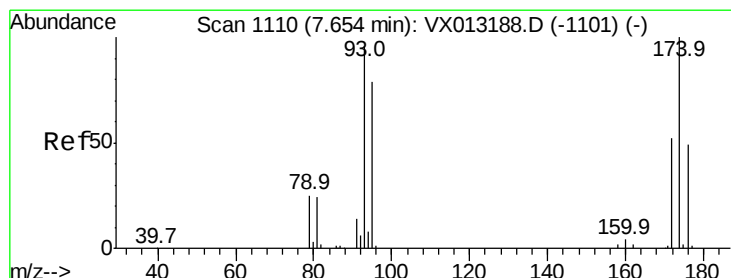
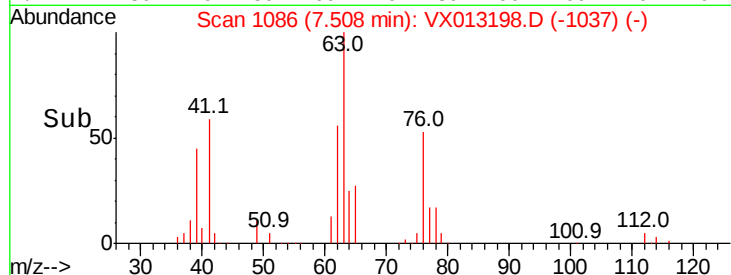
20000

10000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 48.396 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

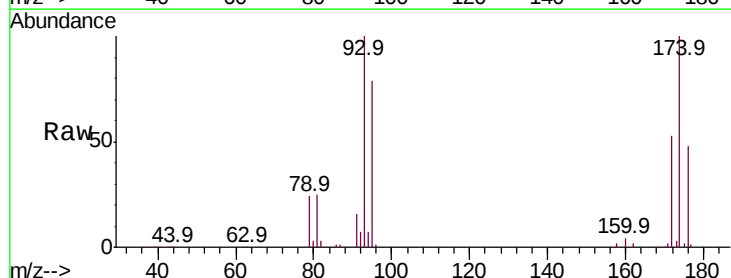
Tgt Ion: 93 Resp: 55872

Ion Ratio Lower Upper

93 100

95 82.4 66.2 99.4

174 105.1 85.2 127.8



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

40000

30000

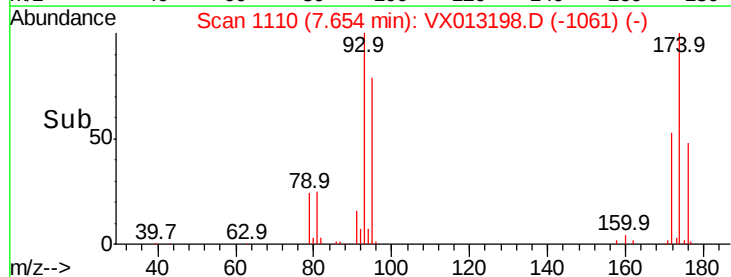
20000

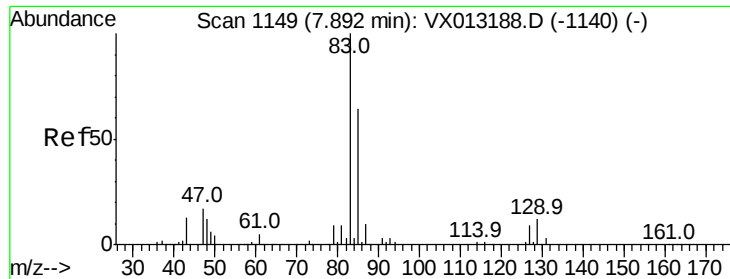
10000

0

7.60 7.70 7.80

Time-->





#47

Bromodichloromethane

Concen: 49.651 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

Instrument :

MSVOA_X

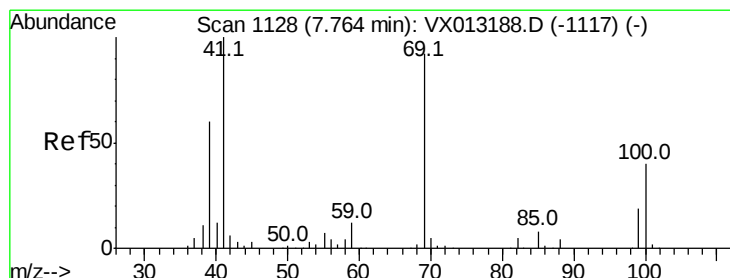
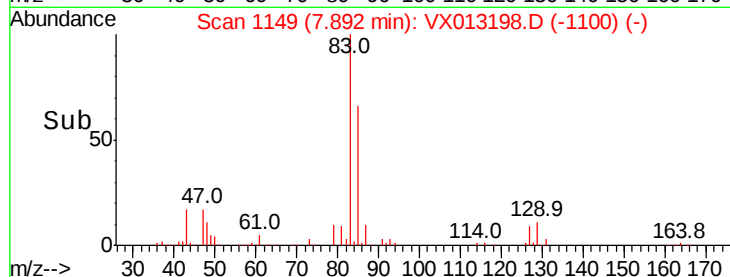
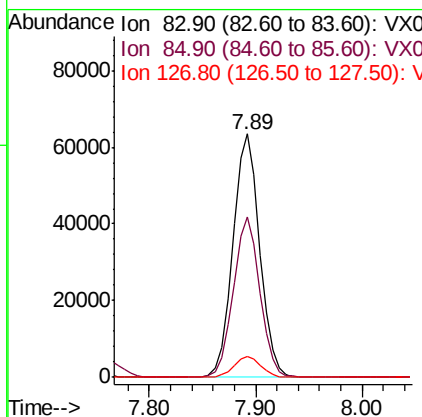
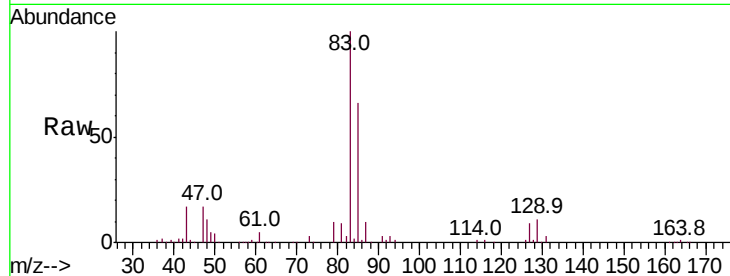
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	111707
Ion Ratio	Lower	Upper	
83	100		
85	65.7	51.0	76.6
127	8.6	7.2	10.8

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#48

Methyl methacrylate

Concen: 49.800 ug/l

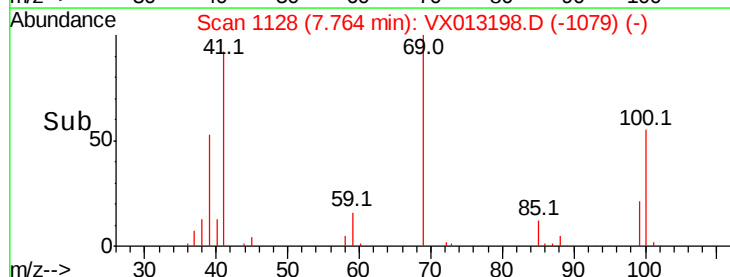
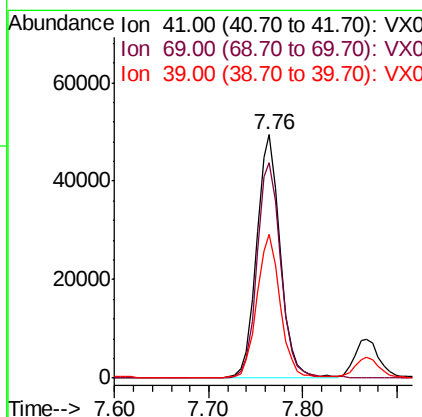
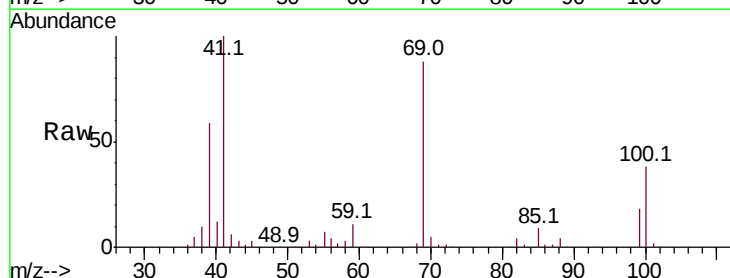
RT: 7.76 min Scan# 1128

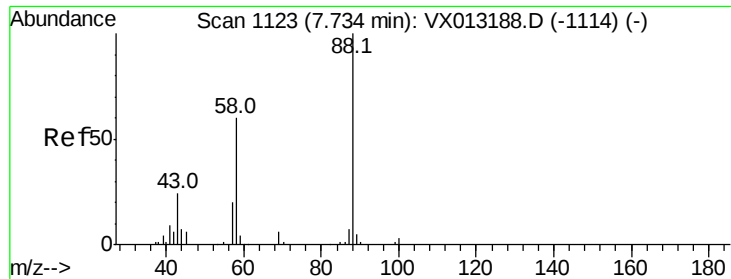
Delta R.T. -0.00 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

Tgt Ion:	41	Resp:	86741
Ion Ratio	Lower	Upper	
41	100		
69	89.3	72.0	108.0
39	58.8	47.4	71.0





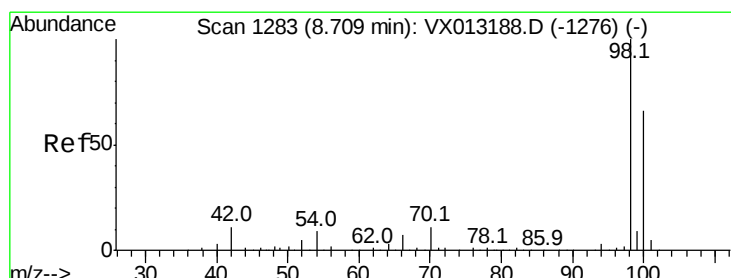
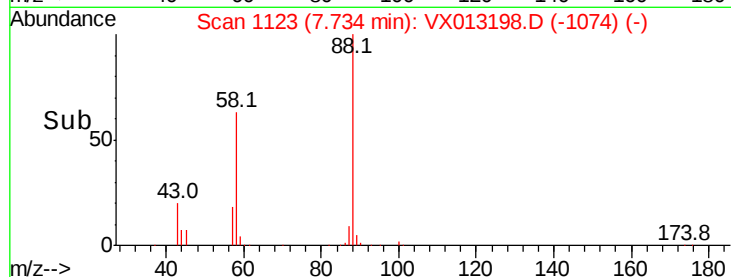
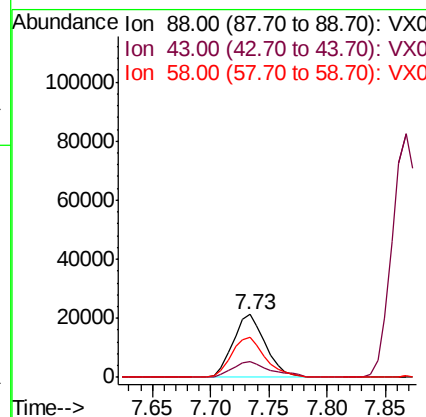
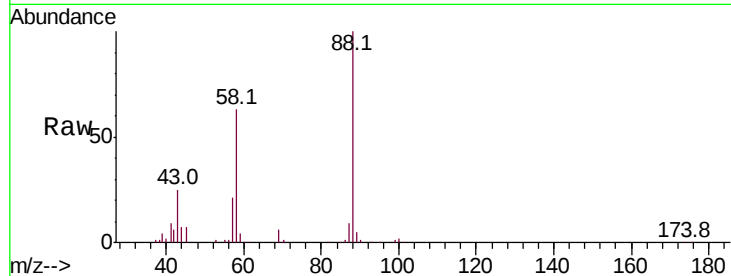
#49
1,4-Dioxane
Concen: 927.885 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.4	24.5	36.7
58	66.6	54.1	81.1

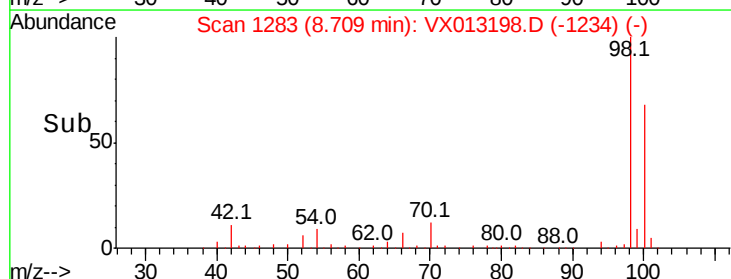
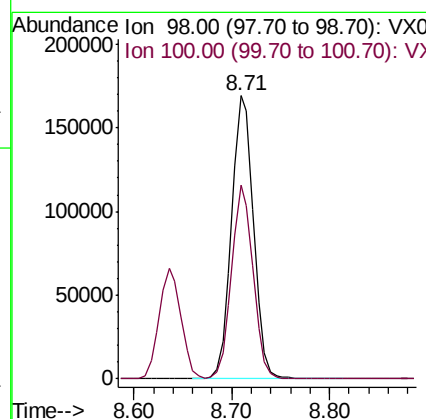
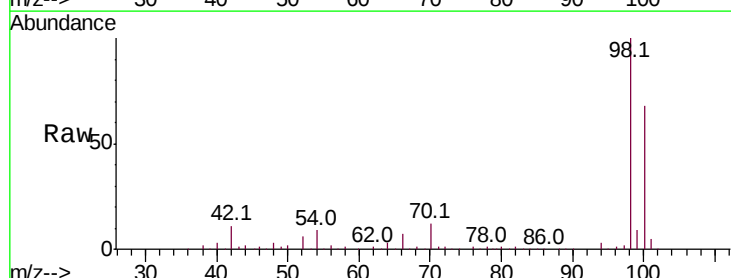
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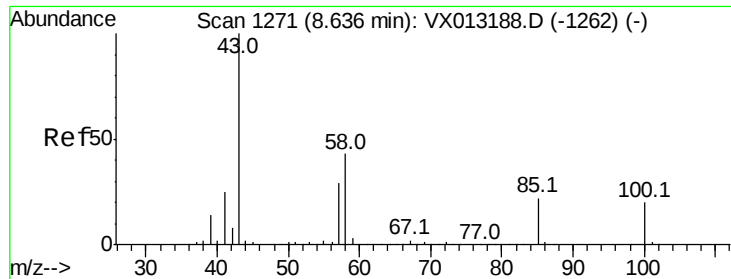
MMDadoda
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#50
Toluene-d8
Concen: 50.168 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 246.586 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 529679

Ion Ratio Lower Upper

43 100

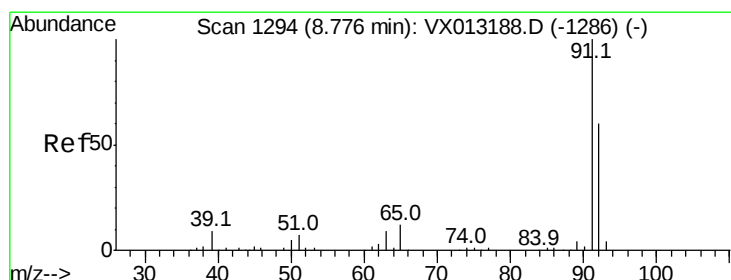
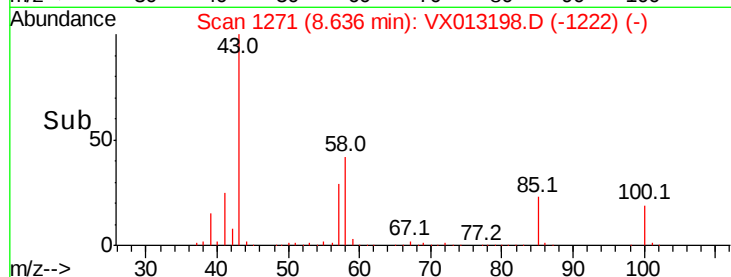
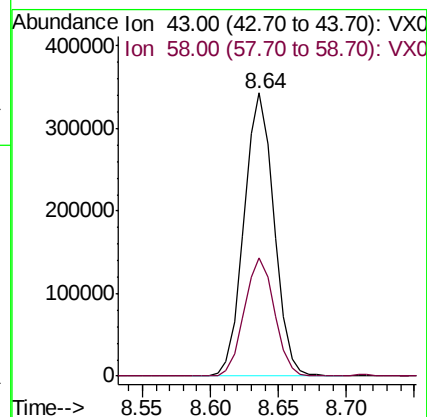
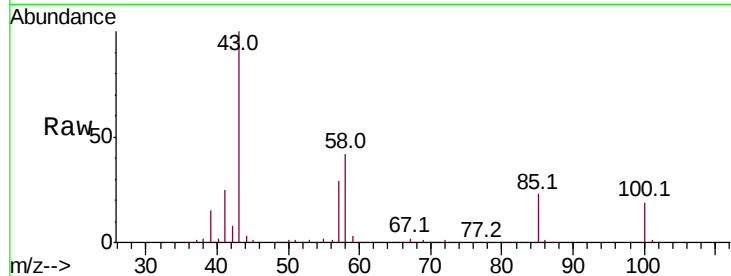
58 42.0 33.9 50.9

Manual Integrations

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#52

Toluene

Concen: 47.001 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX013198.D

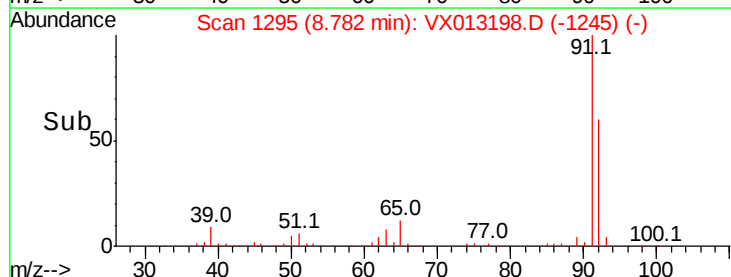
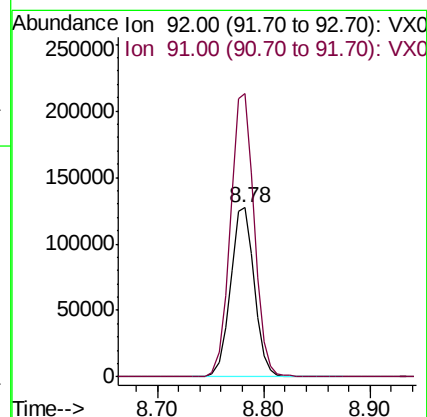
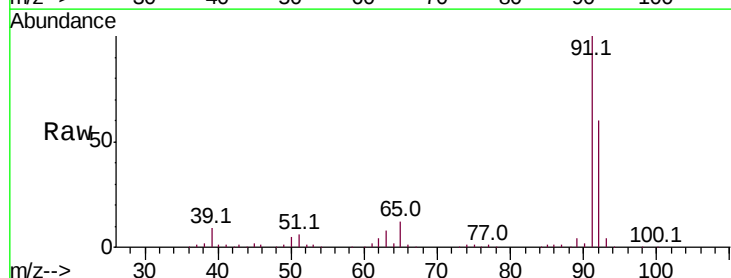
Acq: 23 Oct 2019 19:41

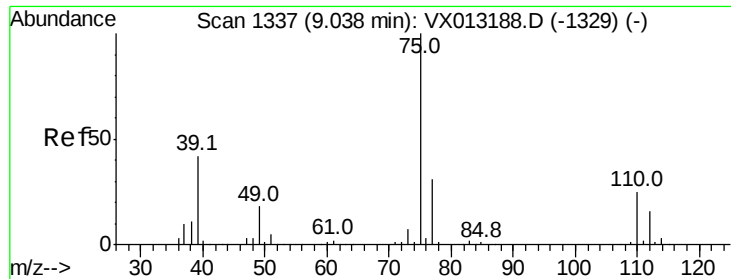
Tgt Ion: 92 Resp: 199281

Ion Ratio Lower Upper

92 100

91 168.3 133.9 200.9





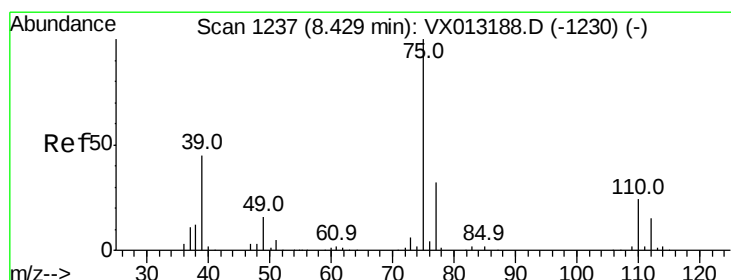
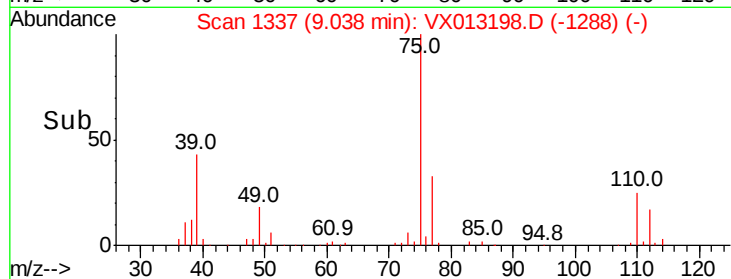
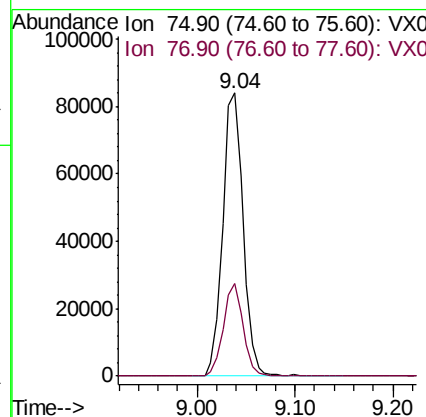
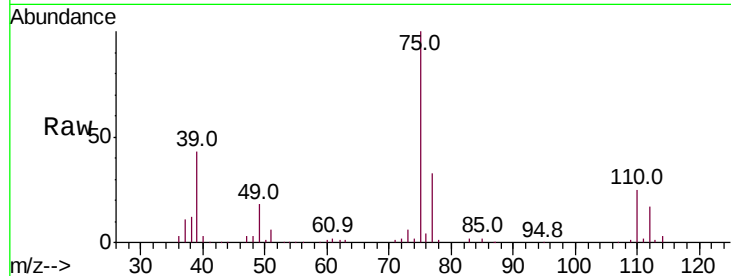
#53
t-1,3-Dichloropropene
Concen: 50.977 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 121878
Ion Ratio Lower Upper
75 100
77 32.9 24.7 37.1

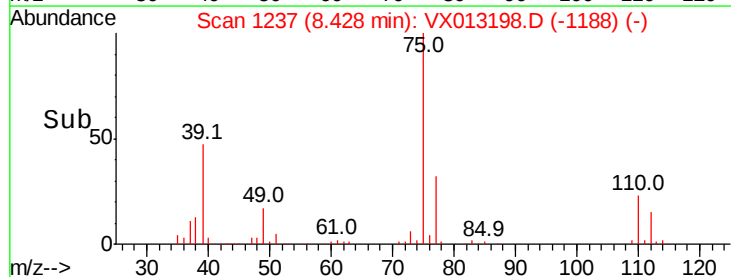
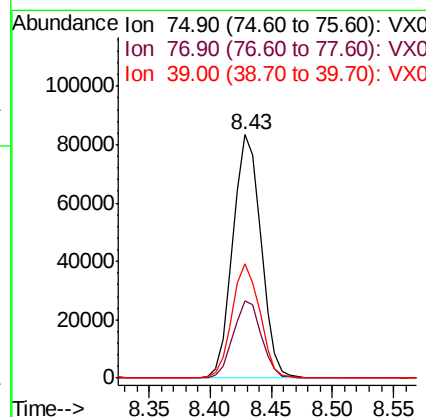
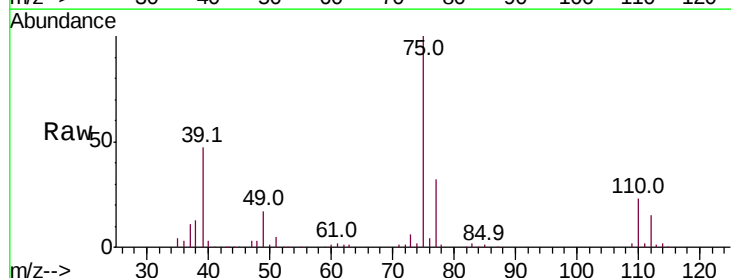
Manual Integrations
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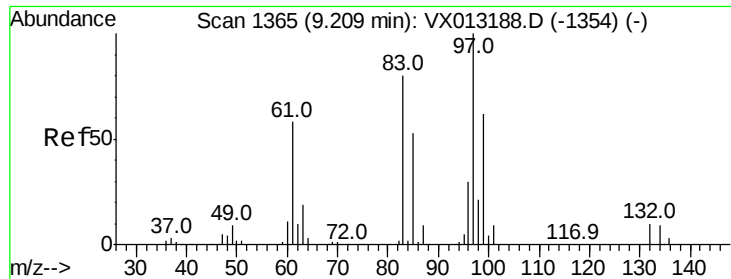
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 50.825 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Tgt Ion: 75 Resp: 132932
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.0
39 46.8 36.2 54.4





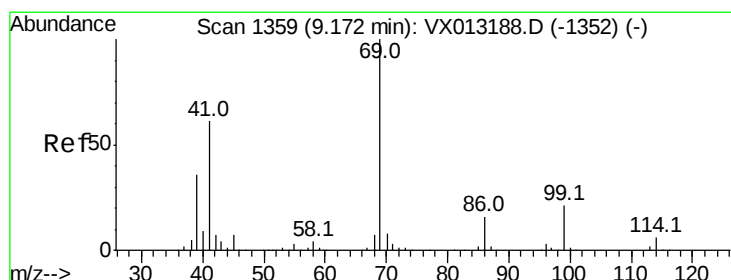
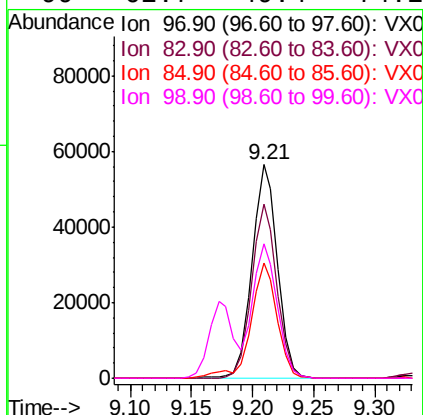
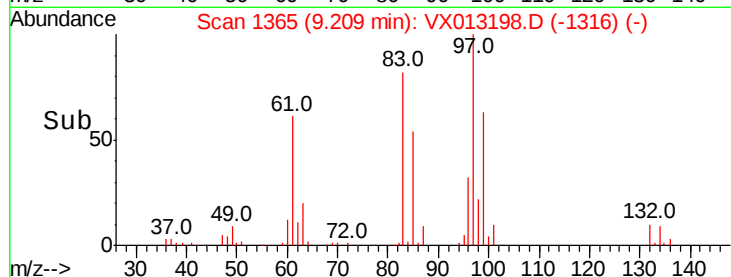
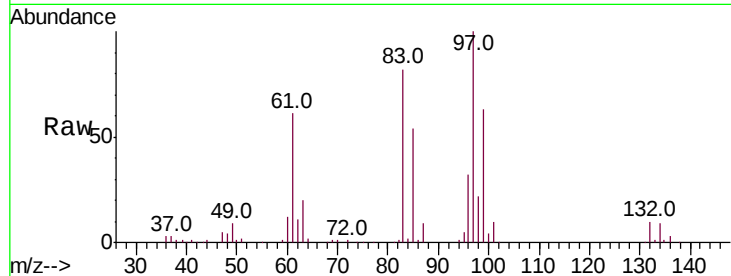
#55
1,1,2-Trichloroethane
Concen: 48.942 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	81.8	64.1	96.1
85	54.1	42.1	63.1
99	62.7	49.4	74.2

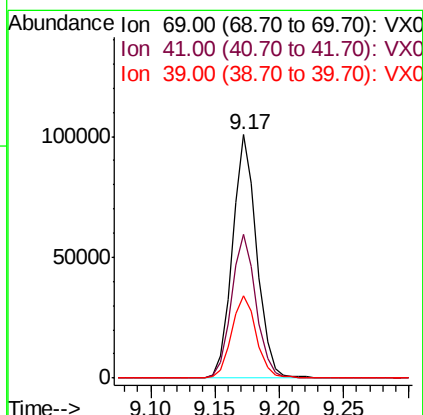
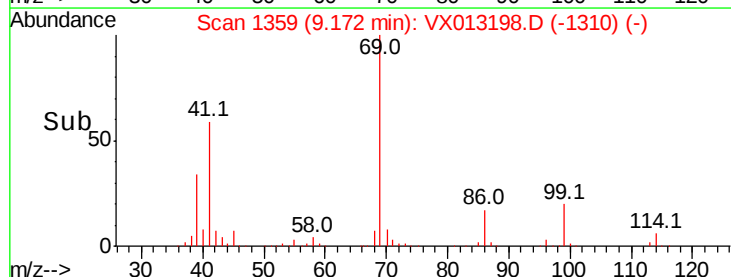
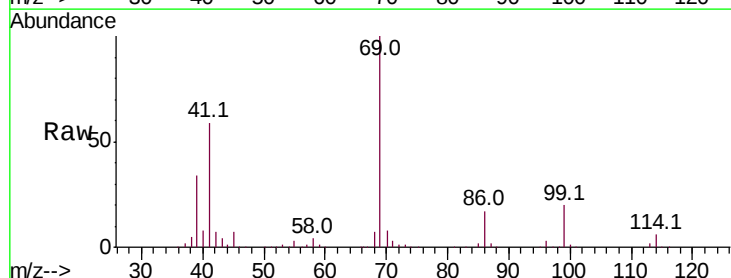
Manual Integrations
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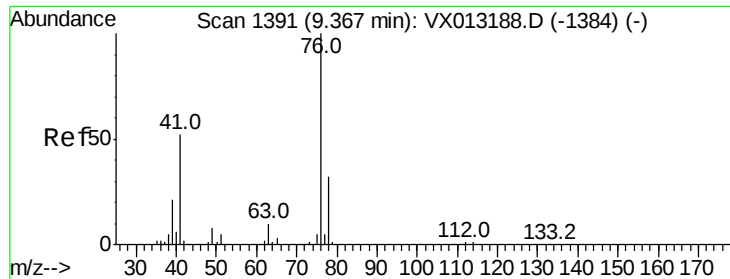
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#56
Ethyl methacrylate
Concen: 52.422 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Tgt Ion	Ratio	Lower	Upper
69	100		
41	60.4	49.5	74.3
39	35.0	28.3	42.5





#57

1,3-Dichloropropane

Concen: 48.306 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 136628

Ion Ratio Lower Upper

76 100

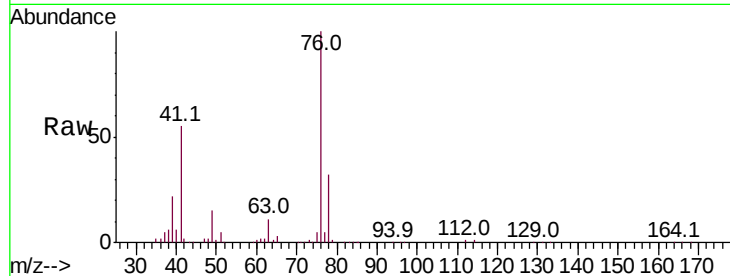
78 32.8 26.1 39.1

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

100000

80000

60000

40000

20000

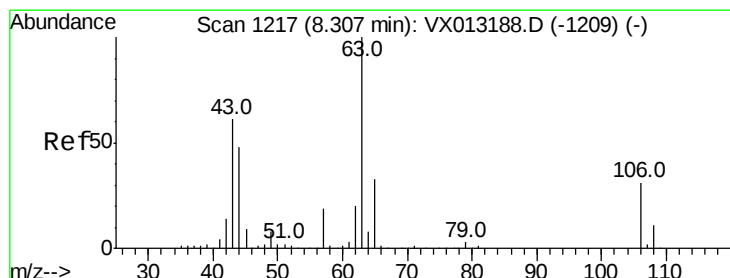
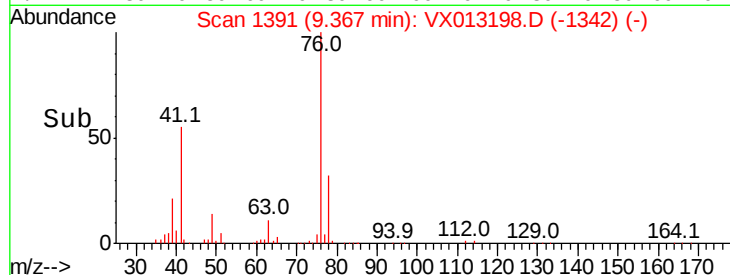
0

9.30

9.40

9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 272.504 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX013198.D

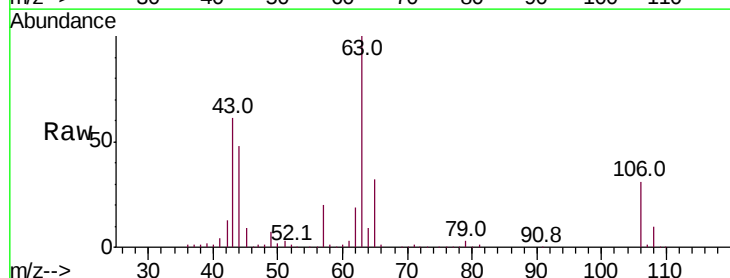
Acq: 23 Oct 2019 19:41

Tgt Ion: 63 Resp: 268265

Ion Ratio Lower Upper

63 100

106 31.6 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

200000

150000

100000

50000

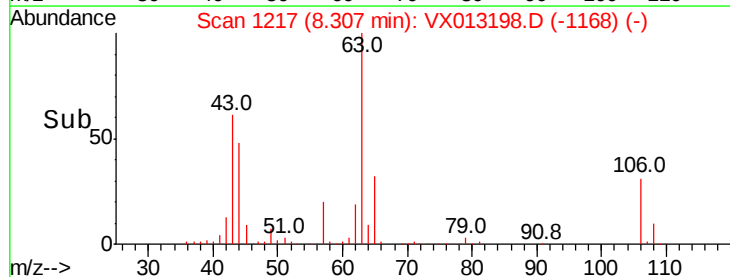
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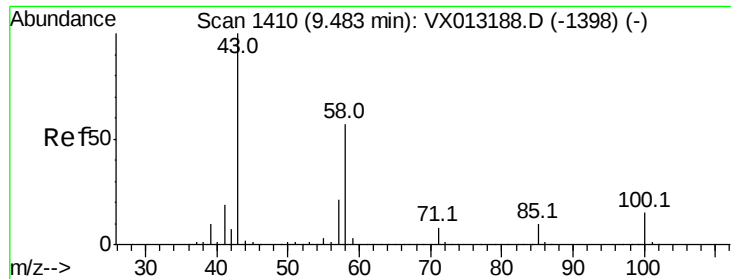
8.20

8.30

8.40

Time-->





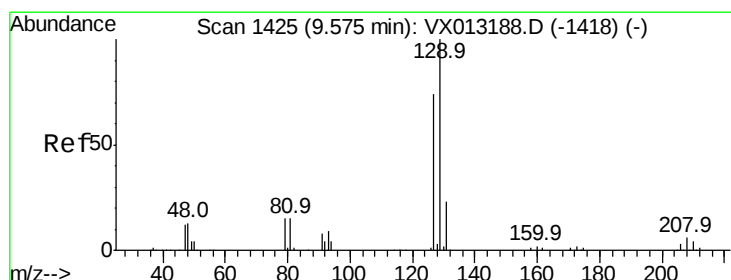
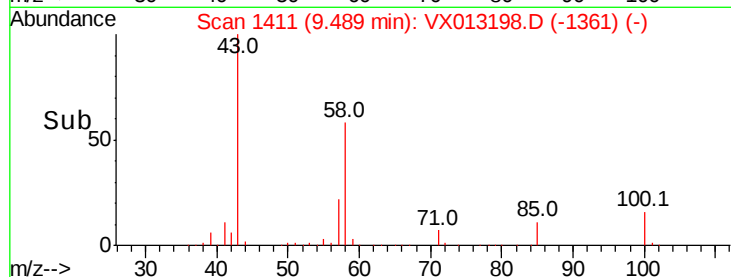
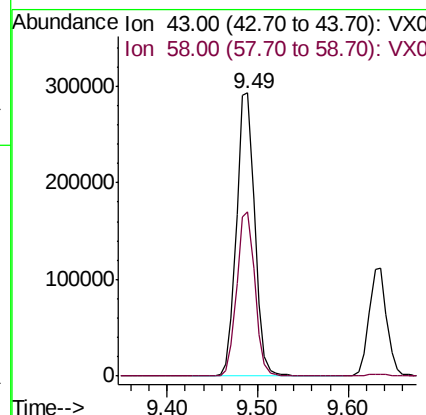
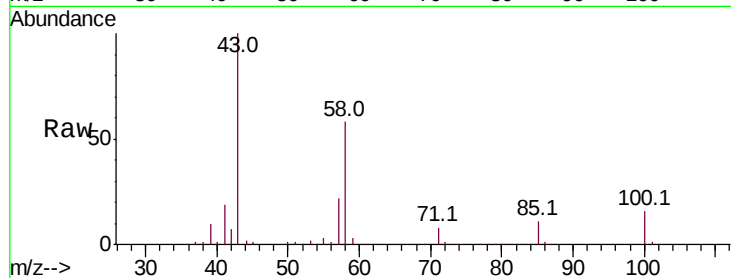
#59
2-Hexanone
Concen: 248.030 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 410399
Ion Ratio Lower Upper
43 100
58 57.7 28.2 84.7

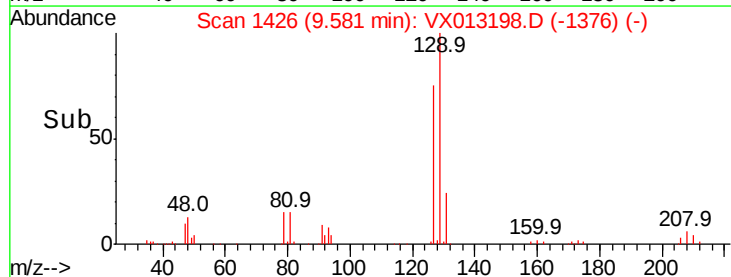
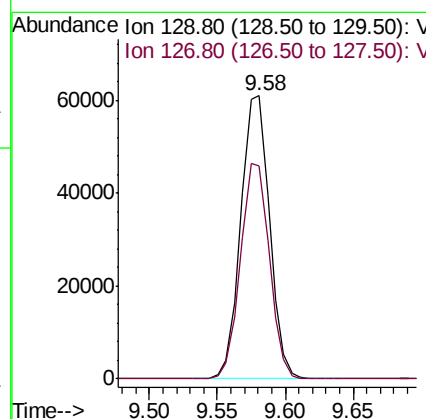
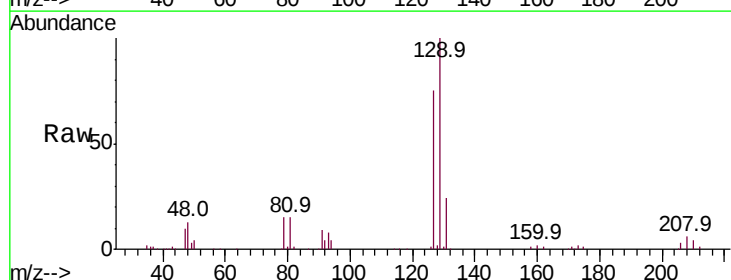
Manual Integrations
APPROVED

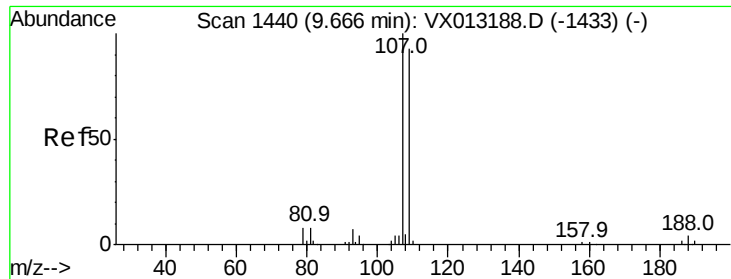
MMDadoda
10/25/2019 4:33:25 PM



#60
Dibromochloromethane
Concen: 51.238 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.01 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Tgt Ion: 129 Resp: 89999
Ion Ratio Lower Upper
129 100
127 76.8 38.2 114.6





#61

1,2-Dibromoethane

Concen: 49.696 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 88438

Ion Ratio Lower Upper

107 100

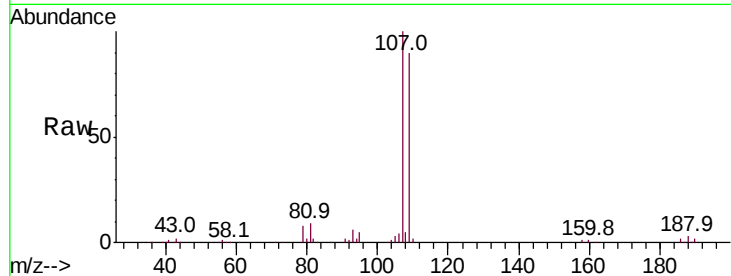
109 93.0 75.7 113.5

Manual Integrations

APPROVED

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

60000

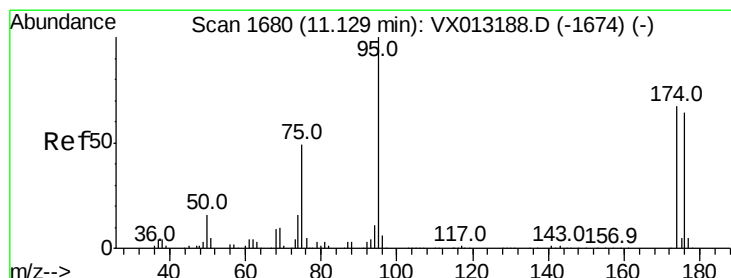
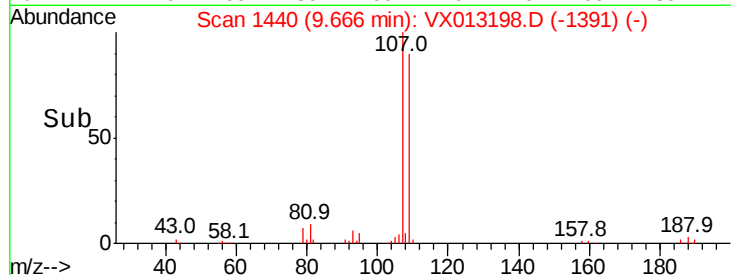
40000

20000

0

Time-->

9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 49.797 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

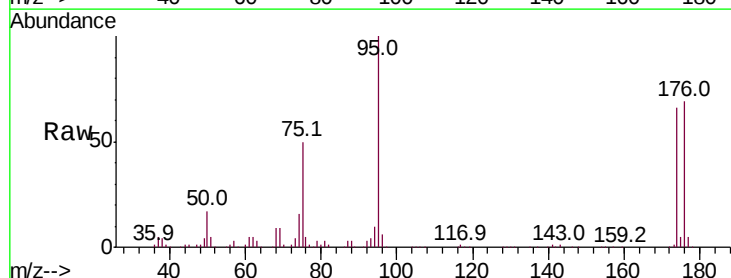
Tgt Ion: 95 Resp: 103748

Ion Ratio Lower Upper

95 100

174 75.5 0.0 152.4

176 74.7 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

100000

80000

60000

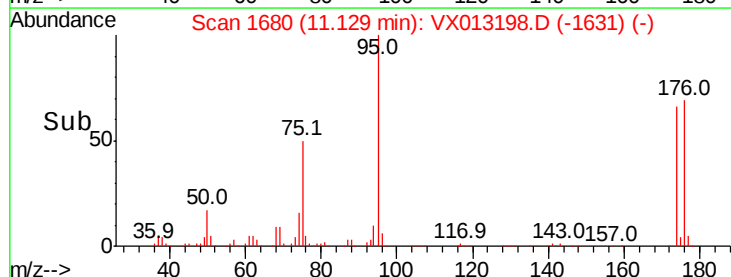
40000

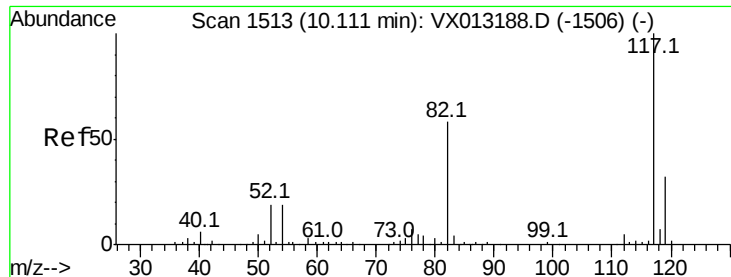
20000

0

Time-->

11.10 11.20





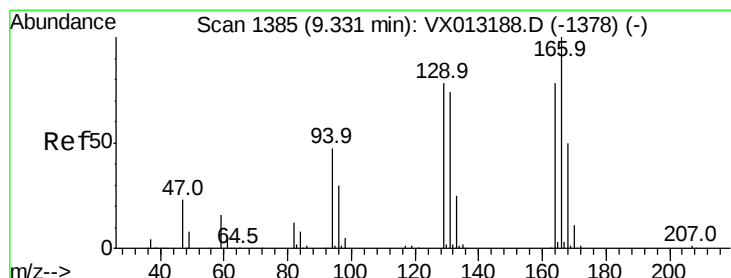
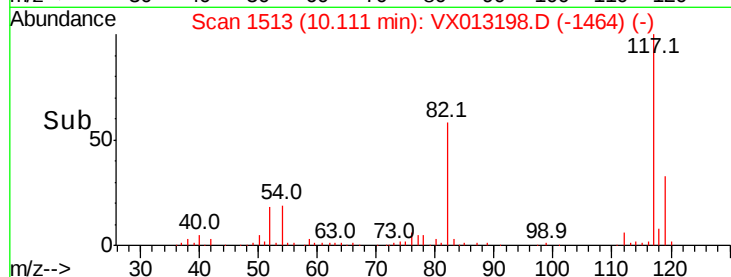
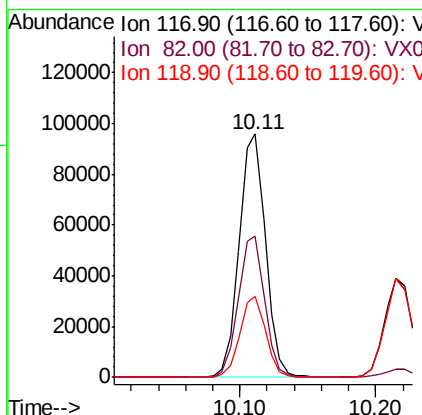
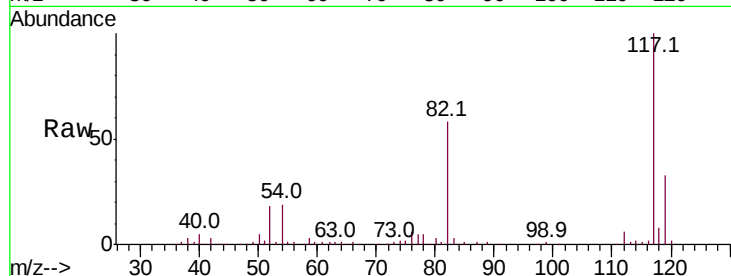
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.5	69.7
119	33.2	25.2	37.8

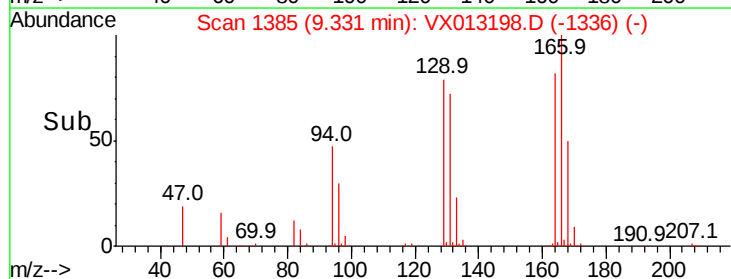
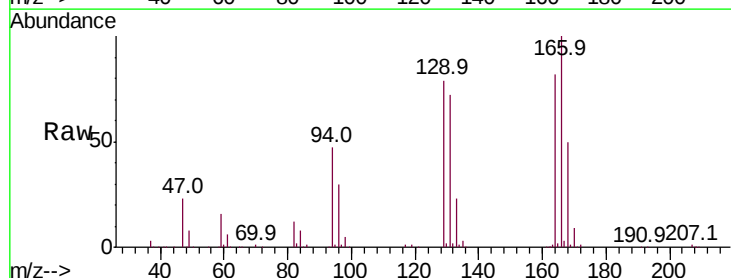
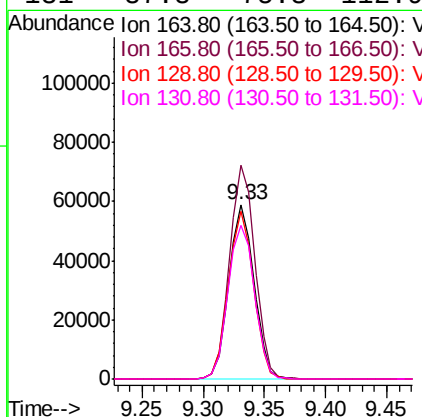
Manual Integrations
APPROVED

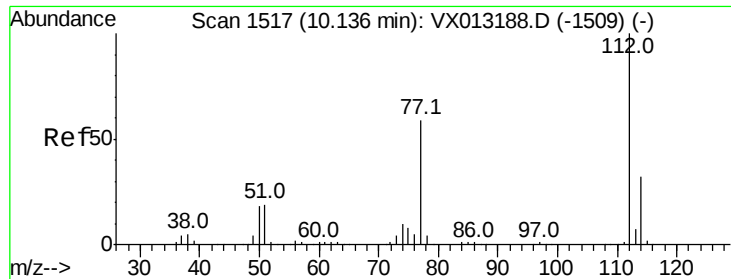
MMDadoda
10/25/2019 4:33:25 PM



#64
Tetrachloroethene
Concen: 52.270 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.3	102.2	153.4
129	96.1	79.8	119.8
131	87.8	75.3	112.9





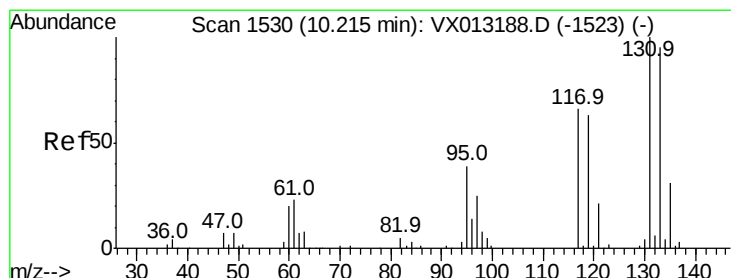
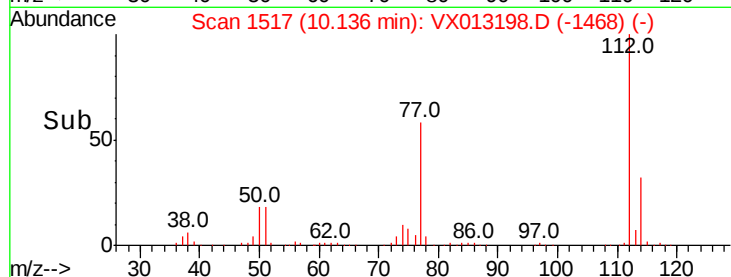
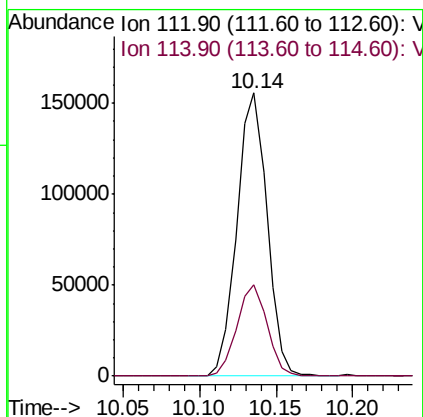
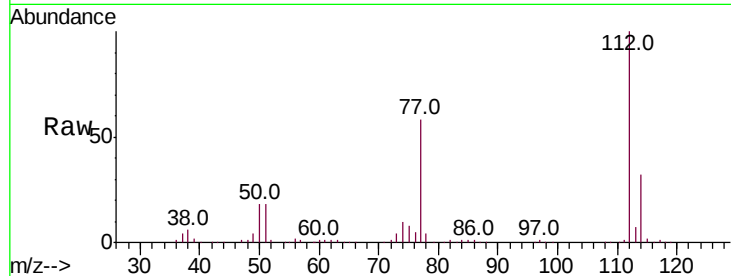
#65
Chlorobenzene
Concen: 47.029 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.8	38.8

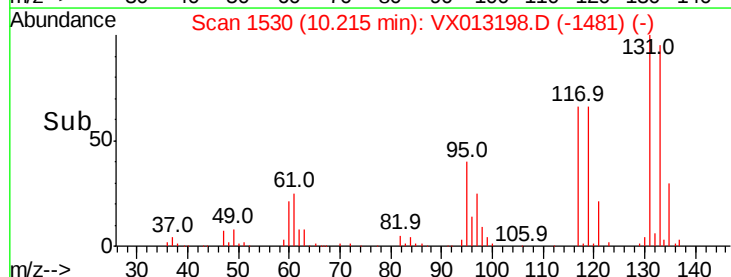
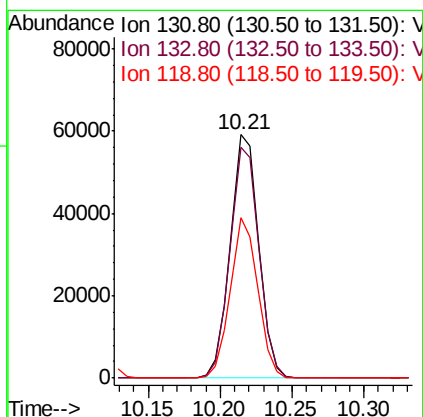
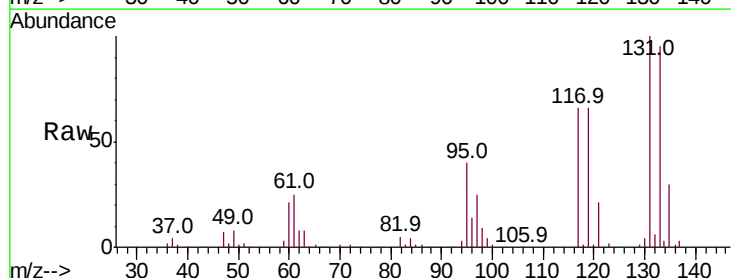
Manual Integrations
APPROVED

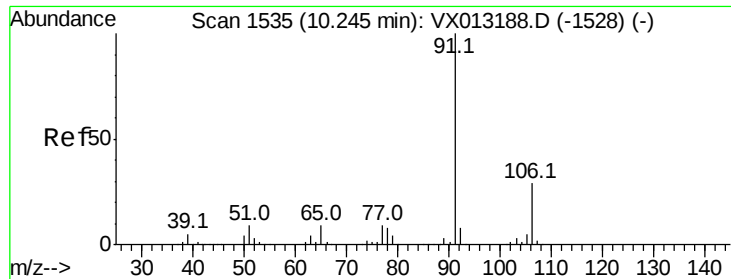
MMDadoda
10/25/2019 4:33:25 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.283 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.3	48.4	145.2
119	63.9	32.4	97.0





#67

Ethyl Benzene

Concen: 48.360 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 392158

Ion Ratio Lower Upper

91 100

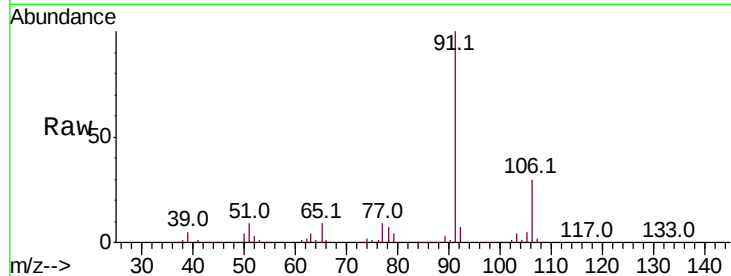
106 29.7 23.5 35.3

Manual Integrations

APPROVED

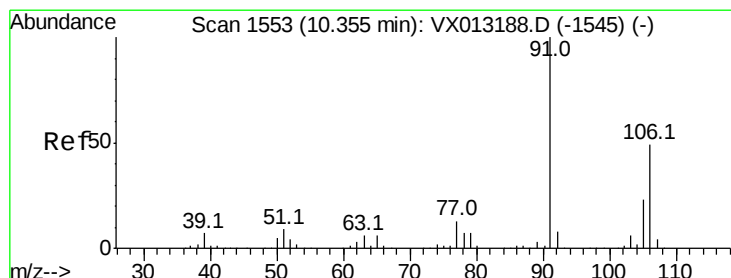
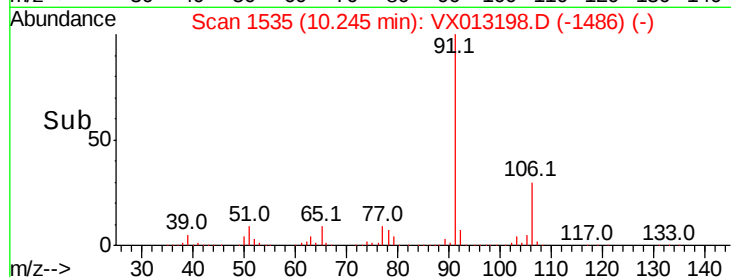
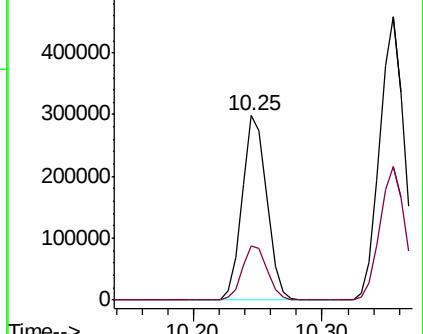
MMDadoda

10/25/2019 4:33:25 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 94.772 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013198.D

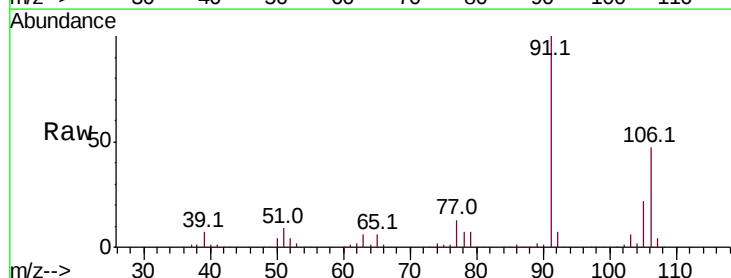
Acq: 23 Oct 2019 19:41

Tgt Ion:106 Resp: 290437

Ion Ratio Lower Upper

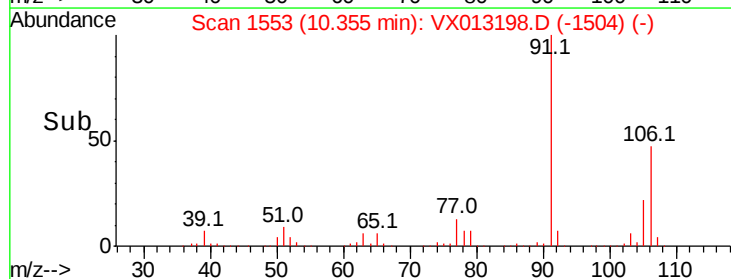
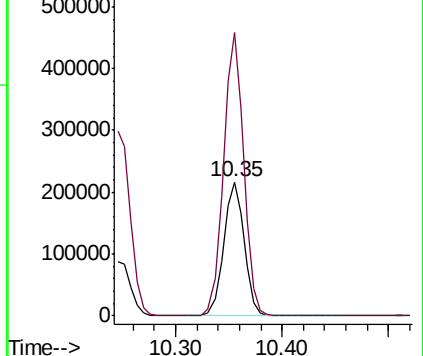
106 100

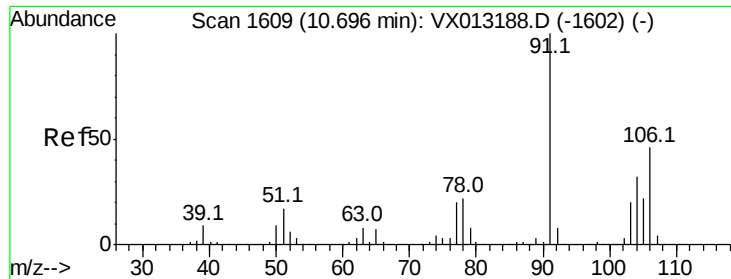
91 208.6 166.8 250.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





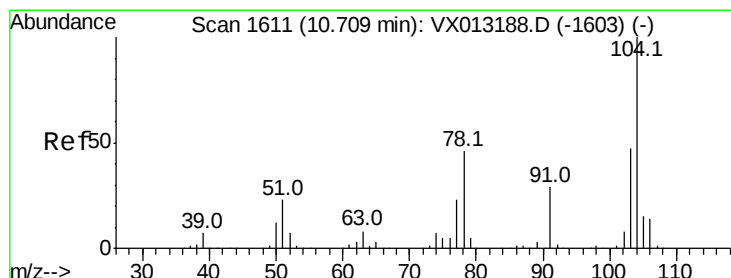
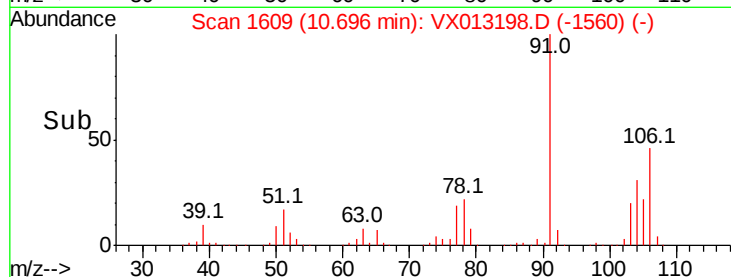
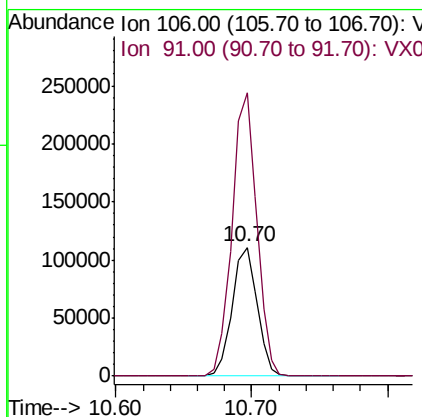
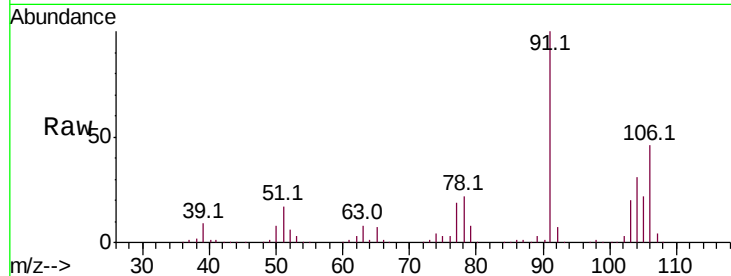
#69
o-Xylene
Concen: 48.265 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 141890
Ion Ratio Lower Upper
106 100
91 217.4 110.7 331.9

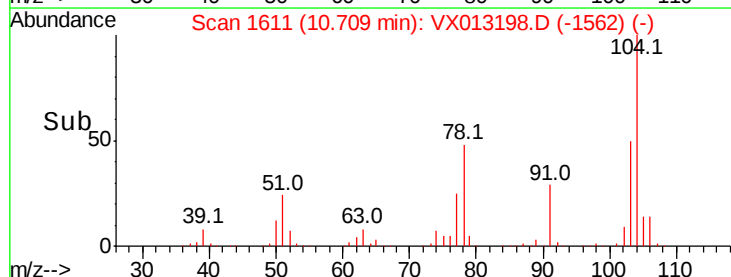
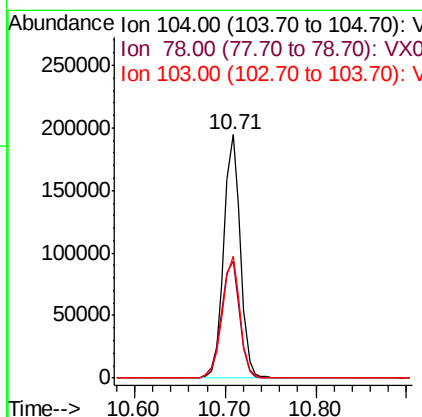
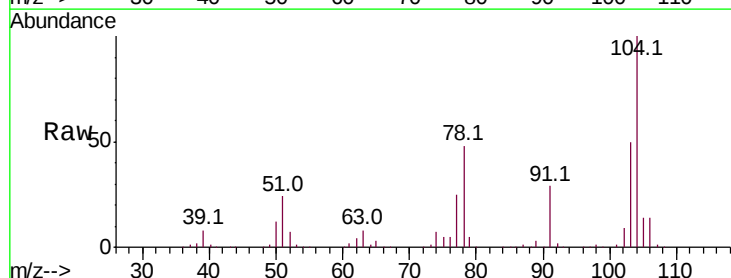
Manual Integrations
APPROVED

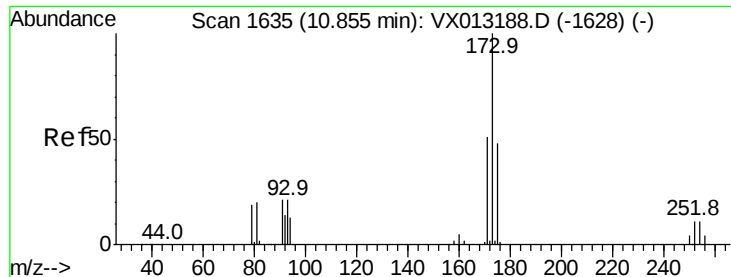
MMDadoda
10/25/2019 4:33:25 PM



#70
Styrene
Concen: 48.662 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Tgt Ion:104 Resp: 246329
Ion Ratio Lower Upper
104 100
78 53.6 42.2 63.4
103 53.7 42.8 64.2





#71

Bromoform

Concen: 51.519 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 62991

Ion Ratio Lower Upper

173 100

175 48.5 24.3 72.8

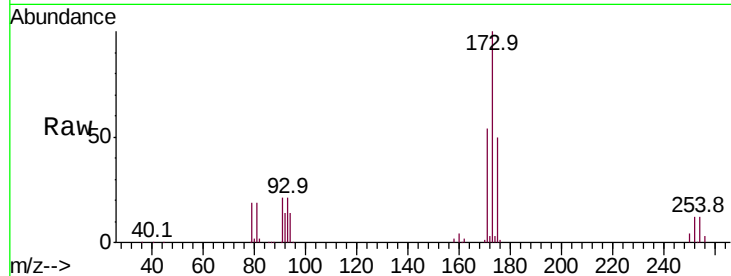
254 0.0 0.1 0.1#

Manual Integrations

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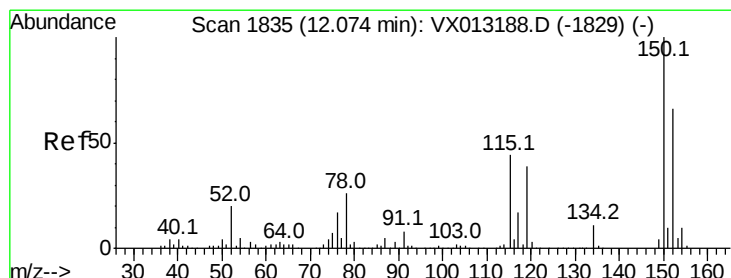
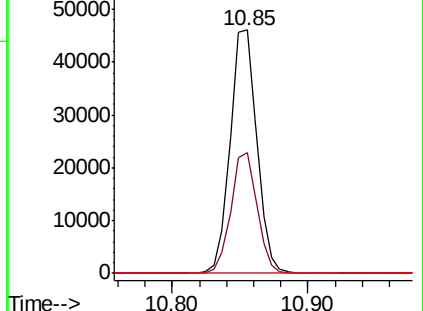
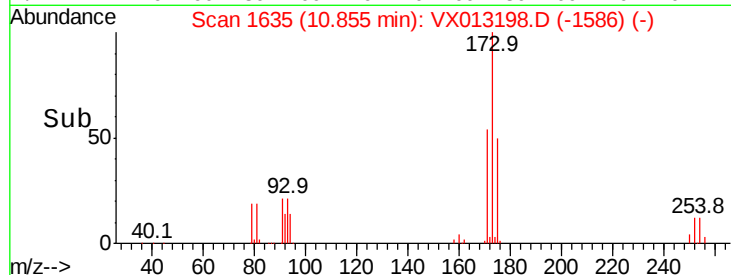
10/25/2019 4:33:25 PM



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: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

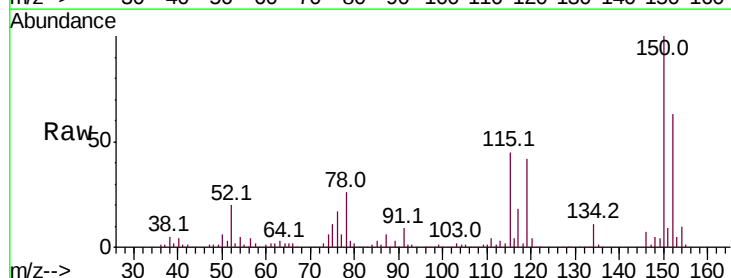
Tgt Ion:152 Resp: 88701

Ion Ratio Lower Upper

152 100

115 93.8 46.6 139.8

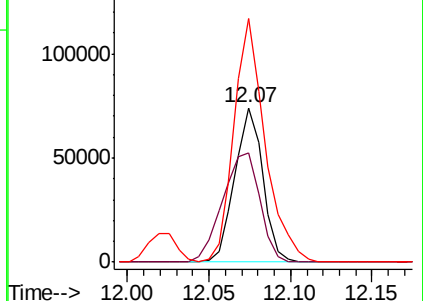
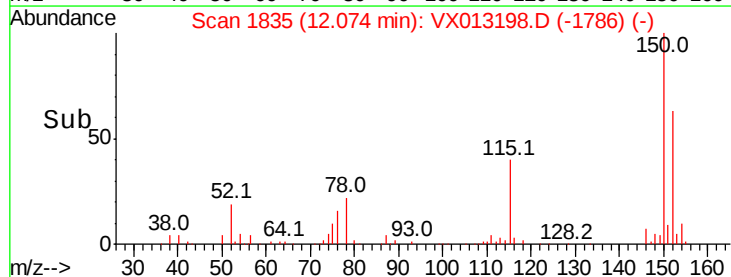
150 174.5 0.0 354.0

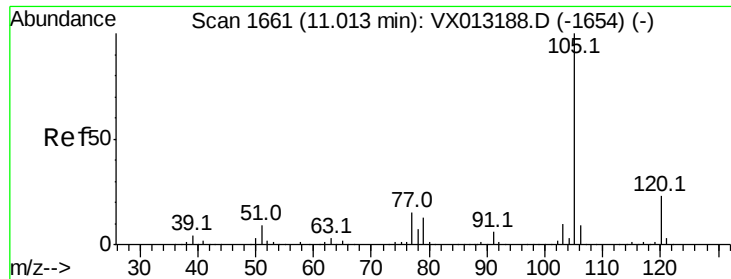


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





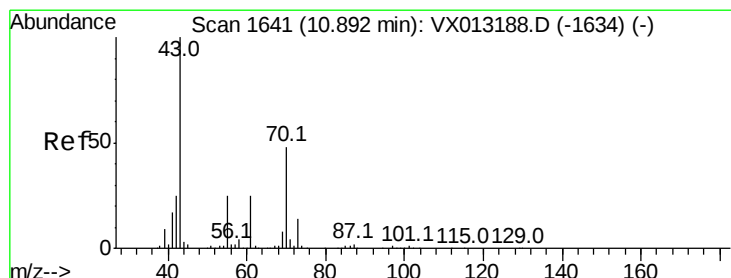
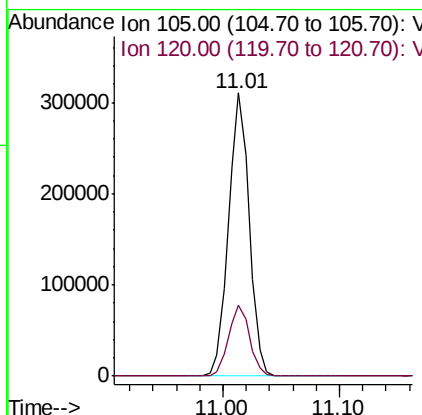
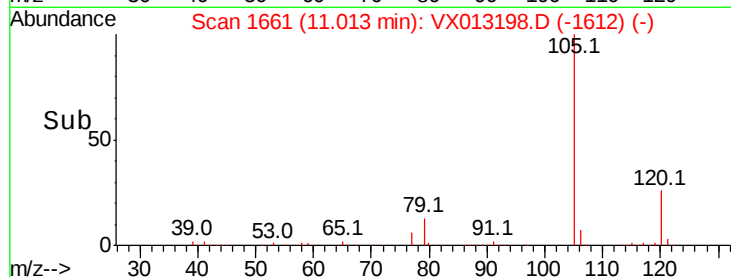
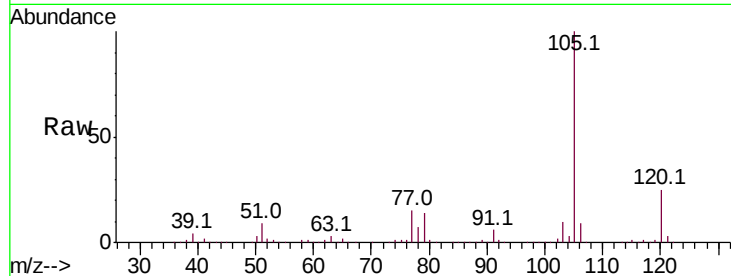
#73
Isopropylbenzene
Concen: 47.524 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 382800
Ion Ratio Lower Upper
105 100
120 25.4 12.6 37.8

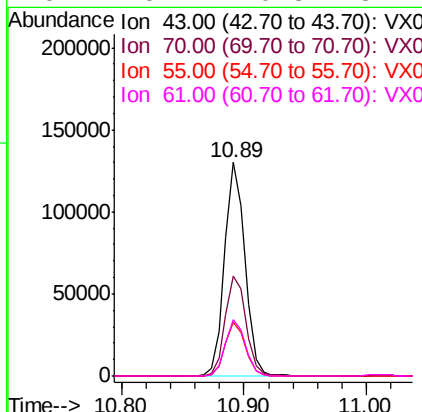
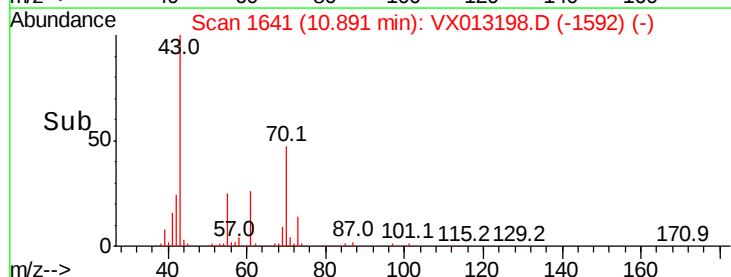
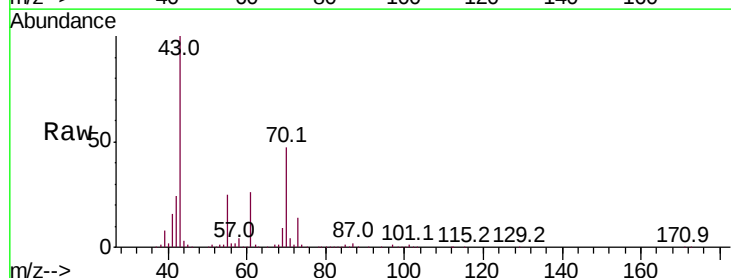
Manual Integrations
APPROVED

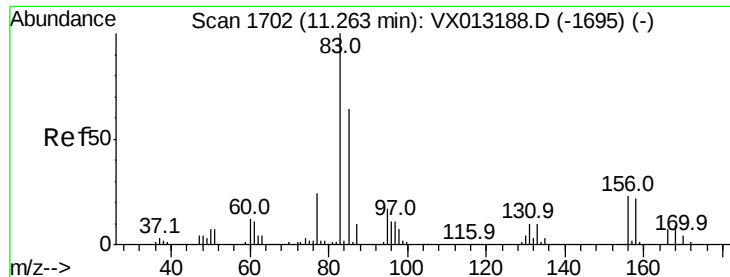
MMDadoda
10/25/2019 4:33:25 PM



#74
N-ethyl acetate
Concen: 50.779 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Tgt Ion: 43 Resp: 150122
Ion Ratio Lower Upper
43 100
70 47.9 38.5 57.7
55 25.5 20.7 31.1
61 26.2 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 49.774 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

Instrument :

MSVOA_X

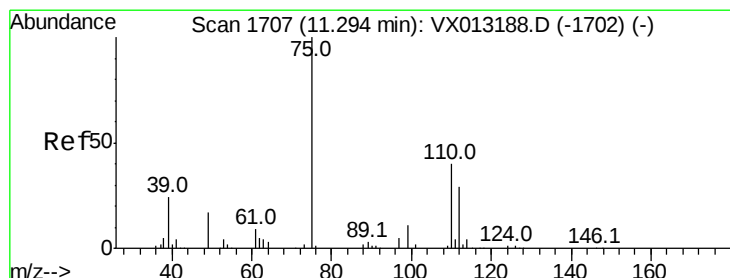
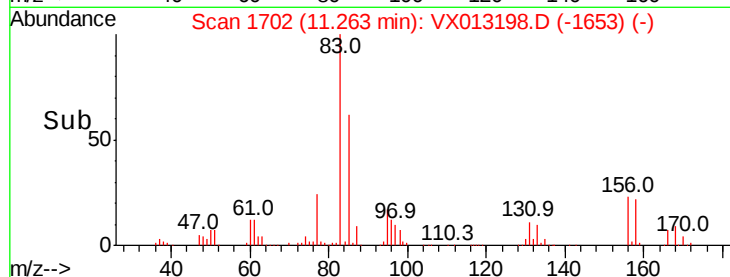
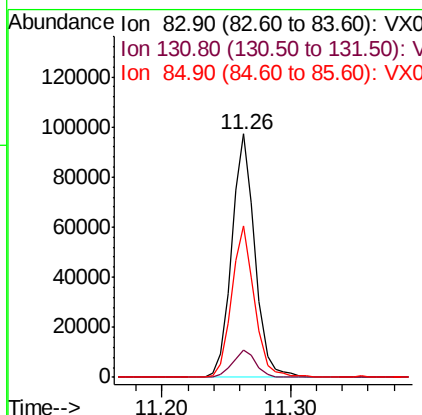
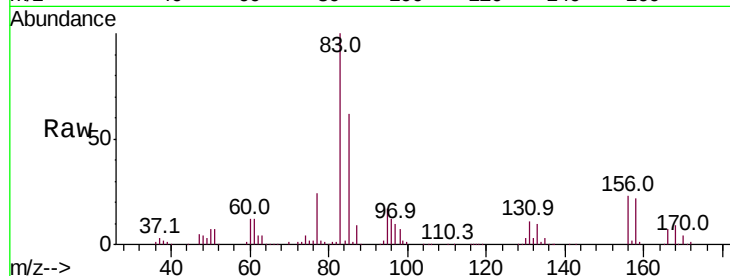
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	121736
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.3	16.1
85	61.3	31.4	94.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 45.072 ug/l m

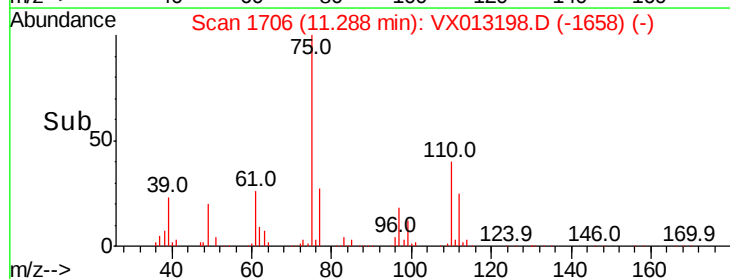
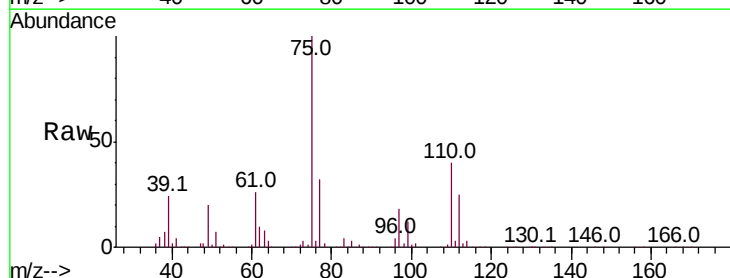
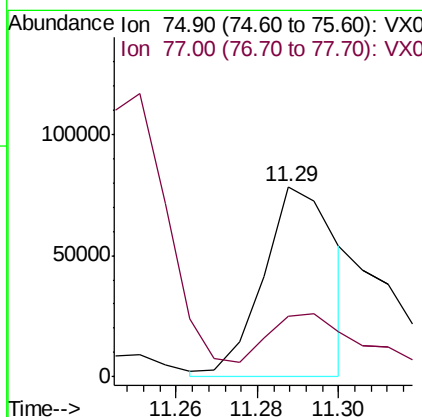
RT: 11.29 min Scan# 1706

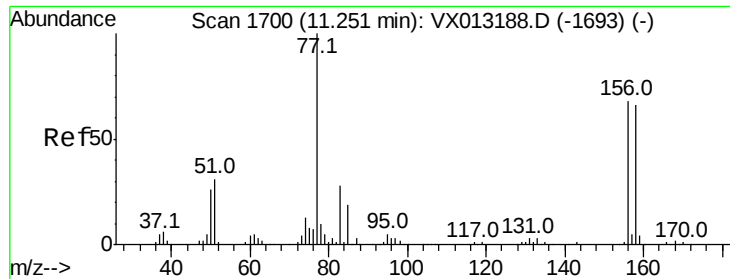
Delta R.T. -0.01 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

Tgt Ion:	75	Resp:	96358
Ion Ratio	Lower	Upper	
75	100		
77	46.1	19.1	57.5





#77

Bromobenzene

Concen: 47.623 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 91938

Ion Ratio Lower Upper

156 100

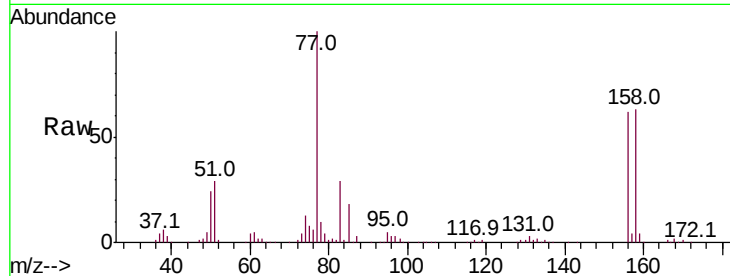
77 165.0 81.7 245.1

158 98.5 49.6 148.8

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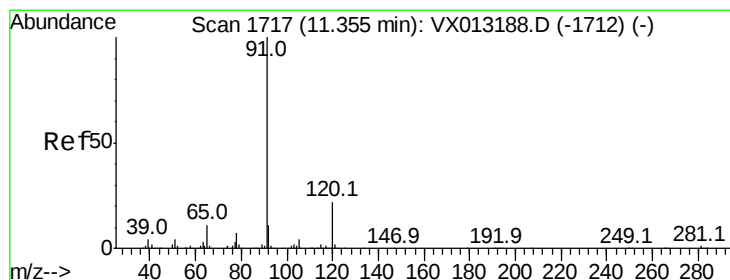
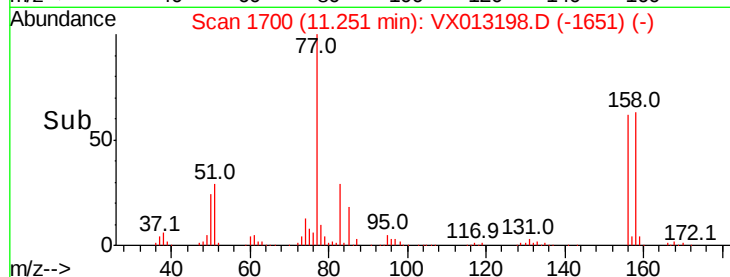
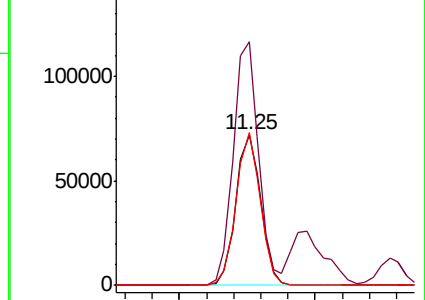
10/25/2019 4:33:25 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.284 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013198.D

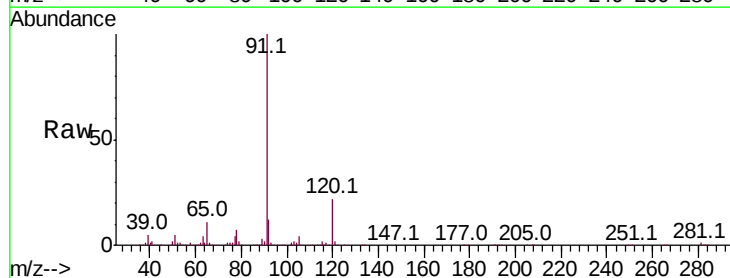
Acq: 23 Oct 2019 19:41

Tgt Ion: 91 Resp: 396213

Ion Ratio Lower Upper

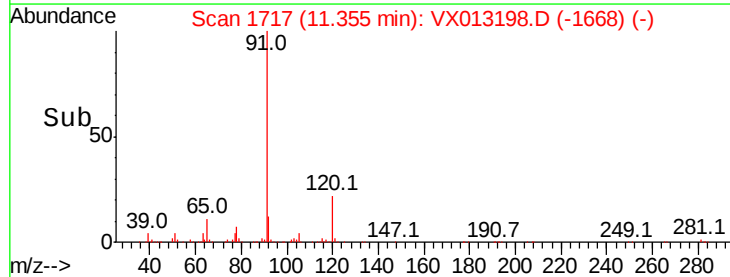
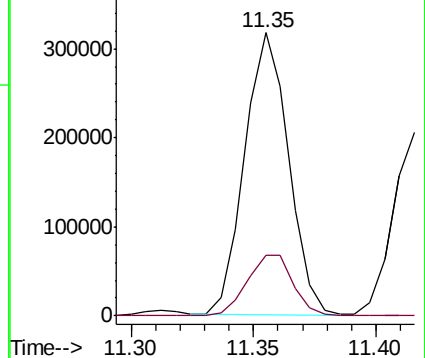
91 100

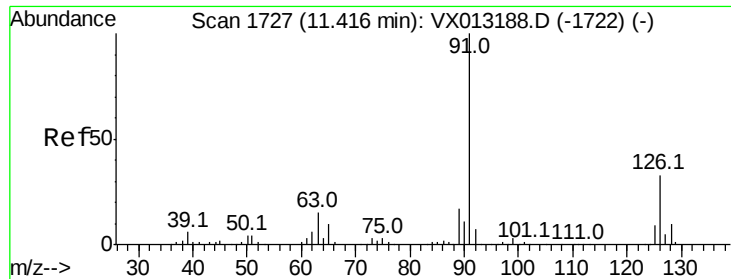
120 22.8 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





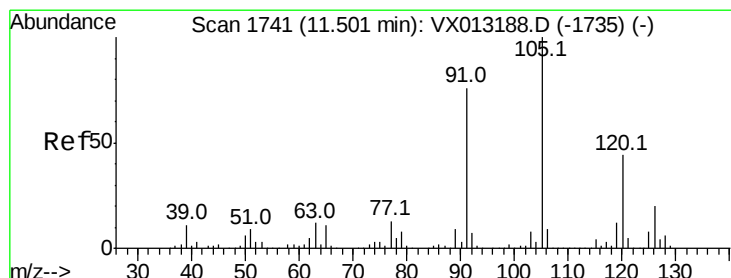
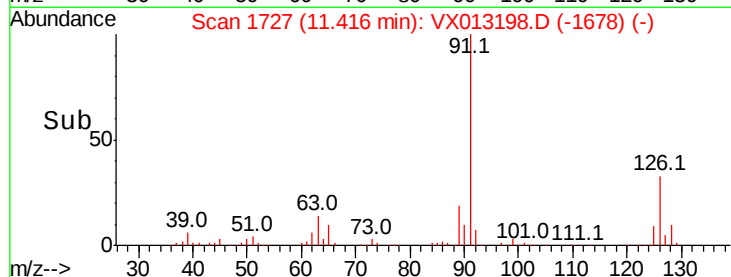
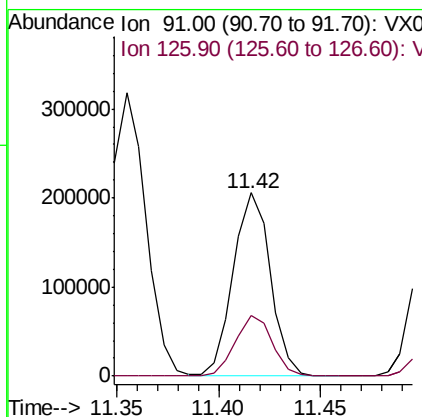
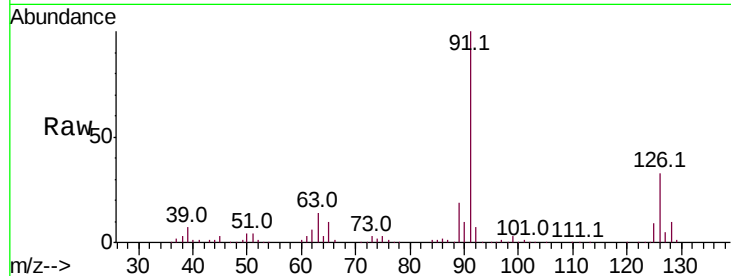
#79
 2-Chlorotoluene
 Concen: 46.773 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX013198.D
 Acq: 23 Oct 2019 19:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.3	48.8

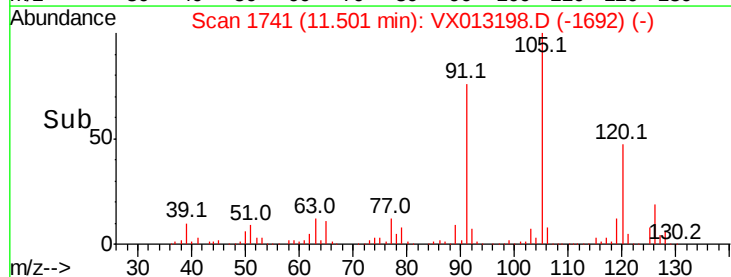
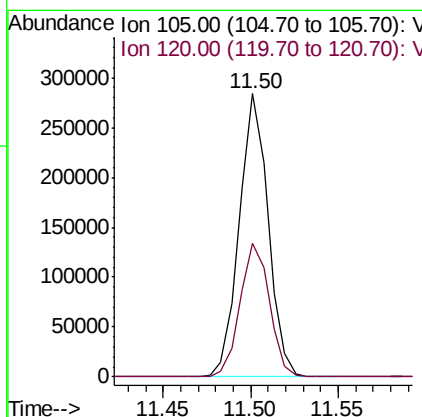
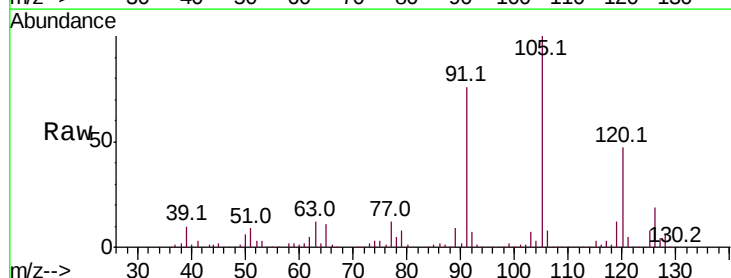
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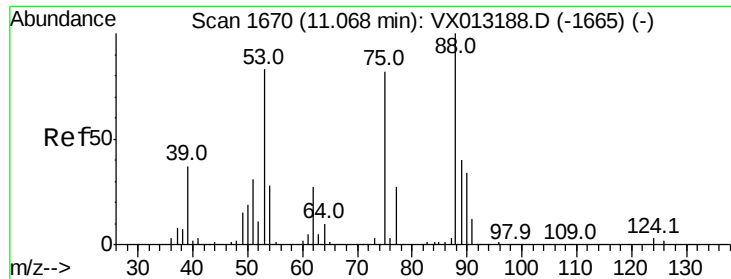
MMDadoda
 10/25/2019 4:33:25 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 48.643 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013198.D
 Acq: 23 Oct 2019 19:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.4	70.0





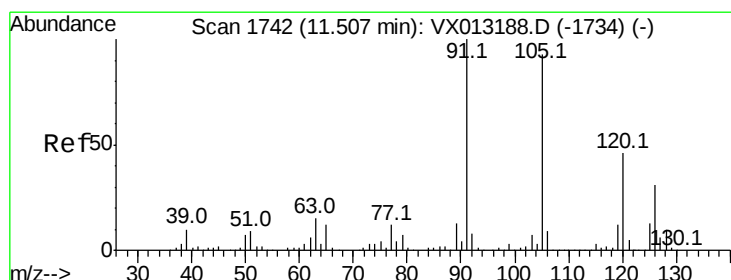
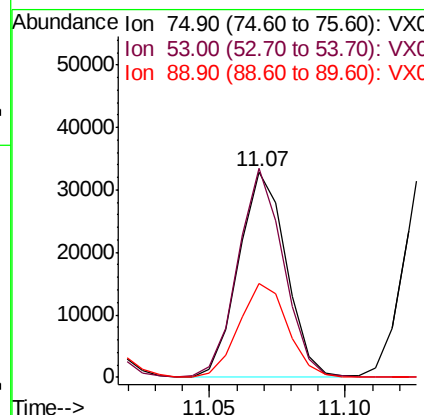
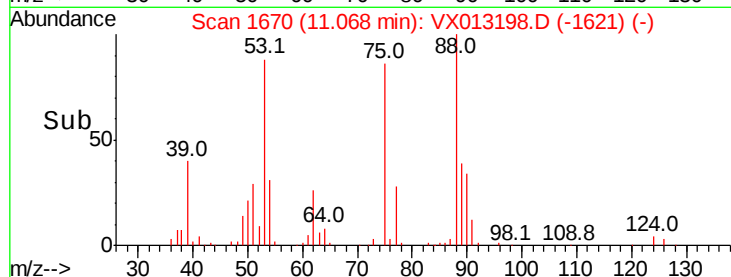
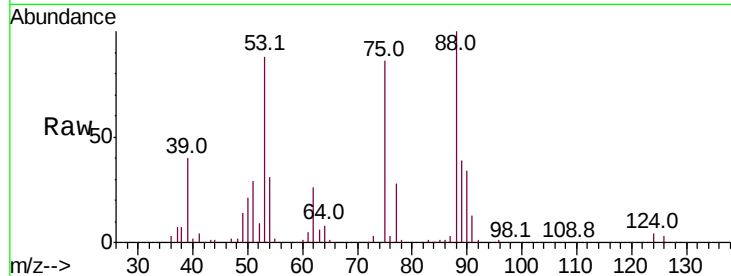
#81
trans-1,4-Dichloro-2-butene
Concen: 51.402 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.2	77.9	116.9
89	46.6	37.3	55.9

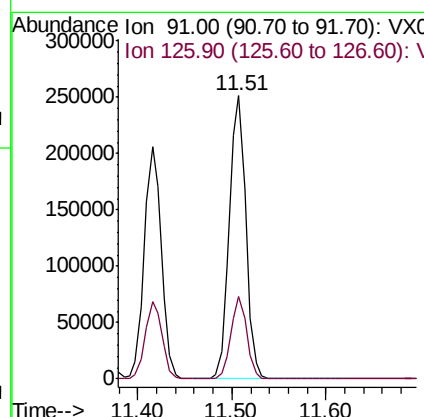
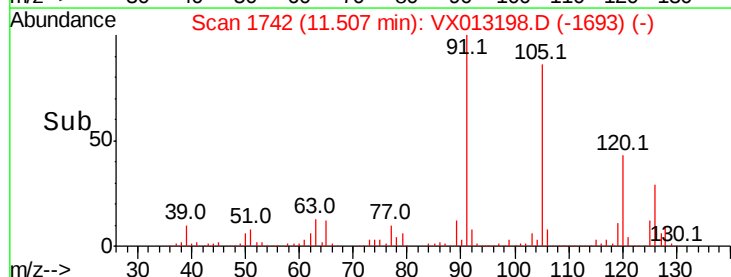
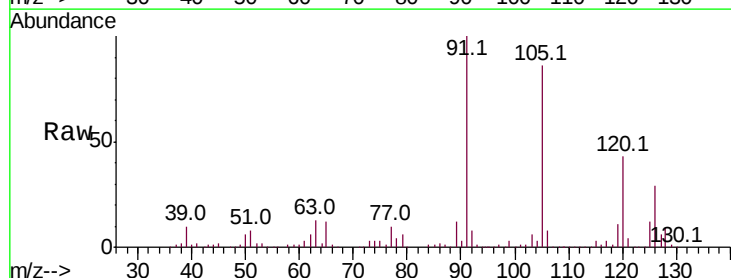
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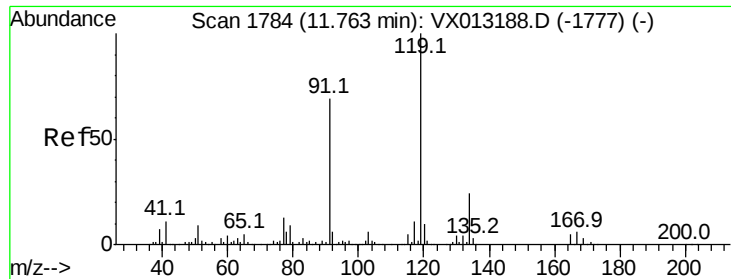
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.120 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.6	44.0





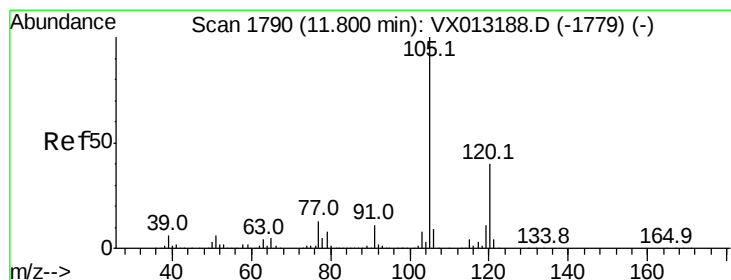
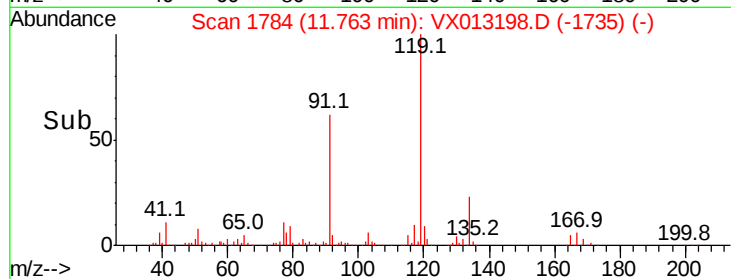
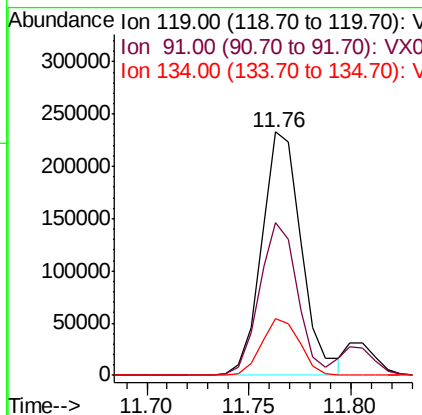
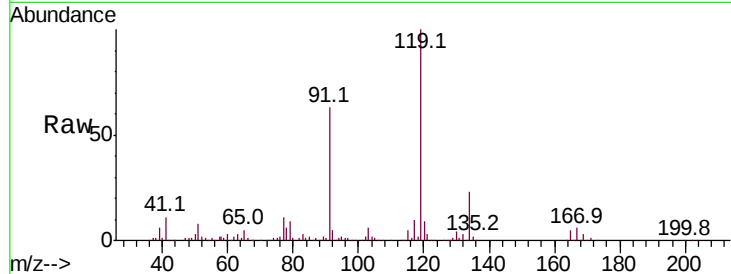
#83
tert-Butylbenzene
Concen: 47.630 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	315500		
91	59.9	30.8	92.4	
134	22.4	11.5	34.5	

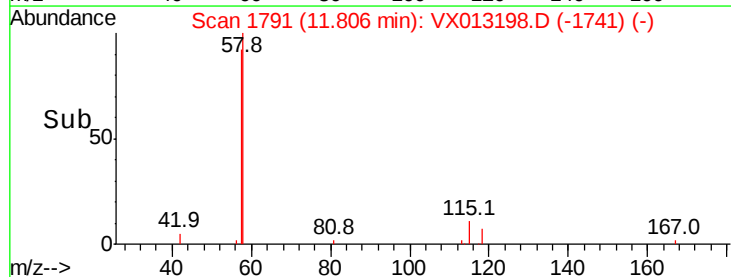
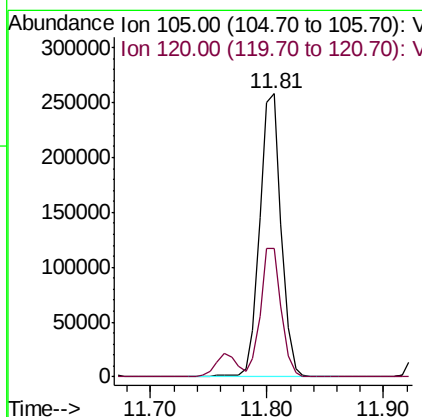
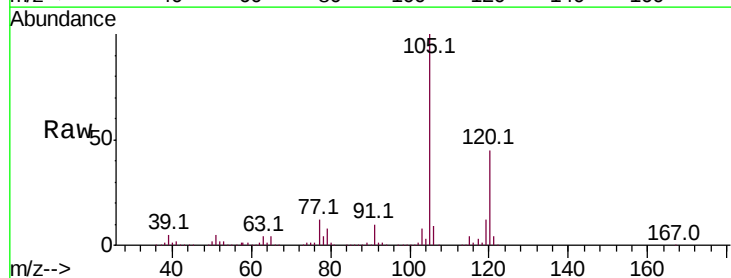
Manual Integrations
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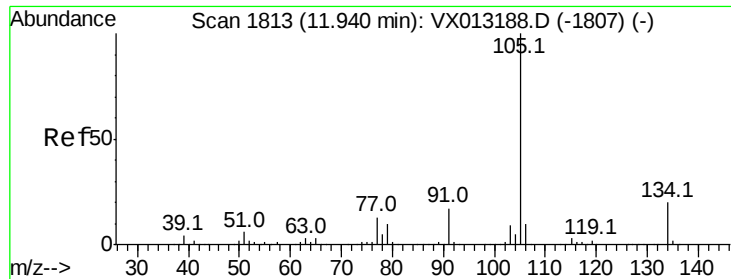
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 48.982 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	330786		
120	43.6	21.4	64.3	





#85

sec-Butylbenzene

Concen: 46.151 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 347885

Ion Ratio Lower Upper

105 100

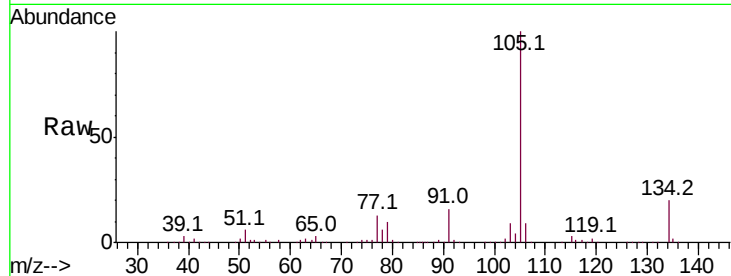
134 20.3 9.9 29.7

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

11.94

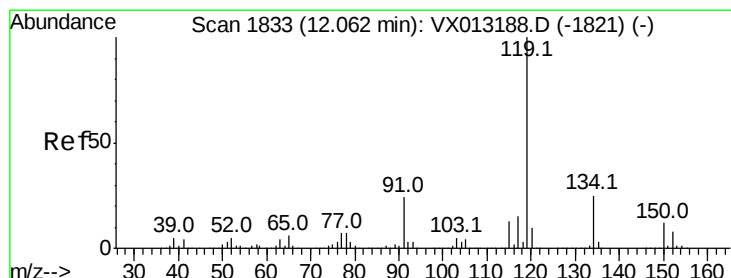
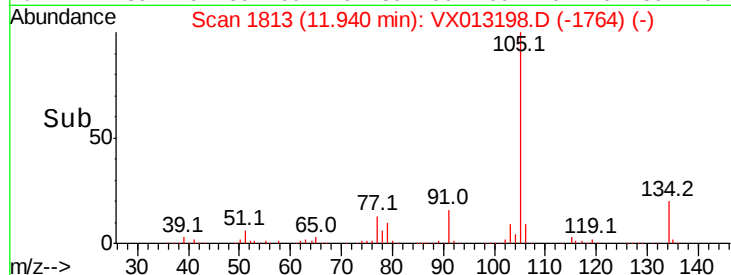
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 47.611 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX013198.D

Acq: 23 Oct 2019 19:41

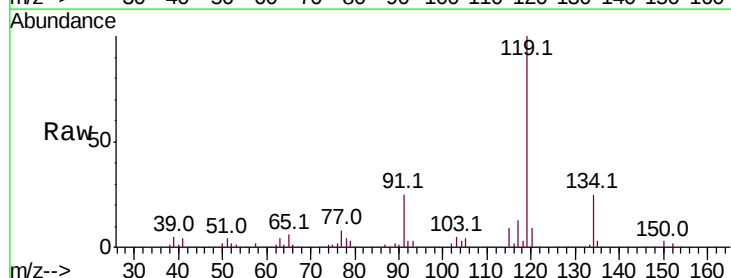
Tgt Ion:119 Resp: 337164

Ion Ratio Lower Upper

119 100

134 25.5 12.5 37.5

91 25.0 12.4 37.2



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): VX0

12.06

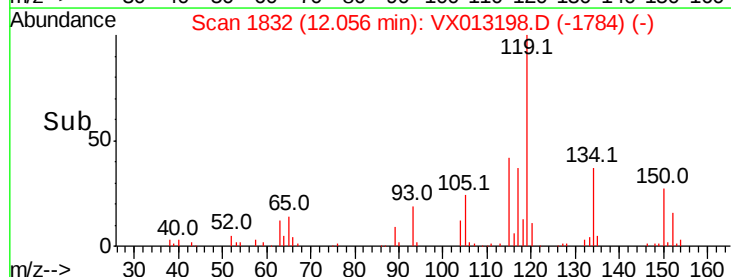
300000

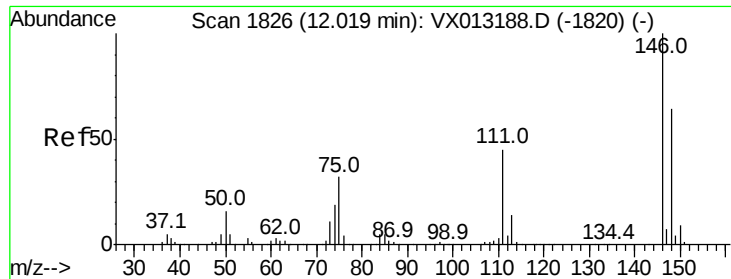
200000

100000

0

Time-->





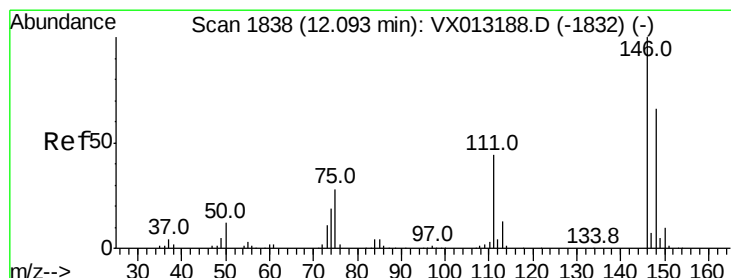
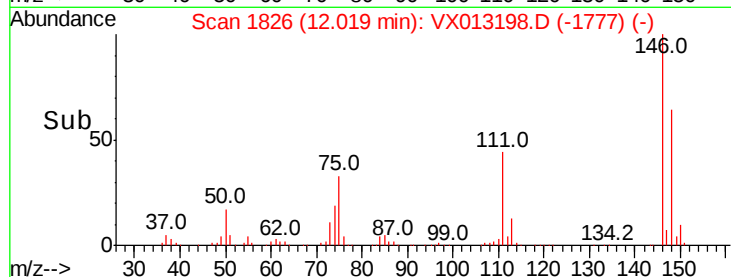
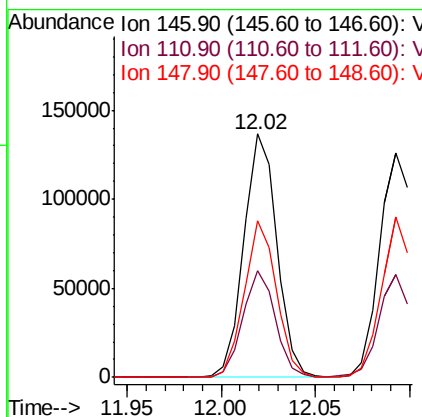
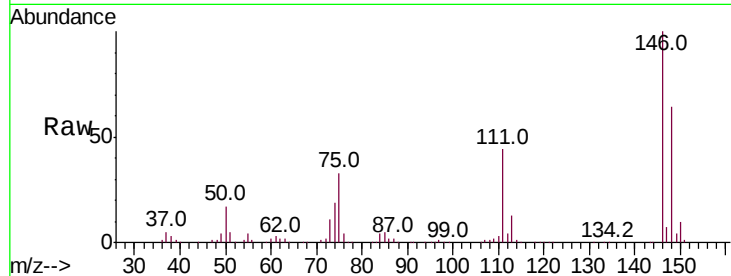
#87
 1,3-Dichlorobenzene
 Concen: 47.638 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013198.D
 Acq: 23 Oct 2019 19:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.3	63.9
148	62.8	31.6	94.8

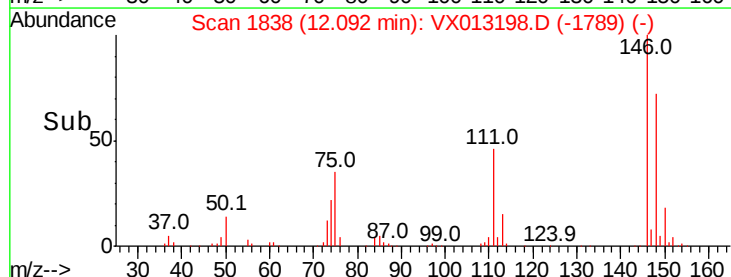
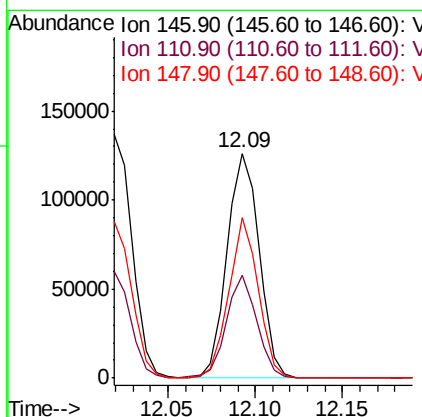
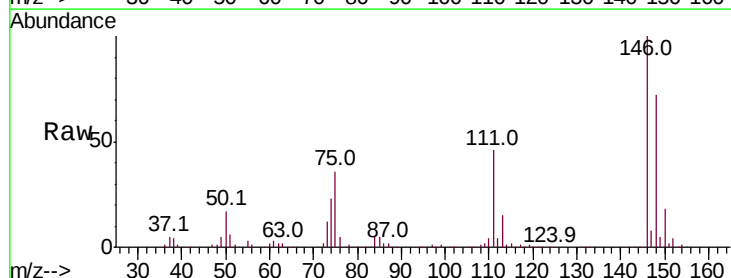
Manual Integrations
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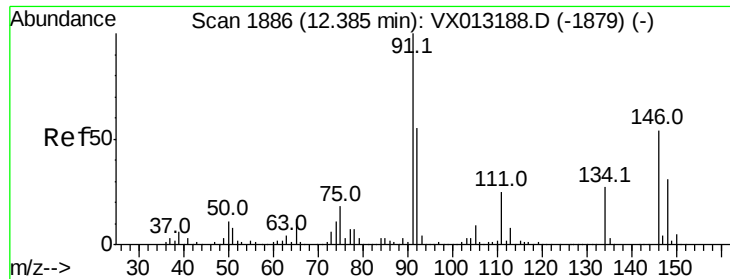
MMDadoda
 10/25/2019 4:33:25 PM



#88
 1,4-Dichlorobenzene
 Concen: 45.295 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013198.D
 Acq: 23 Oct 2019 19:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.3	63.9
148	65.9	32.5	97.5





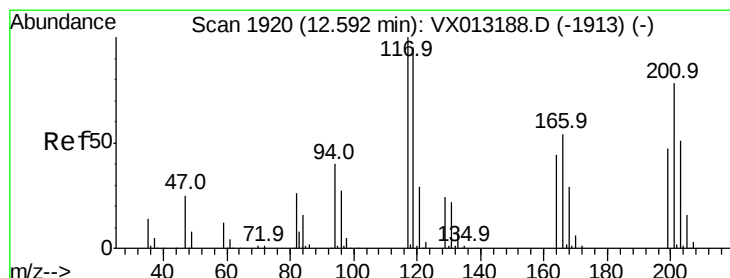
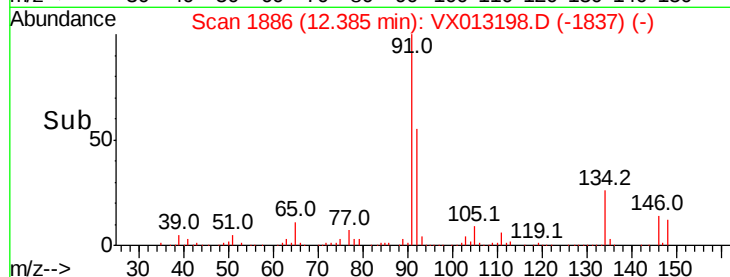
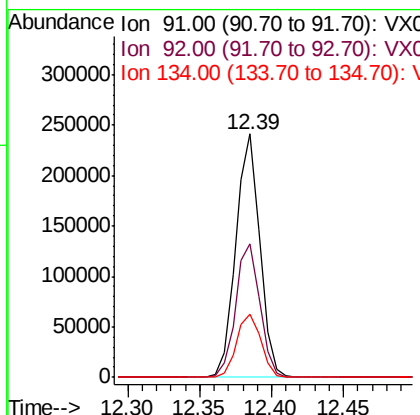
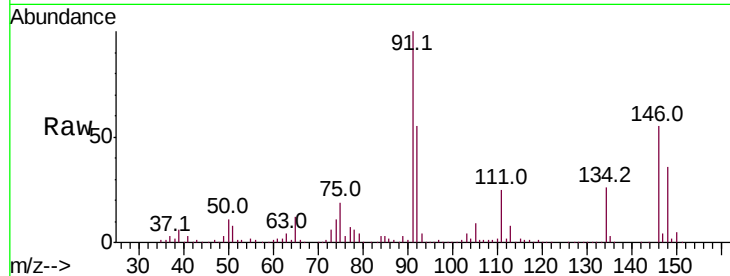
#89
n-Butylbenzene
Concen: 48.467 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.7	83.1
134	26.3	13.2	39.6

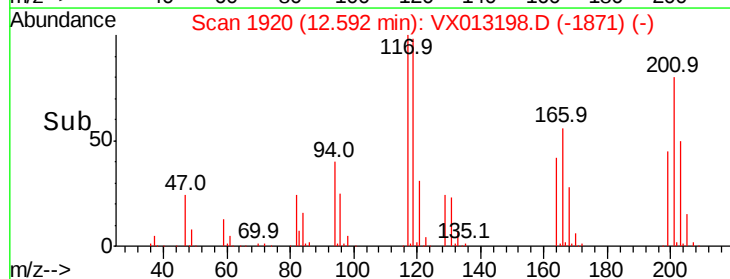
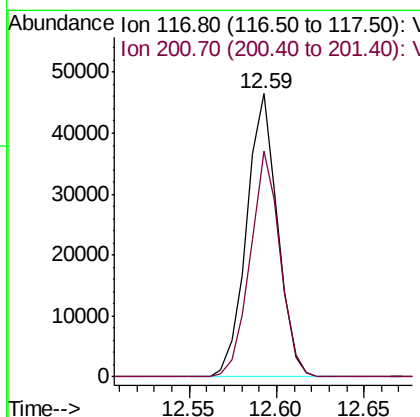
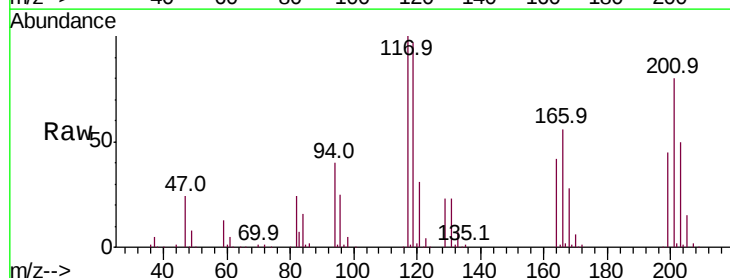
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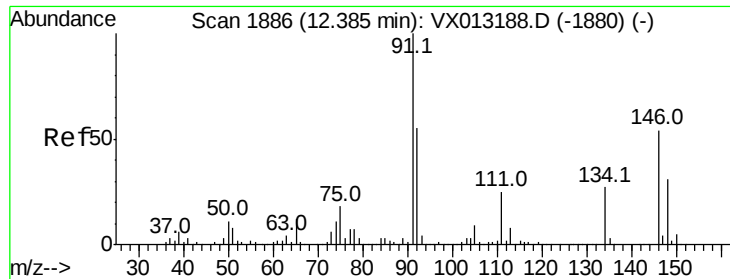
MMDadoda
10/25/2019 4:33:25 PM



#90
Hexachloroethane
Concen: 47.964 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.3	39.0	116.9





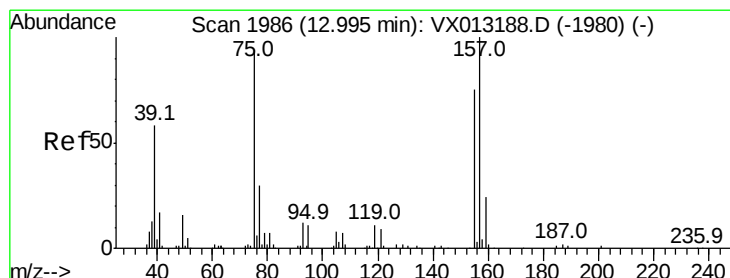
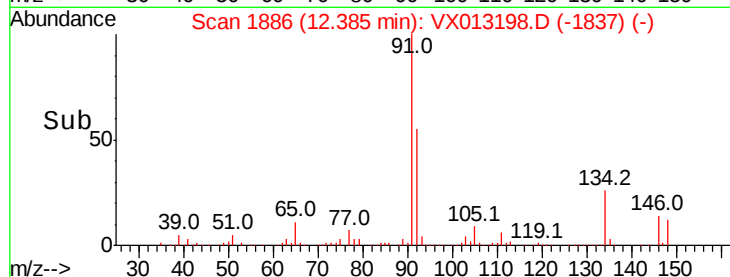
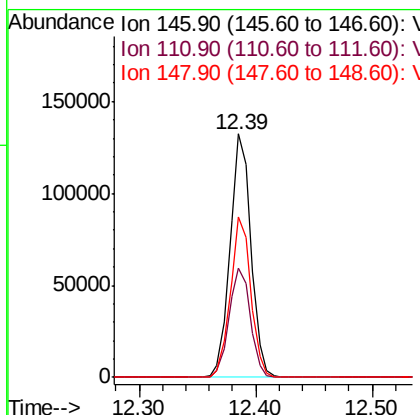
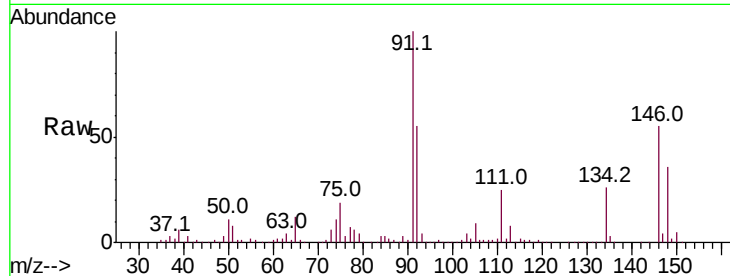
#91
 1,2-Dichlorobenzene
 Concen: 48.056 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013198.D
 Acq: 23 Oct 2019 19:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	164810		
111	45.5	22.9	68.8	
148	64.5	31.8	95.3	

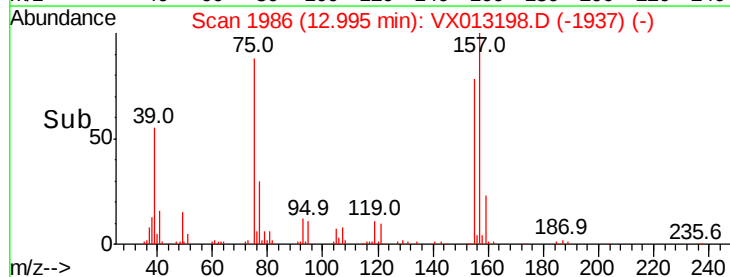
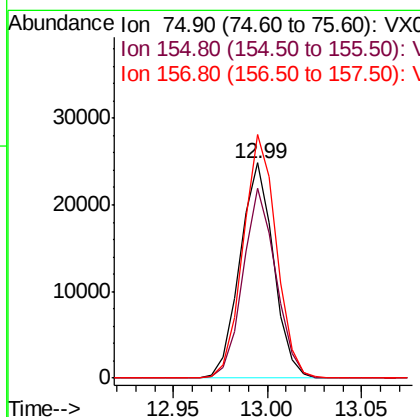
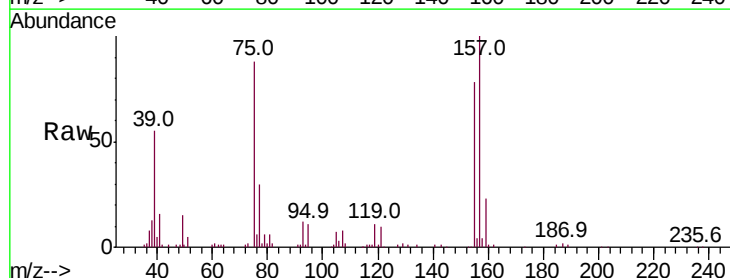
Manual Integrations
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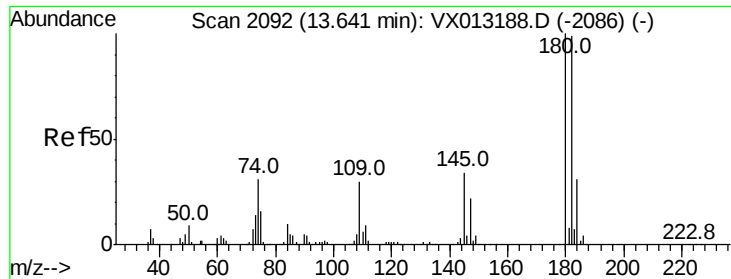
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.260 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013198.D
 Acq: 23 Oct 2019 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	30568		
155	86.8	42.8	128.4	
157	112.1	54.3	162.8	





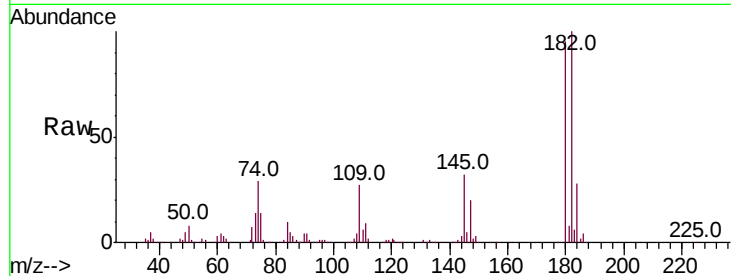
#93
 1,2,4-Trichlorobenzene
 Concen: 47.912 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013198.D
 Acq: 23 Oct 2019 19:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

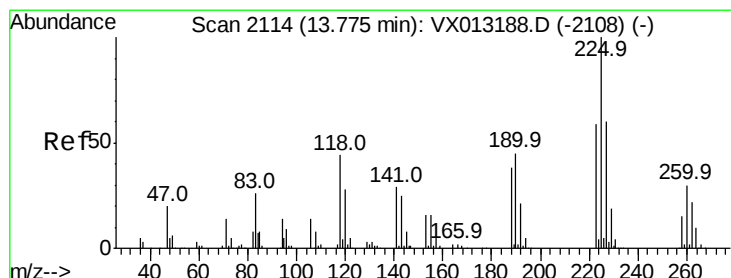
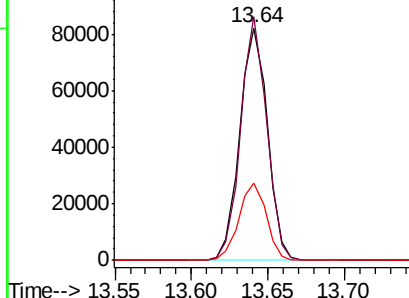
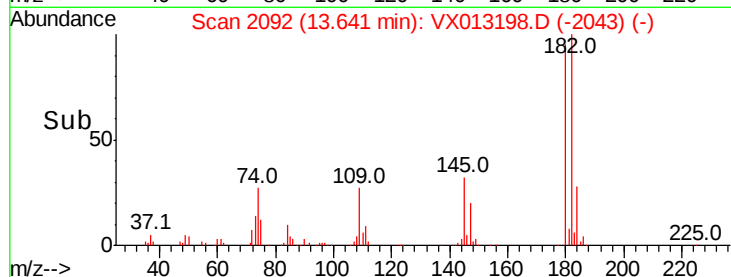
Tot Ion:	180	Resp:	103468
Ion Ratio	Lower	Upper	
180	100		
182	98.1	45.9	137.6
145	32.9	15.9	47.6

Manual Integrations
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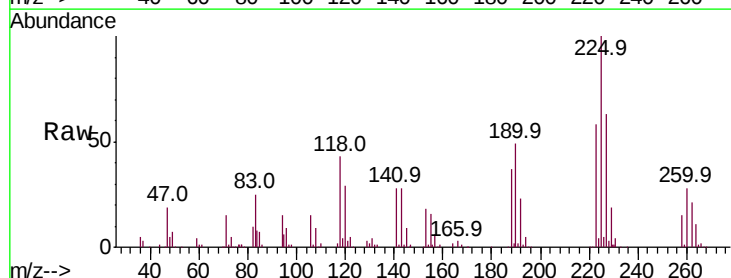


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

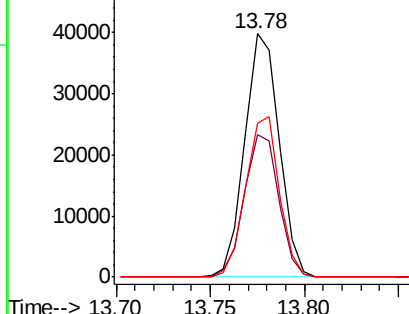
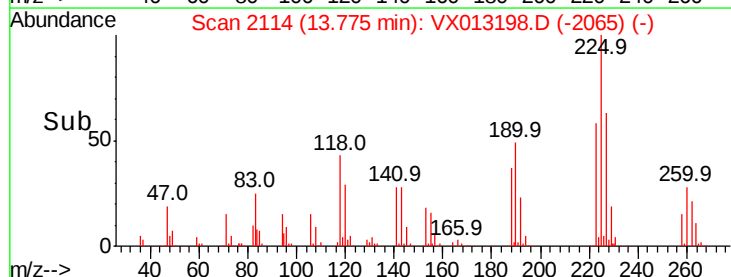


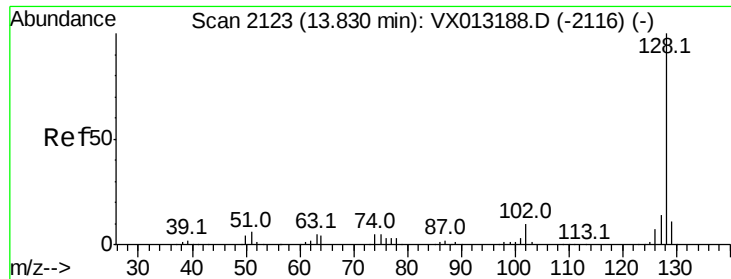
#94
 Hexachlorobutadiene
 Concen: 45.336 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX013198.D
 Acq: 23 Oct 2019 19:41

Tgt Ion:	225	Resp:	50645
Ion Ratio	Lower	Upper	
225	100		
223	58.7	30.9	92.5
227	64.3	30.3	90.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





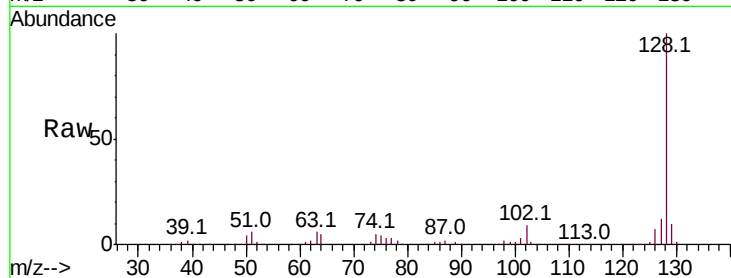
#95
Naphthalene
Concen: 52.578 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.7	16.1
129	10.8	8.6	13.0

Manual Integrations
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MMDadoda
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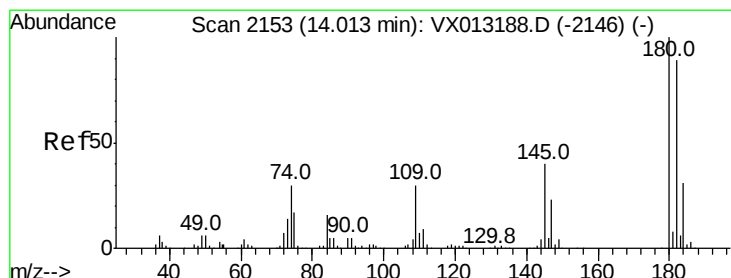
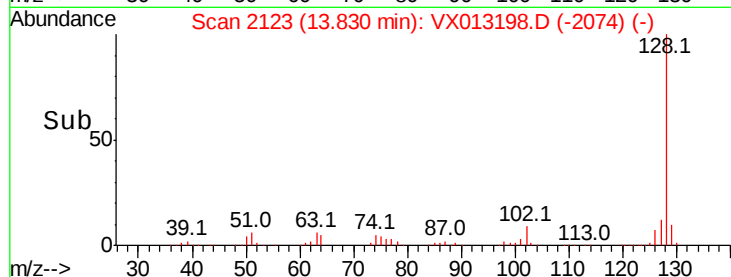
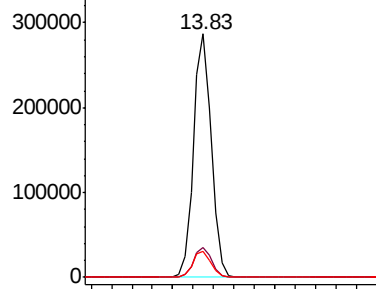


Abundance

Ion 128.00 (127.70 to 128.70): V

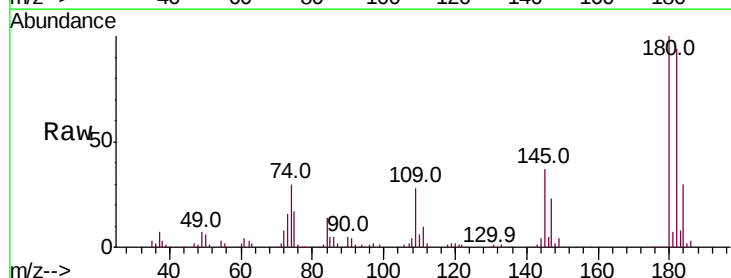
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 48.446 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX013198.D
Acq: 23 Oct 2019 19:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.3	144.9
145	36.6	18.6	55.6



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

