

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101819\
 Data File : VX013145.D
 Acq On : 18 Oct 2019 22:10
 Operator : JC/SP
 Sample : K5414-04MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-309-SRI4MSD

Manual Integrations
 APPROVED

MMDadoda
 10/21/2019 11:03:10 AM

Quant Time: Oct 19 05:51:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 07:26:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	134799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	226365	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	206324	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	95928	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	86699	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
35) Dibromofluoromethane	5.49	113	70259	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	
50) Toluene-d8	8.71	98	254570	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
62) 4-Bromofluorobenzene	11.14	95	103071	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	82917	60.346	ug/l	100
3) Chloromethane	1.32	50	75749	50.656	ug/l	96
4) Vinyl Chloride	1.40	62	79794	51.698	ug/l	98
5) Bromomethane	1.63	94	37478	58.414	ug/l	96
6) Chloroethane	1.70	64	49029	51.989	ug/l	98
7) Trichlorofluoromethane	1.92	101	125104	60.053	ug/l	98
8) Diethyl Ether	2.18	74	44462	52.876	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.37	101	73714	54.674	ug/l	98
10) Methyl Iodide	2.50	142	99553	63.635	ug/l	99
11) Tert butyl alcohol	3.04	59	104757	234.550	ug/l	99
12) 1,1-Dichloroethene	2.36	96	75731	55.594	ug/l	89
13) Acrolein	2.28	56	85499	269.373	ug/l	99
14) Allyl chloride	2.72	41	119671	49.330	ug/l	98
15) Acrylonitrile	3.13	53	215665	254.804	ug/l	100
16) Acetone	2.44	43	187447	211.073	ug/l	98
17) Carbon Disulfide	2.56	76	196047	50.473	ug/l	99
18) Methyl Acetate	2.76	43	100490	47.740	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	264345	56.193	ug/l	95
20) Methylene Chloride	2.84	84	86796	53.181	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	80077	54.846	ug/l	96
22) Diisopropyl ether	3.84	45	238535	51.314	ug/l	92
23) Vinyl Acetate	3.80	43	1020150	254.217	ug/l	99
24) 1,1-Dichloroethane	3.69	63	142734	54.580	ug/l	99
25) 2-Butanone	4.66	43	288630	234.265	ug/l	96
26) 2,2-Dichloropropane	4.57	77	108683	49.422	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	93341	55.462	ug/l	95
28) Bromochloromethane	5.00	49	38334	49.041	ug/l	90
29) Tetrahydrofuran	5.12	42	183738	242.343	ug/l	94
30) Chloroform	5.20	83	152364	56.781	ug/l	99
31) Cyclohexane	5.57	56	123218	50.389	ug/l	94
32) 1,1,1-Trichloroethane	5.48	97	133329	58.642	ug/l	98
36) 1,1-Dichloropropene	5.79	75	109403	54.970	ug/l	99
37) Ethyl Acetate	4.82	43	108790	48.885	ug/l	99
38) Carbon Tetrachloride	5.77	117	114432	59.072	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	127968	53.020	ug/l	98
40) Benzene	6.14	78	327692	55.748	ug/l	97
41) Methacrylonitrile	5.03	41	61877	50.600	ug/l	97
42) 1,2-Dichloroethane	6.19	62	122007	57.844	ug/l	98
43) Isopropyl Acetate	6.43	43	185840	52.028	ug/l	98
44) Trichloroethene	7.21	130	92209	56.569	ug/l	100
45) 1,2-Dichloropropane	7.51	63	81705	54.538	ug/l	97
46) Dibromomethane	7.65	93	57998	58.106	ug/l	96
47) Bromodichloromethane	7.89	83	116074	59.589	ug/l	99
48) Methyl methacrylate	7.76	41	90606	52.054	ug/l	96
49) 1,4-Dioxane	7.73	88	43530	934.295	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	572204	256.939	ug/l	97
52) Toluene	8.78	92	211156	56.150	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	123761	50.872	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	135227	56.445	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	85045	57.145	ug/l	98
56) Ethyl methacrylate	9.17	69	138472	51.889	ug/l	96
57) 1,3-Dichloropropane	9.37	76	143662	55.805	ug/l	99
59) 2-Hexanone	9.49	43	445391	256.920	ug/l	98
60) Dibromochloromethane	9.58	129	92562	55.672	ug/l	99
61) 1,2-Dibromoethane	9.67	107	91008	58.132	ug/l	99
64) Tetrachloroethene	9.33	164	90480	63.226	ug/l	95
65) Chlorobenzene	10.14	112	222907	54.404	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	85516	60.196	ug/l	99
67) Ethyl Benzene	10.25	91	406437	55.845	ug/l	100
68) m/p-Xylenes	10.36	106	304683	112.061	ug/l	99
69) o-Xylene	10.70	106	148890	56.155	ug/l	100
70) Stvrene	10.71	104	255233	56.625	ug/l	99
71) Bromoform	10.85	173	65084	53.542	ug/l	99
73) Isopropylbenzene	11.01	105	391929	55.571	ug/l	99
74) N-amyl acetate	10.89	43	158325	52.124	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	129154	55.058	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	121050m	56.893	ug/l	
77) Bromobenzene	11.25	156	94874	57.085	ug/l	97
78) n-propylbenzene	11.35	91	430724	55.501	ug/l	99
79) 2-Chlorotoluene	11.42	91	267842	54.916	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	336572	57.152	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	39183	47.572	ug/l	99
82) 4-Chlorotoluene	11.51	91	313996	56.167	ug/l	100
83) tert-Butylbenzene	11.77	119	330131	57.466	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	336454	56.411	ug/l	99
85) sec-Butylbenzene	11.94	105	369003	55.443	ug/l	98
86) p-Isopropyltoluene	12.06	119	344956	55.884	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	170811	55.345	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	166684	53.327	ug/l	99
89) n-Butylbenzene	12.39	91	272601	52.546	ug/l	98
90) Hexachloroethane	12.59	117	61071	53.274	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	172607	57.047	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	31735	57.720	ug/l	99
93) 1,2,4-Trichlorobenzene	13.64	180	103180	54.438	ug/l	100

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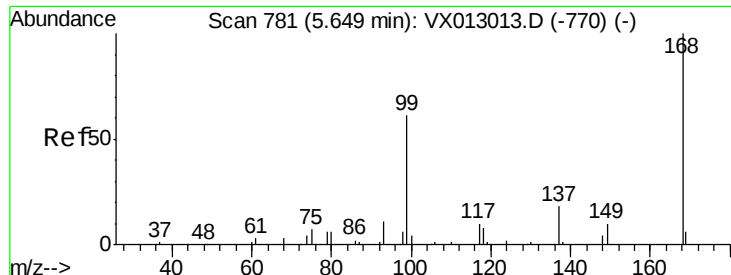
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	48765	55.750	ug/l	96
95) Naphthalene	13.83	128	329559	50.159	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	103036	52.606	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX013145.D

Acq: 18 Oct 2019 22:10

Instrument :

MSVOA_X

ClientSampleId :

MW-309-SRI4MSD

Tot Ion:168 Resp: 134799

Ion Ratio Lower Upper

168 100

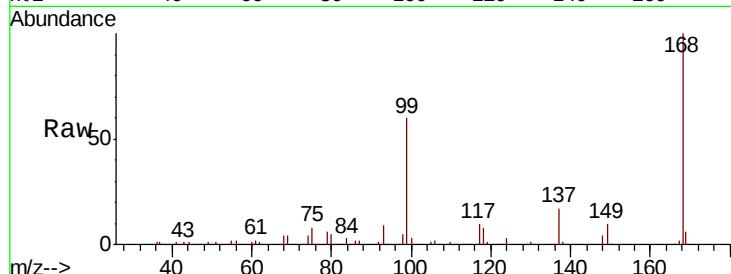
99 60.1 49.4 74.0

Manual Integrations

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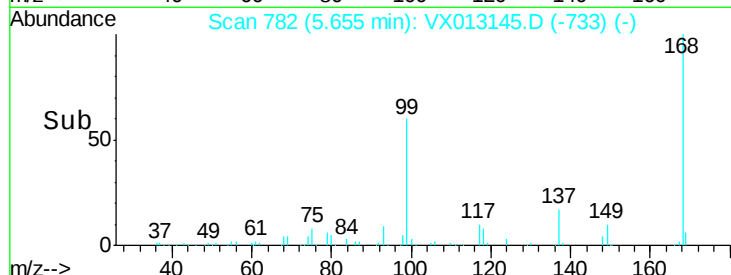


Abundance Ion 167.90 (167.60 to 168.60): V

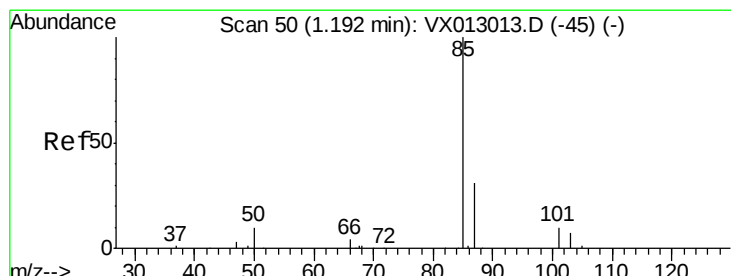
Ion 98.90 (98.60 to 99.60): VX0

5.65

5.50 5.60 5.70 5.80



Time-->



#2

Dichlorodifluoromethane

Concen: 60.346 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX013145.D

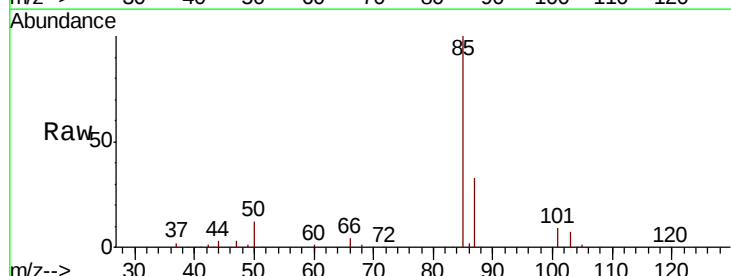
Acq: 18 Oct 2019 22:10

Tgt Ion: 85 Resp: 82917

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.4

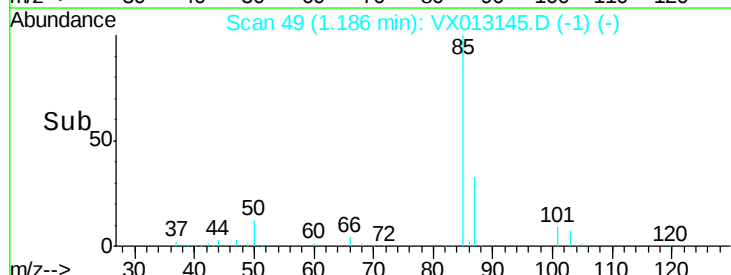


Abundance Ion 84.90 (84.60 to 85.60): VX0

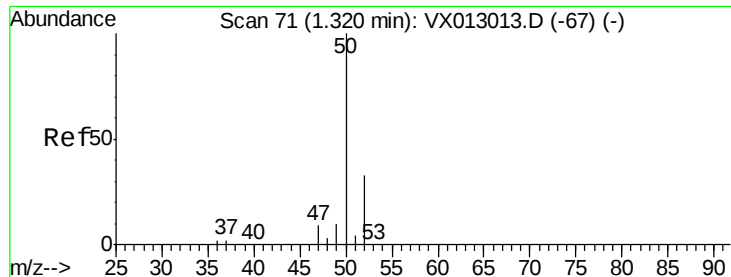
Ion 86.90 (86.60 to 87.60): VX0

1.19

1.15 1.20 1.25 1.30



Time-->



#3

Chloromethane

Concen: 50.656 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013145.D

Acq: 18 Oct 2019 22:10

Instrument :

MSVOA_X

ClientSampleId :

MW-309-SRI4MSD

Tot Ion: 50 Resp: 75749

Ion Ratio Lower Upper

50 100

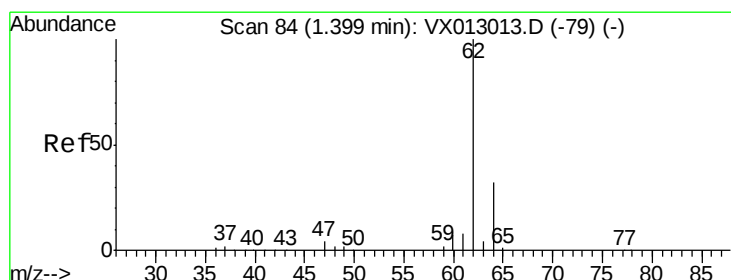
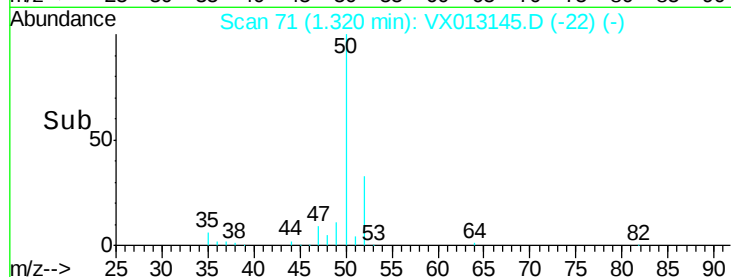
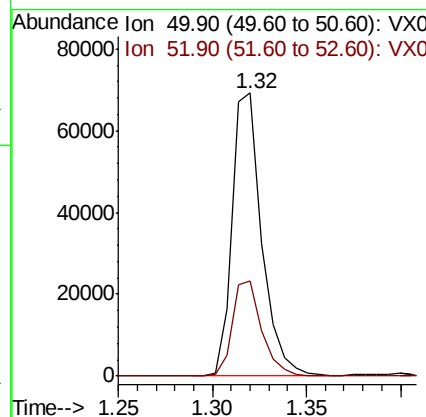
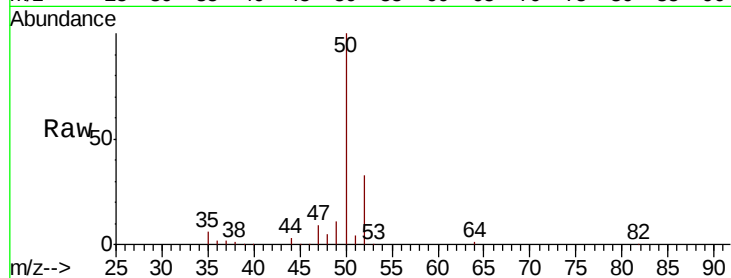
52 33.5 25.2 37.8

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#4

Vinyl Chloride

Concen: 51.698 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013145.D

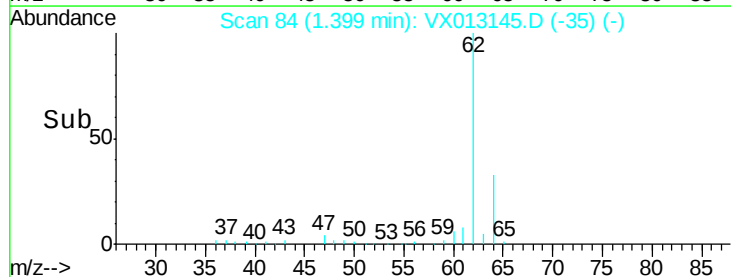
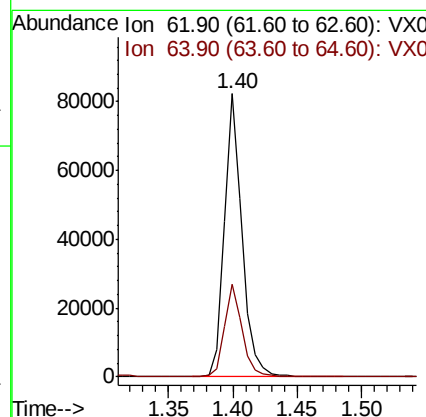
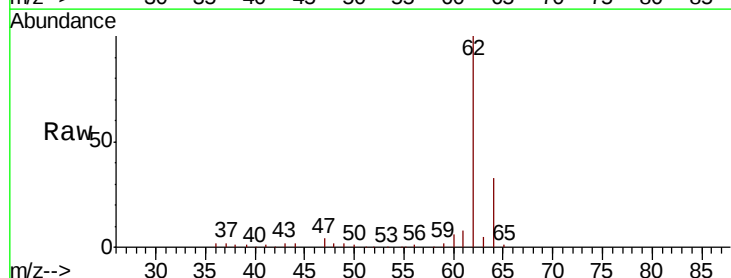
Acq: 18 Oct 2019 22:10

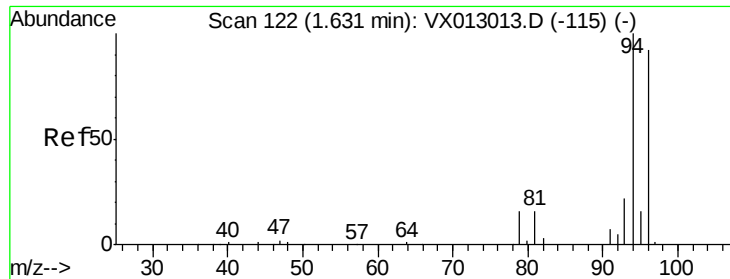
Tgt Ion: 62 Resp: 79794

Ion Ratio Lower Upper

62 100

64 32.5 25.3 37.9





#5

Bromomethane

Concen: 58.414 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX013145.D

Acq: 18 Oct 2019 22:10

Instrument :

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ClientSampleId :

MW-309-SRI4MSD

Tot Ion: 94 Resp: 37478

Ion Ratio Lower Upper

94 100

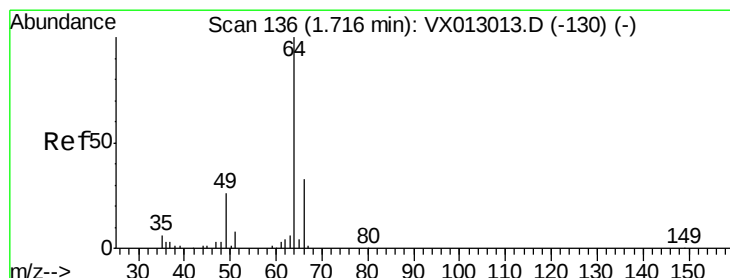
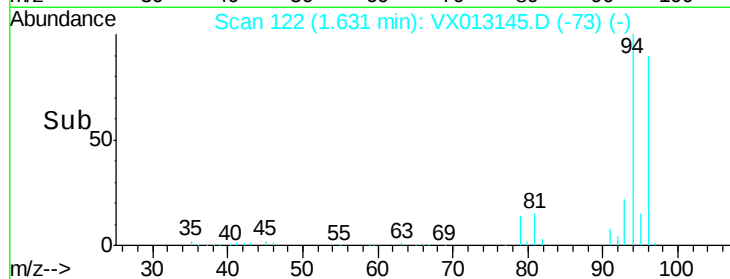
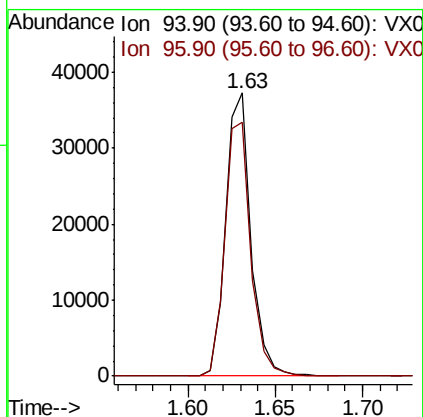
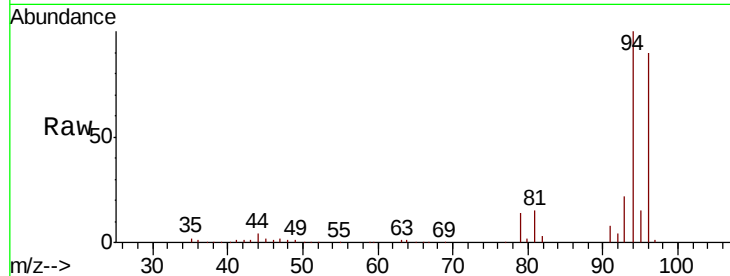
96 89.7 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 51.989 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX013145.D

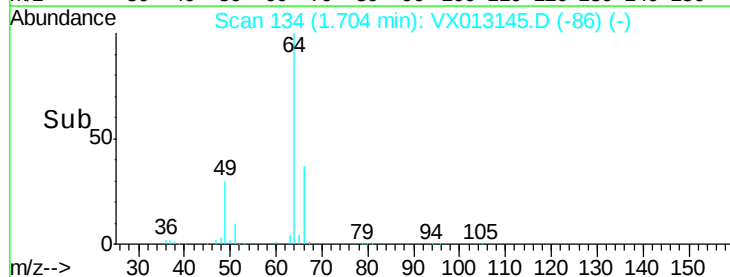
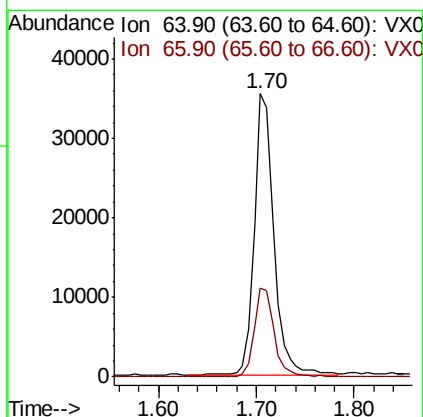
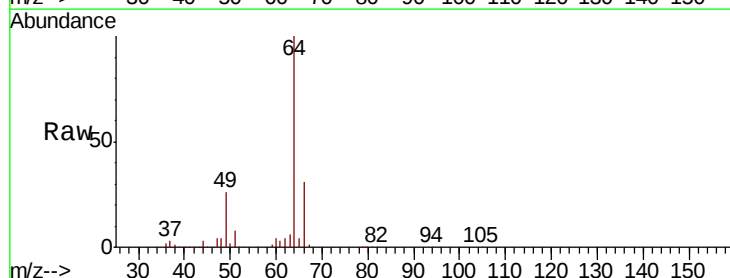
Acq: 18 Oct 2019 22:10

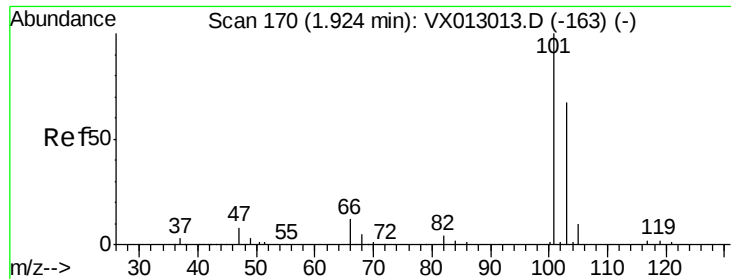
Tgt Ion: 64 Resp: 49029

Ion Ratio Lower Upper

64 100

66 31.2 25.6 38.4





#7

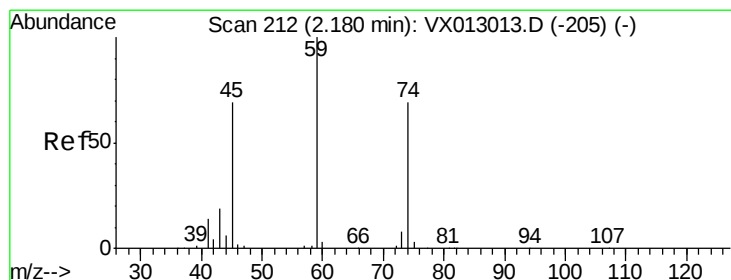
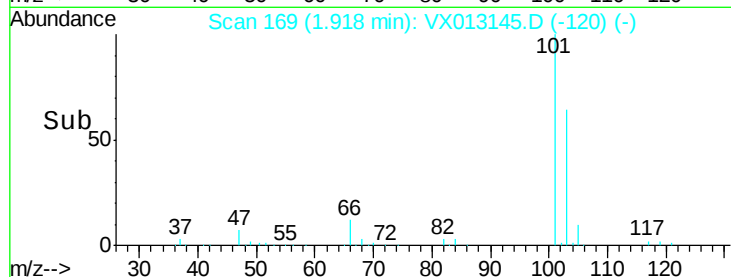
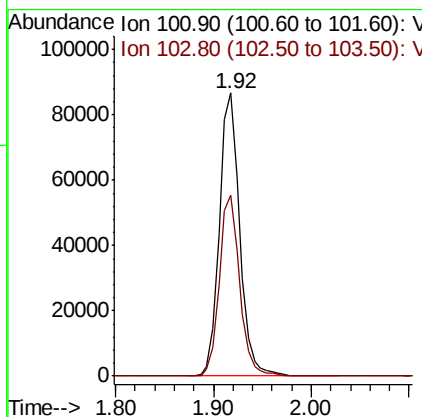
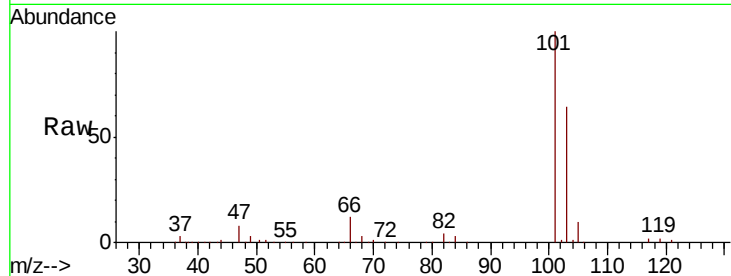
Trichlorofluoromethane
Concen: 60.053 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Instrument :
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ClientSampleId :
MW-309-SRI4MSD

Tot Ion:101 Resp: 125104
Ion Ratio Lower Upper
101 100
103 64.0 52.5 78.7

Manual Integrations
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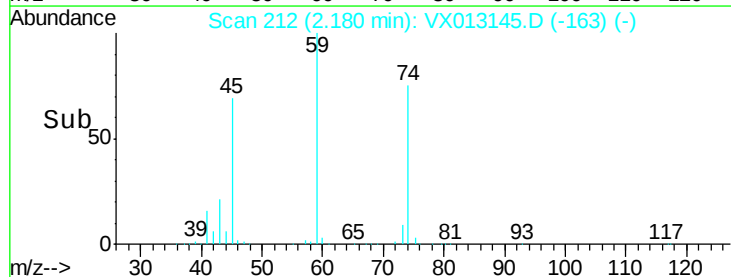
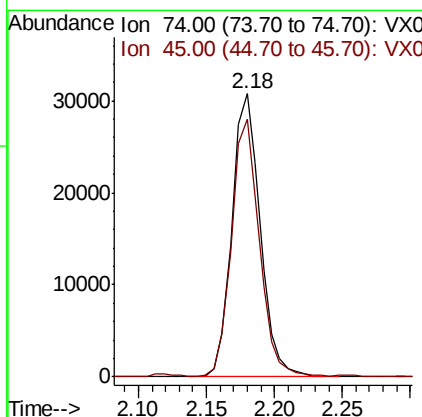
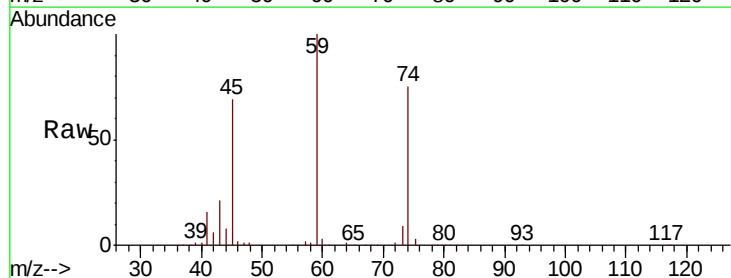
MMDadoda
10/21/2019 11:03:10 AM

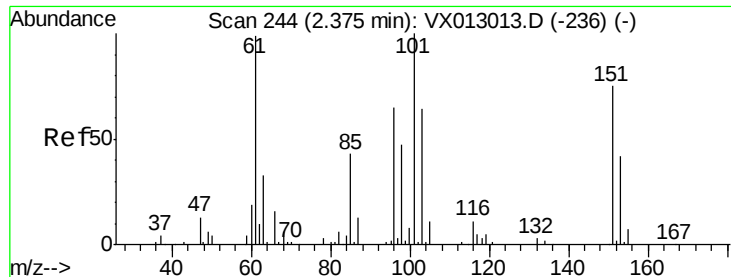


#8

Diethyl Ether
Concen: 52.876 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Tgt Ion: 74 Resp: 44462
Ion Ratio Lower Upper
74 100
45 89.5 47.8 143.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.674 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX013145.D

Acq: 18 Oct 2019 22:10

Instrument :

MSVOA_X

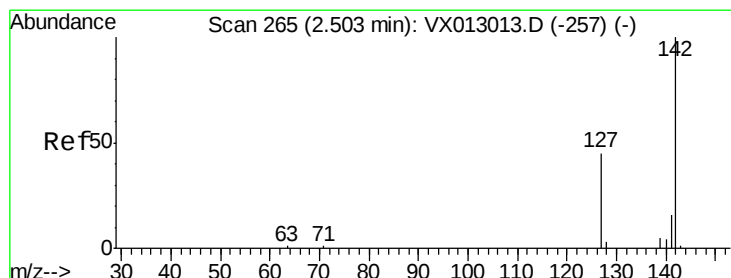
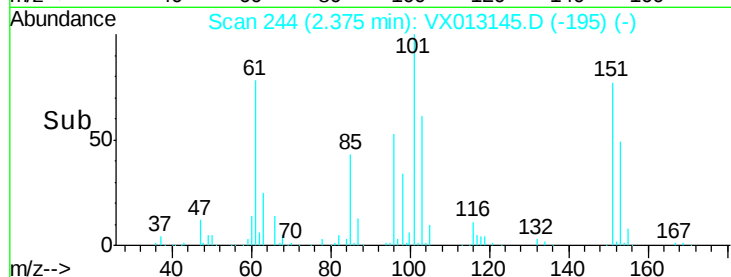
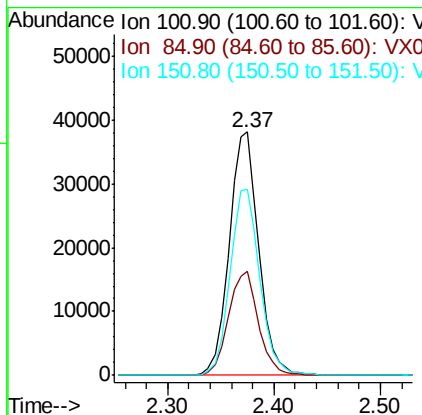
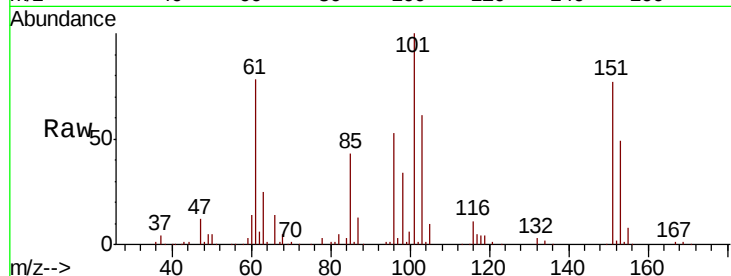
ClientSampleId :

MW-309-SRI4MSD

Tot Ion:	101	Resp:	73714
Ion Ratio	Lower	Upper	
101	100		
85	43.4	35.2	52.8
151	77.5	60.3	90.5

Manual Integrations
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10/21/2019 11:03:10 AM



#10

Methyl Iodide

Concen: 63.635 ug/l

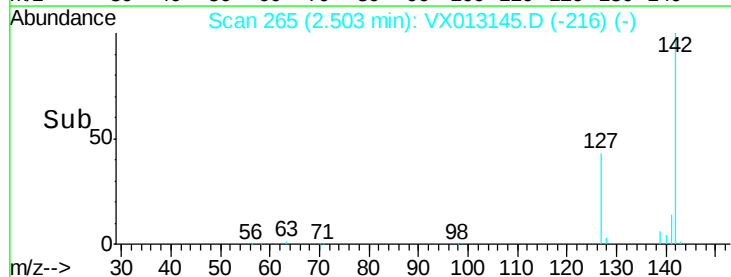
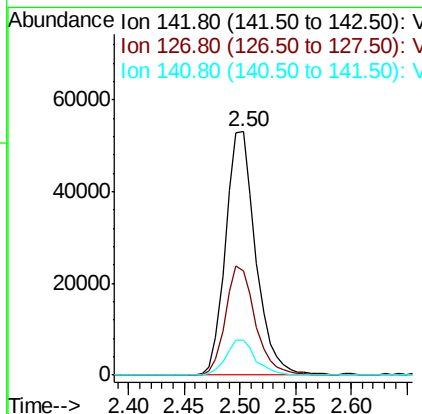
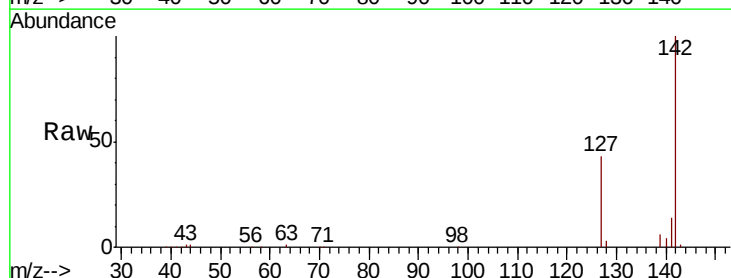
RT: 2.50 min Scan# 265

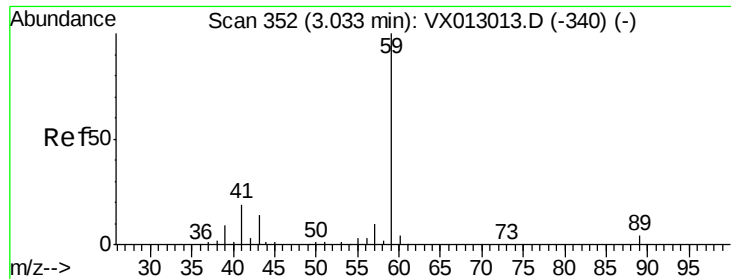
Delta R.T. 0.00 min

Lab File: VX013145.D

Acq: 18 Oct 2019 22:10

Tgt Ion:	142	Resp:	99553
Ion Ratio	Lower	Upper	
142	100		
127	44.3	34.9	52.3
141	14.1	11.6	17.4





#11

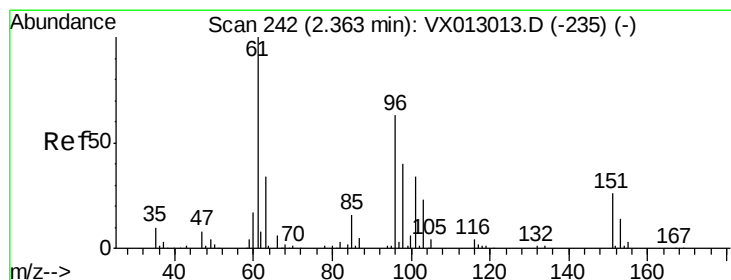
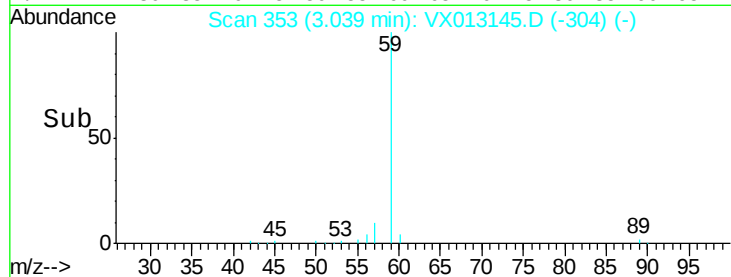
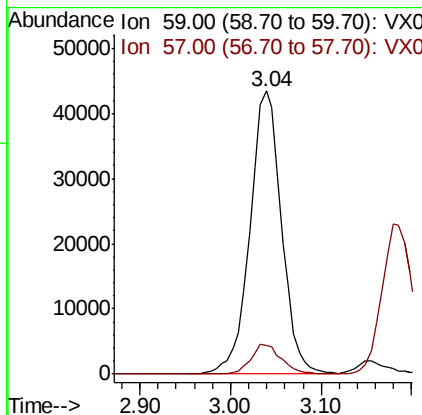
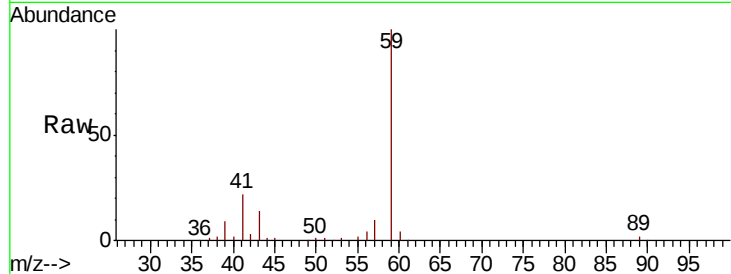
Tert butyl alcohol
 Concen: 234.550 ug/l
 RT: 3.04 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VX013145.D
 Acq: 18 Oct 2019 22:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-309-SRI4MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.3	12.5

Manual Integrations
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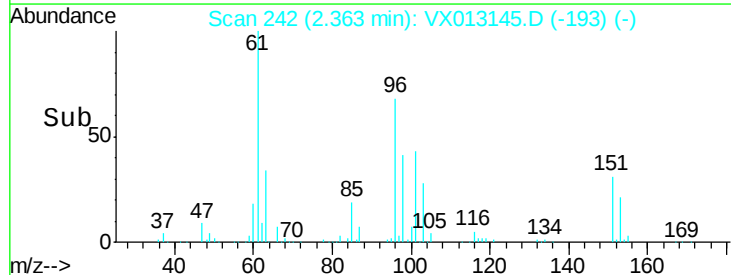
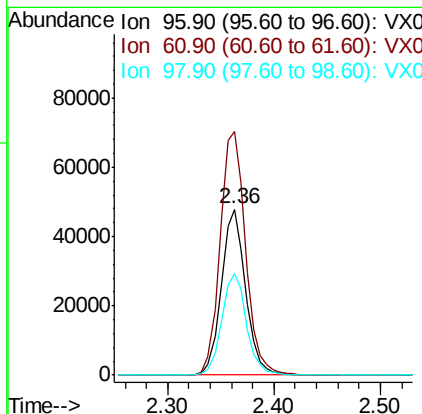
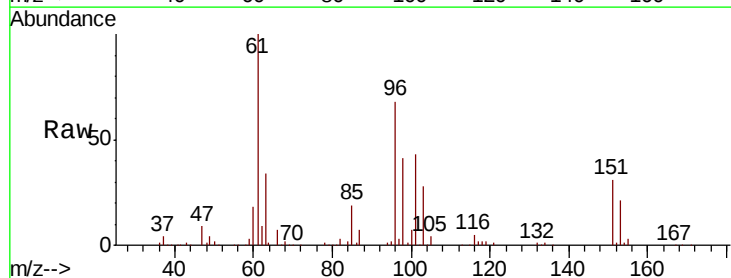
MMDadoda
 10/21/2019 11:03:10 AM

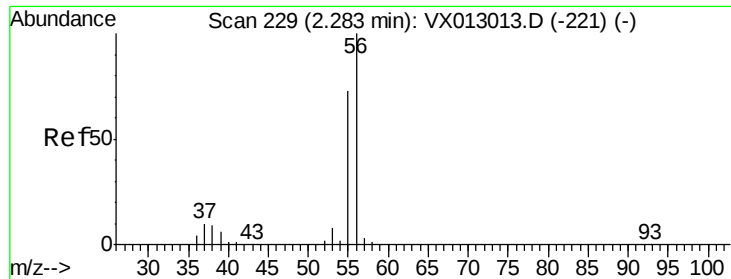


#12

1,1-Dichloroethene
 Concen: 55.594 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX013145.D
 Acq: 18 Oct 2019 22:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.8	132.2	198.4
98	60.8	50.5	75.7





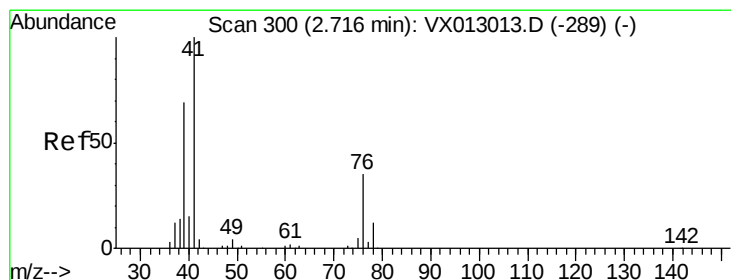
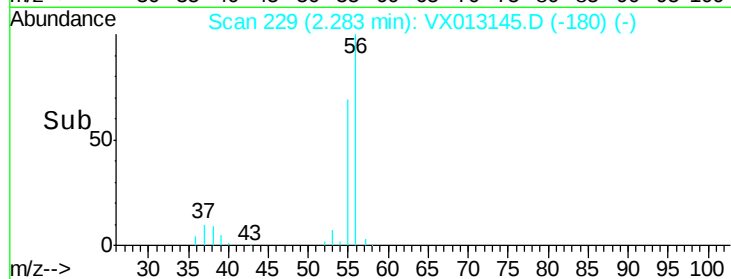
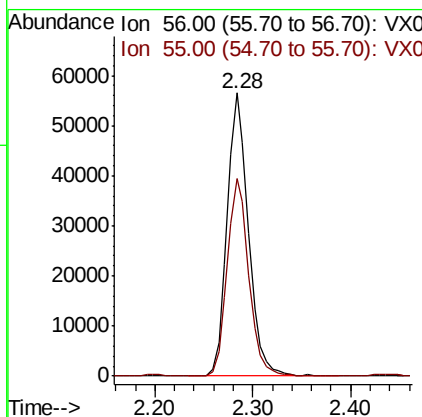
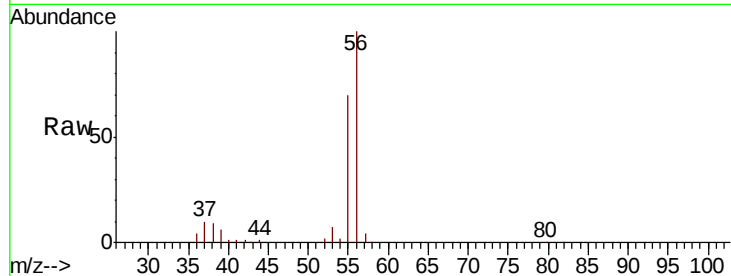
#13
Acrolein
Concen: 269.373 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Instrument :
MSVOA_X
ClientSampleId :
MW-309-SRI4MSD

Tot Ion	56	Resp	85499
Ion Ratio	Lower	Upper	
56	100		
55	70.2	56.6	85.0

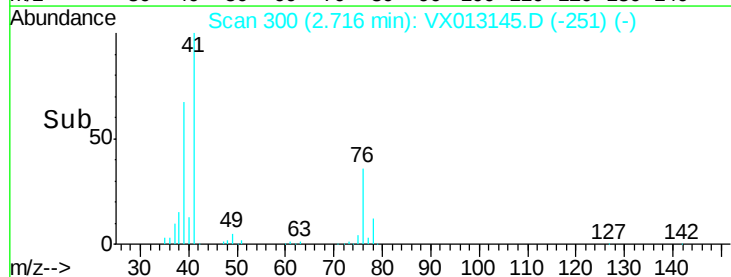
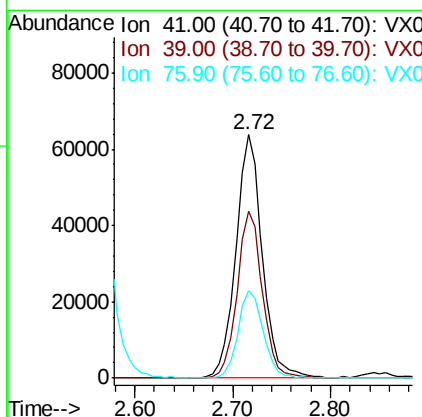
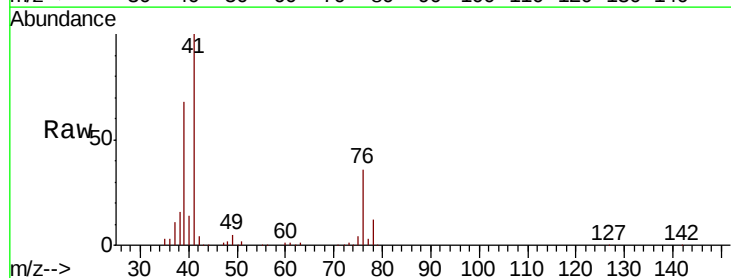
Manual Integrations
APPROVED

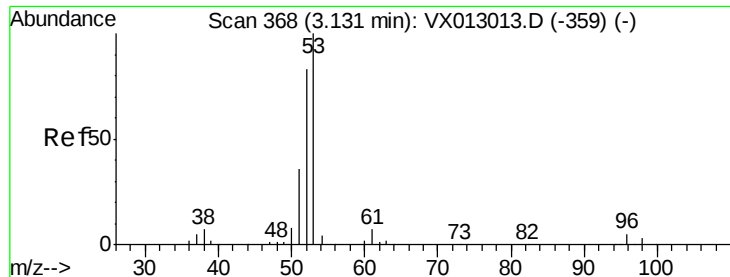
MMDadoda
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#14
Allyl chloride
Concen: 49.330 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Tgt Ion	41	Resp	119671
Ion Ratio	Lower	Upper	
41	100		
39	65.5	51.0	76.6
76	34.6	26.2	39.4





#15

Acrylonitrile

Concen: 254.804 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.01 min

Lab File: VX013145.D

Acq: 18 Oct 2019 22:10

Instrument :

MSVOA_X

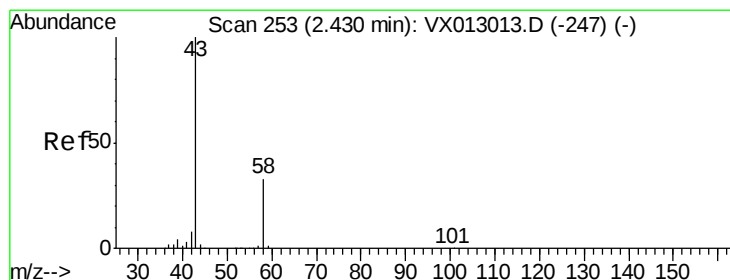
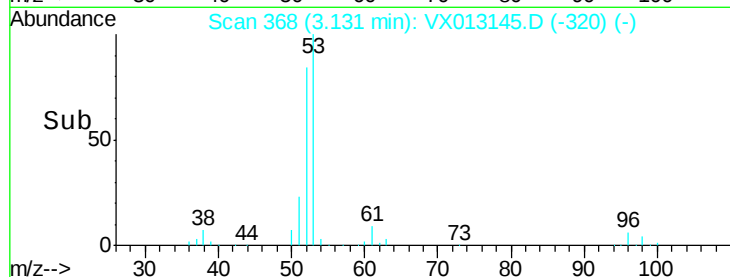
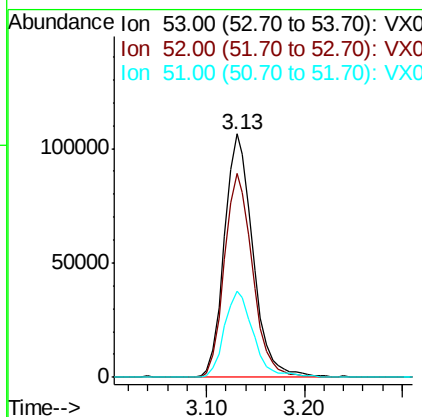
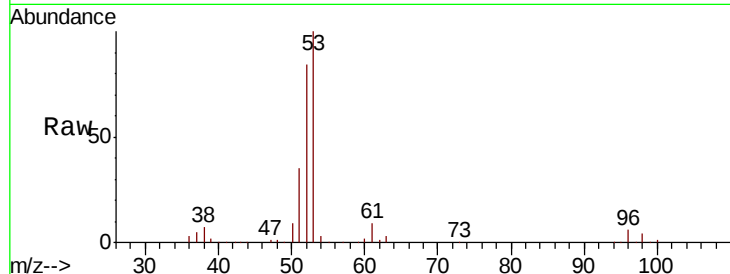
ClientSampleId :

MW-309-SRI4MSD

Tot Ion:	53	Resp:	215665
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.2	99.2
51	35.7	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 211.073 ug/l

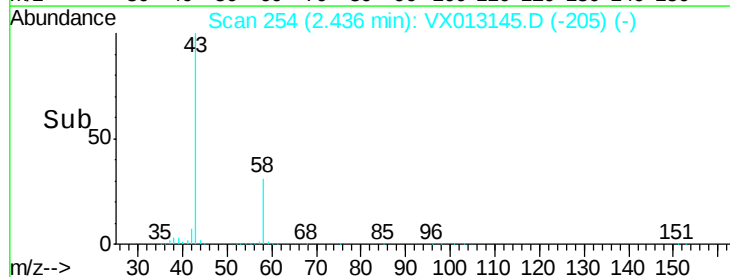
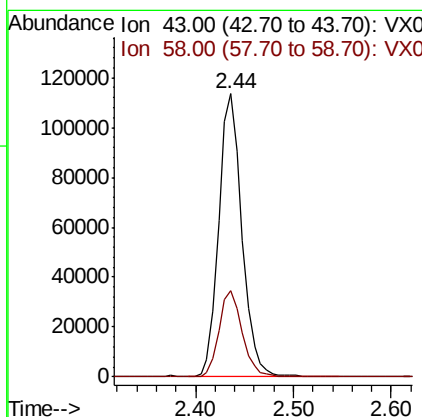
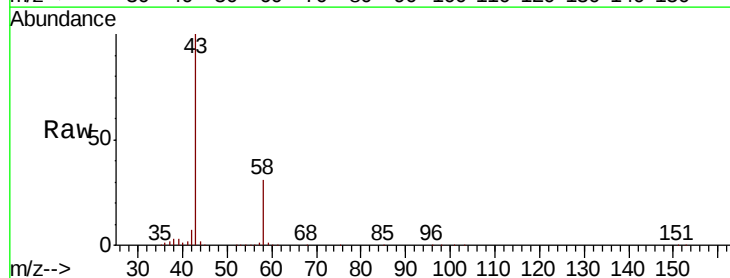
RT: 2.44 min Scan# 254

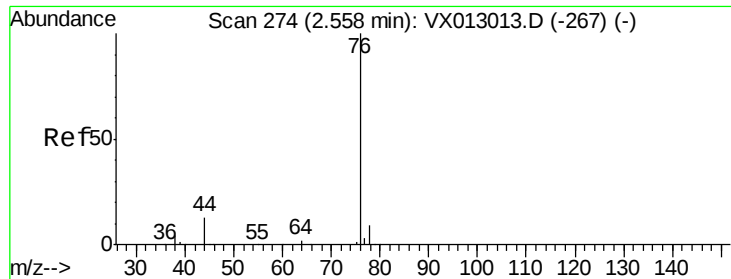
Delta R.T. 0.00 min

Lab File: VX013145.D

Acq: 18 Oct 2019 22:10

Tgt Ion:	43	Resp:	187447
Ion Ratio	Lower	Upper	
43	100		
58	30.6	25.4	38.2





#17

Carbon Disulfide

Concen: 50.473 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX013145.D

Acq: 18 Oct 2019 22:10

Instrument :

MSVOA_X

ClientSampleId :

MW-309-SRI4MSD

Tot Ion: 76 Resp: 196047

Ion Ratio Lower Upper

76 100

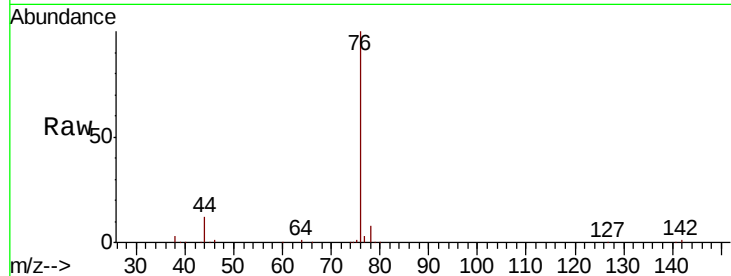
78 8.5 7.1 10.7

Manual Integrations

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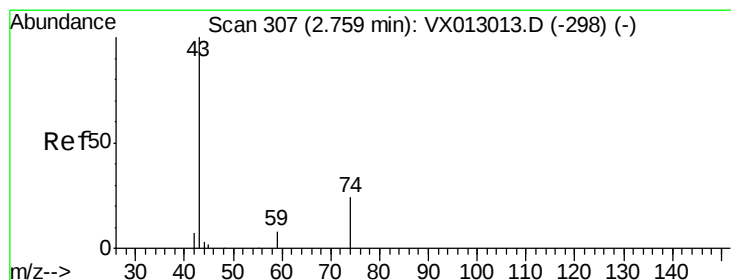
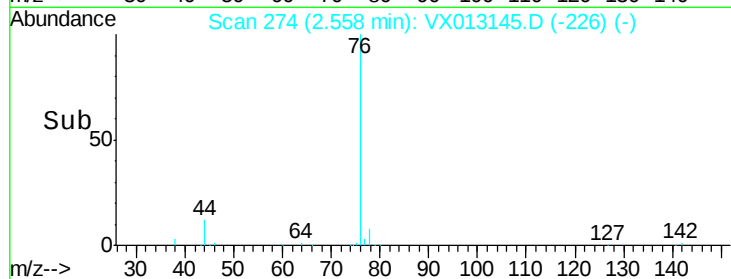
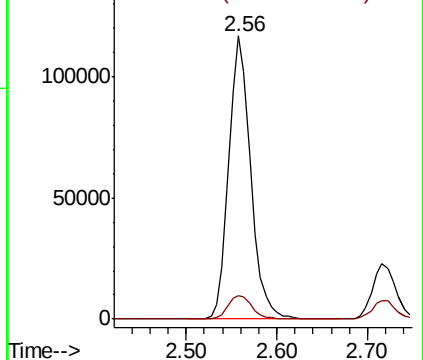
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 47.740 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX013145.D

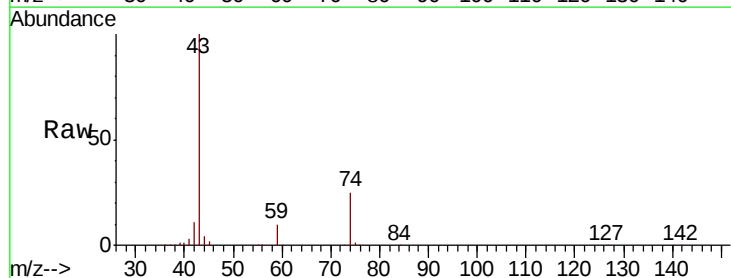
Acq: 18 Oct 2019 22:10

Tgt Ion: 43 Resp: 100490

Ion Ratio Lower Upper

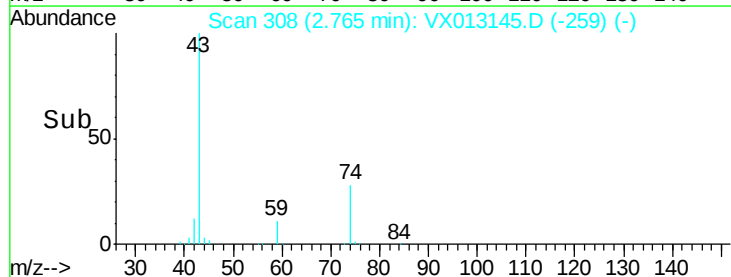
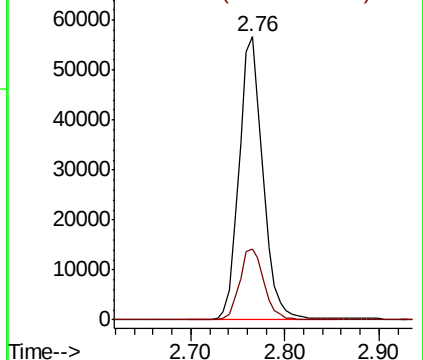
43 100

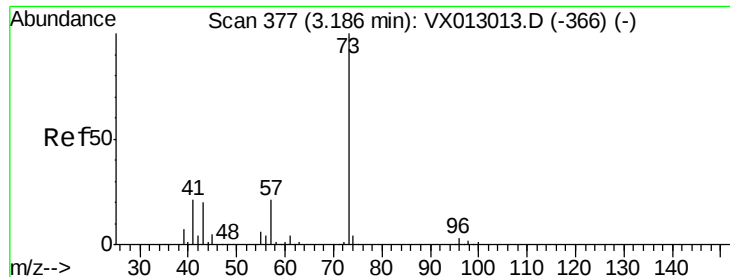
74 25.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





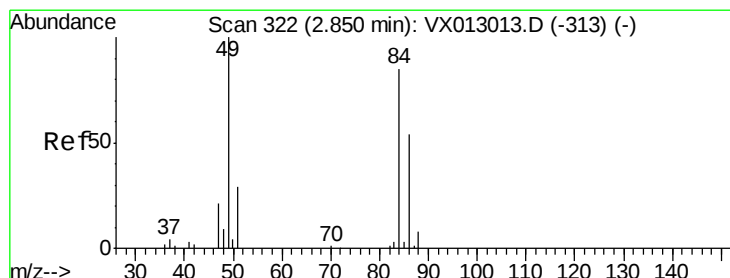
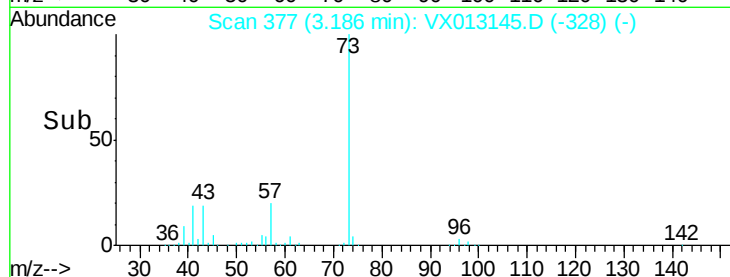
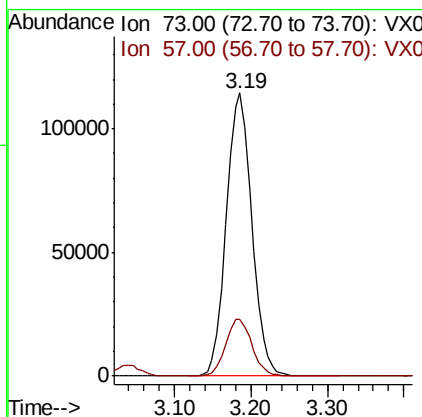
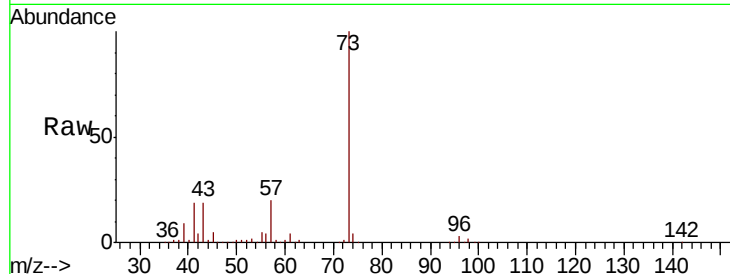
#19
Methvl tert-butvl Ether
Concen: 56.193 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Instrument :
MSVOA_X
ClientSampleId :
MW-309-SRI4MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.0	17.8	26.6

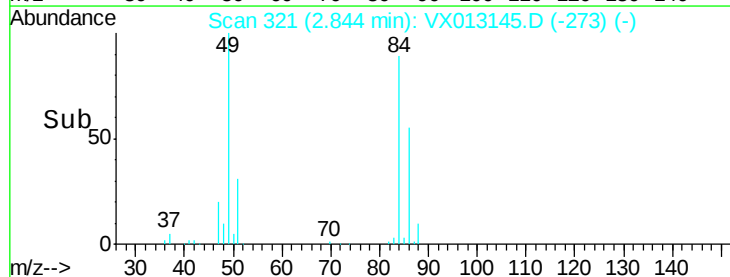
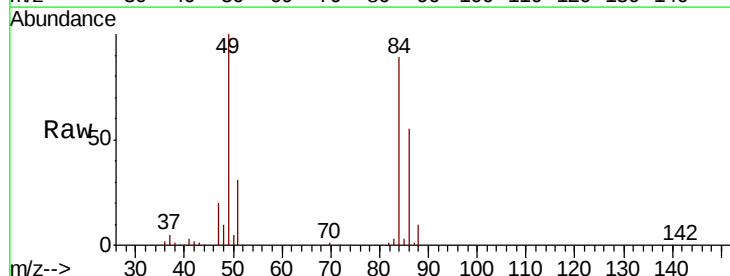
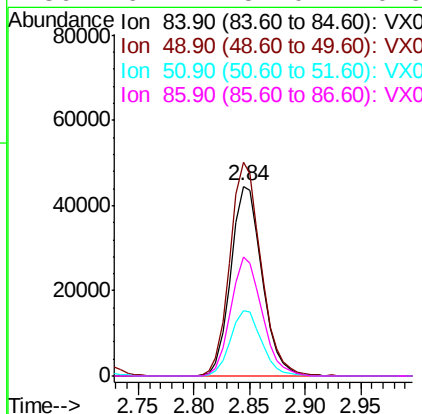
Manual Integrations
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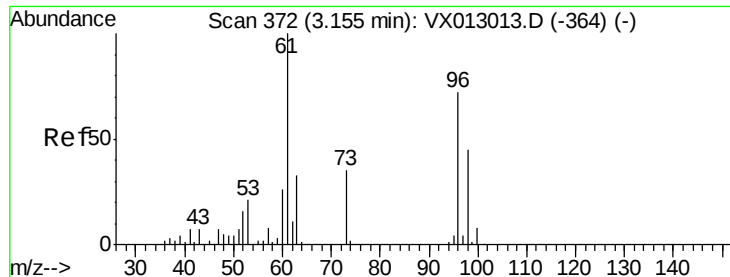
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#20
Methylene Chloride
Concen: 53.181 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.5	96.6	144.8
51	34.6	30.7	46.1
86	62.4	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 54.846 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013145.D

Acq: 18 Oct 2019 22:10

Instrument :

MSVOA_X

ClientSampleId :

MW-309-SRI4MSD

Tot Ion: 96 Resp: 80077

Ion Ratio Lower Upper

96 100

61 132.8 110.4 165.6

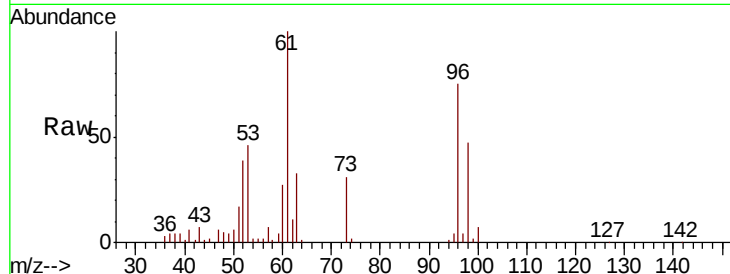
98 62.5 51.5 77.3

Manual Integrations

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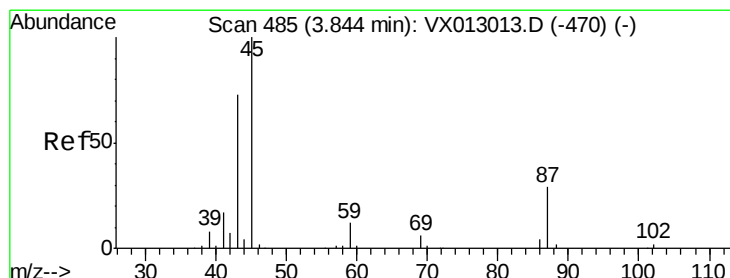
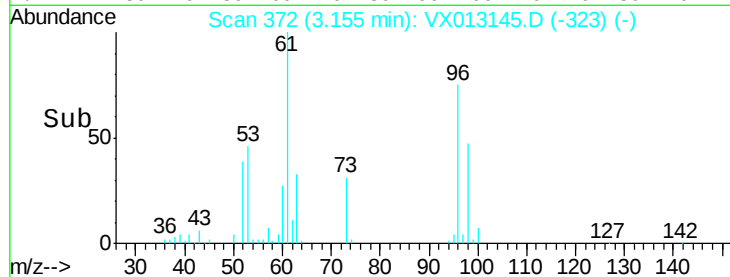
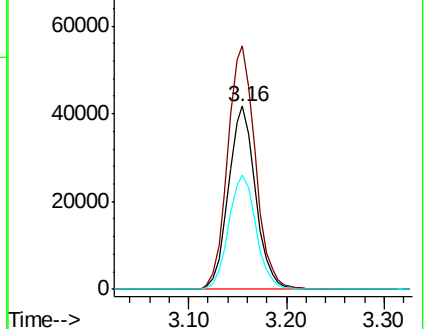
10/21/2019 11:03:10 AM



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: 51.314 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.01 min

Lab File: VX013145.D

Acq: 18 Oct 2019 22:10

Tgt Ion: 45 Resp: 238535

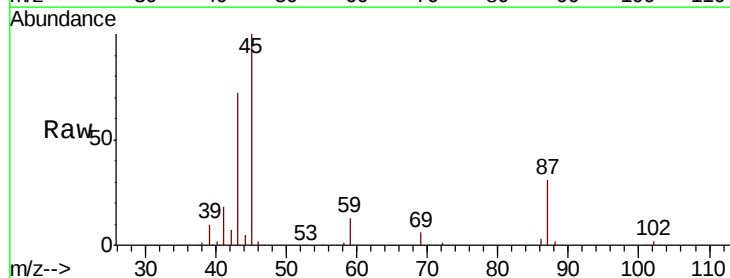
Ion Ratio Lower Upper

45 100

43 71.7 51.4 77.0

87 30.9 22.5 33.7

59 13.2 9.7 14.5

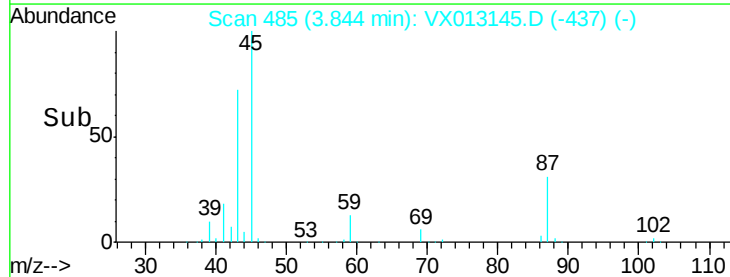
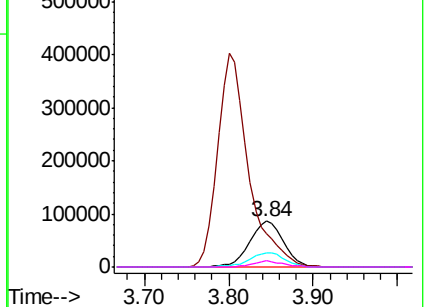


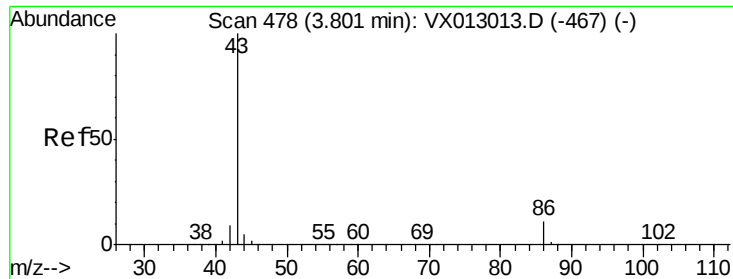
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 254.217 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX013145.D

Acq: 18 Oct 2019 22:10

Instrument :

MSVOA_X

ClientSampleId :

MW-309-SRI4MSD

Tot Ion: 43 Resp: 1020150

Ion Ratio Lower Upper

43 100

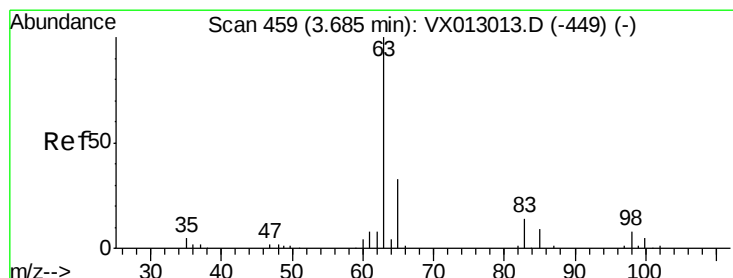
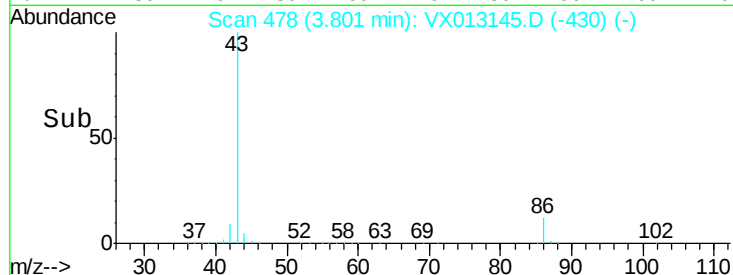
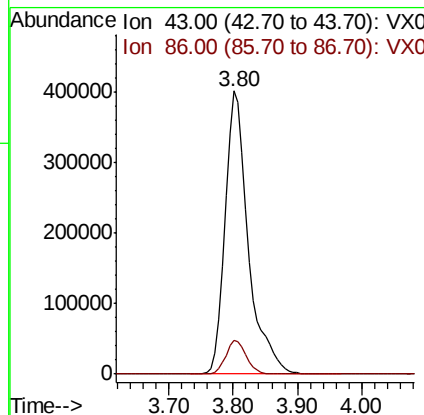
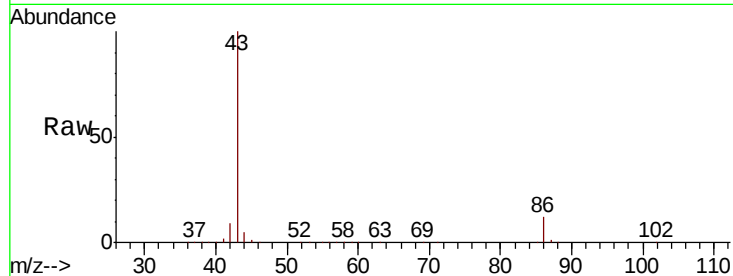
86 11.9 9.0 13.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 54.580 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013145.D

Acq: 18 Oct 2019 22:10

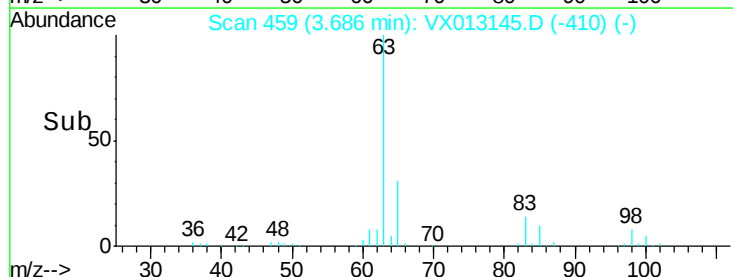
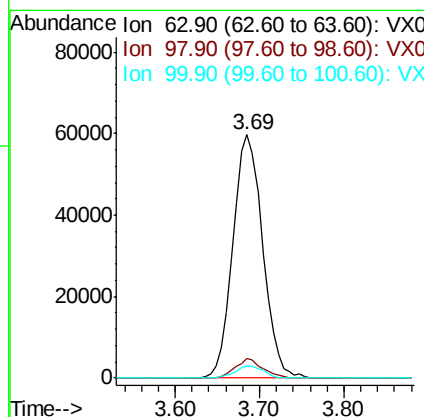
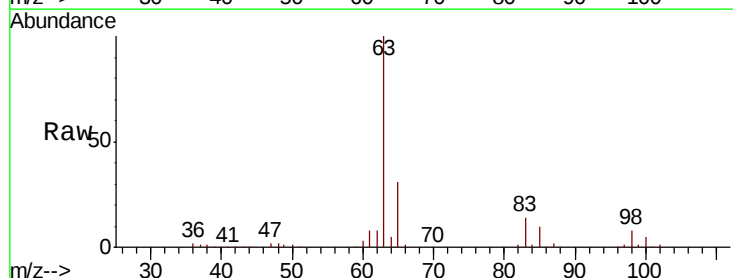
Tgt Ion: 63 Resp: 142734

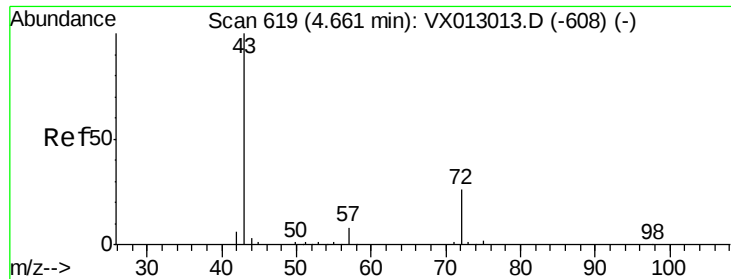
Ion Ratio Lower Upper

63 100

98 7.9 3.9 11.5

100 4.8 2.3 6.9





#25

2-Butanone

Concen: 234.265 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX013145.D

Acq: 18 Oct 2019 22:10

Instrument :

MSVOA_X

ClientSampleId :

MW-309-SRI4MSD

Tot Ion: 43 Resp: 288630

Ion Ratio Lower Upper

43 100

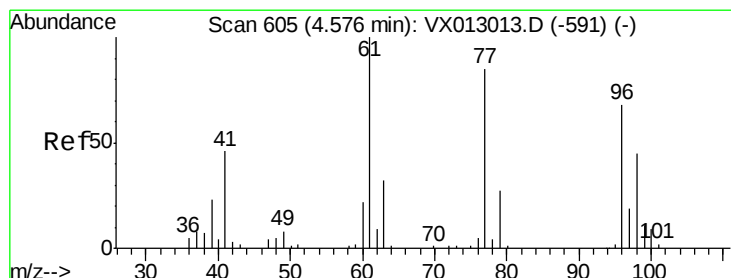
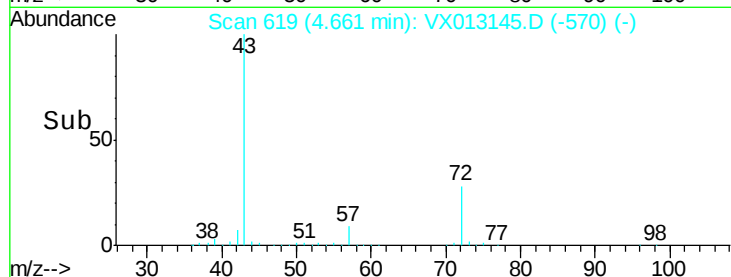
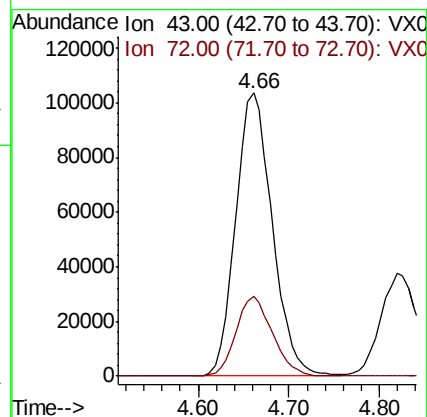
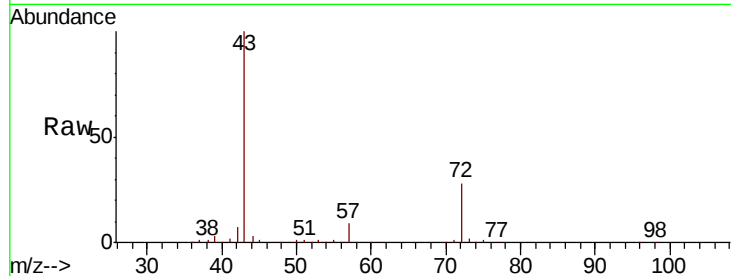
72 28.2 21.0 31.6

Manual Integrations

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MMDadoda

10/21/2019 11:03:10 AM



#26

2,2-Dichloropropane

Concen: 49.422 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX013145.D

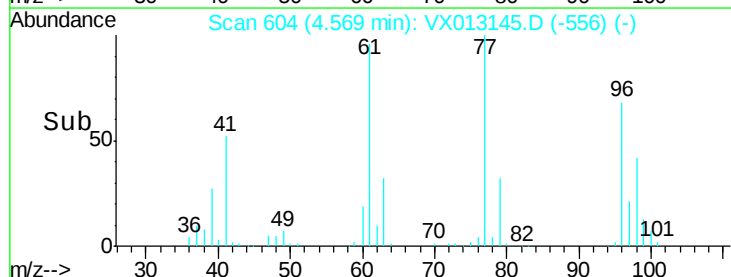
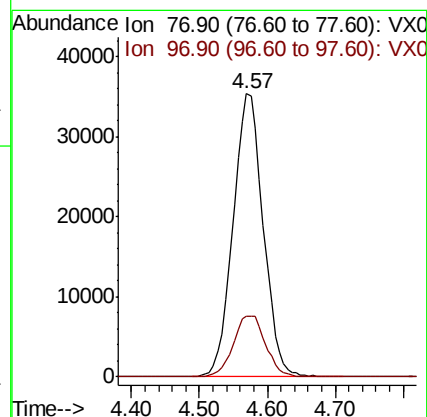
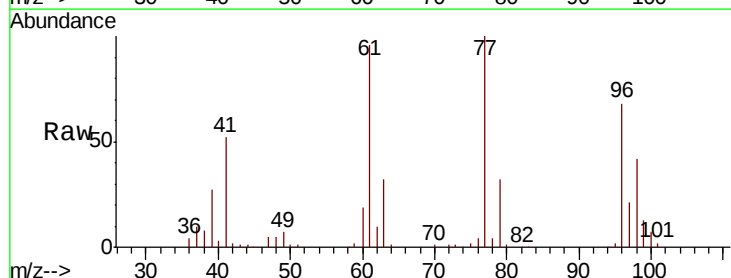
Acq: 18 Oct 2019 22:10

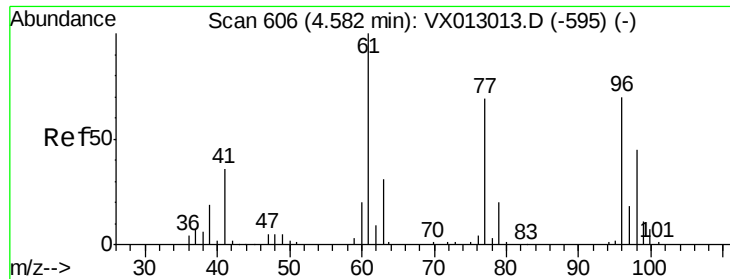
Tgt Ion: 77 Resp: 108683

Ion Ratio Lower Upper

77 100

97 23.0 11.3 33.9





#27

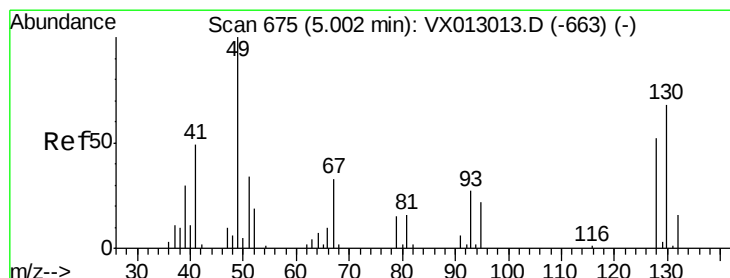
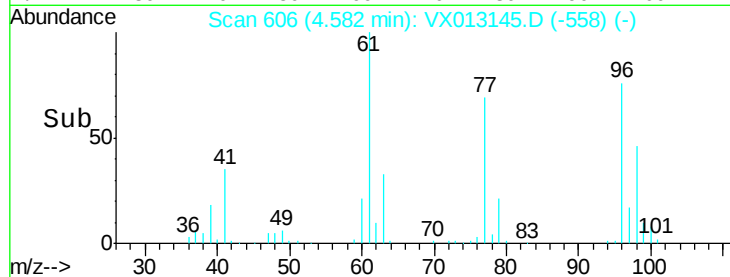
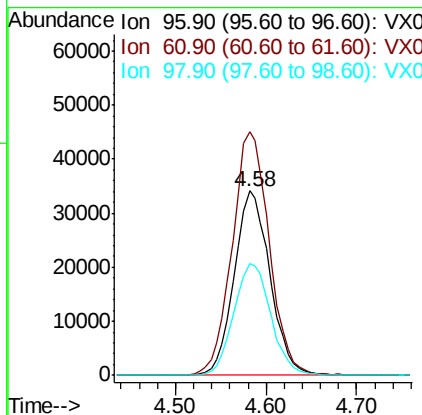
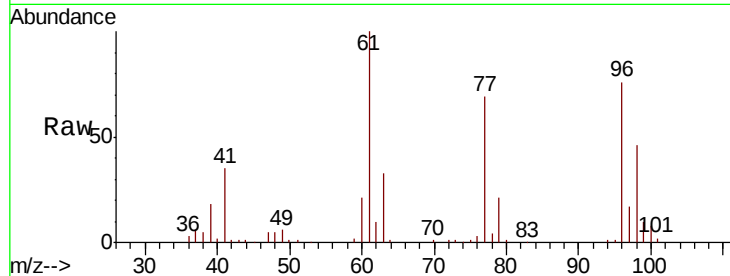
cis-1,2-Dichloroethene
Concen: 55.462 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Instrument :
MSVOA_X
ClientSampleId :
MW-309-SRI4MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.2	0.0	290.6
98	62.5	0.0	128.8

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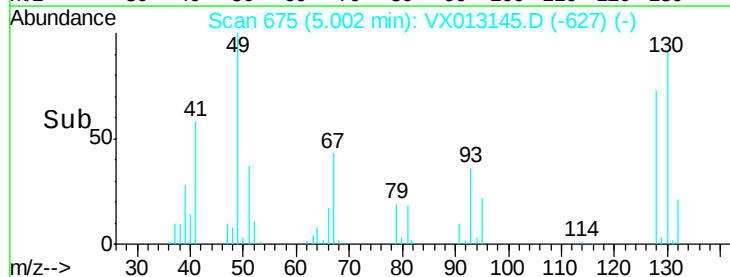
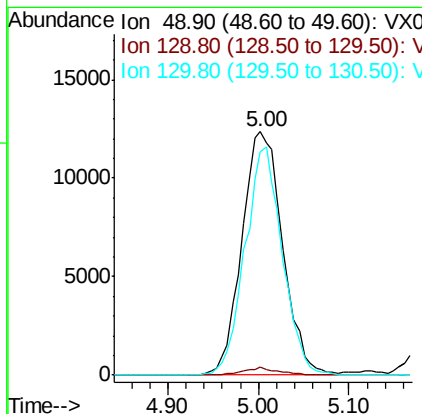
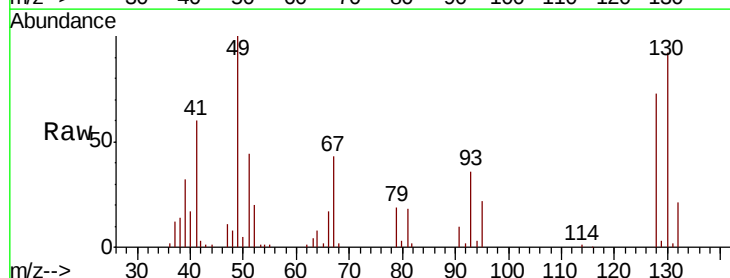
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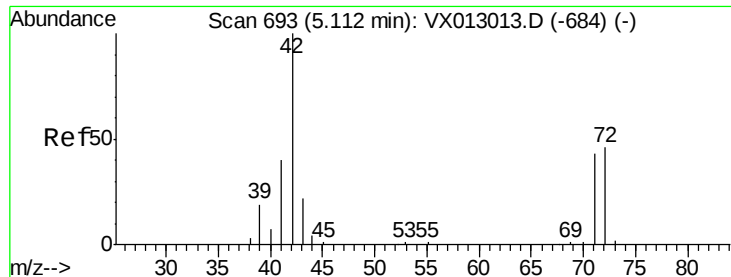


#28

Bromochloromethane
Concen: 49.041 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.2
130	86.1	62.1	93.1





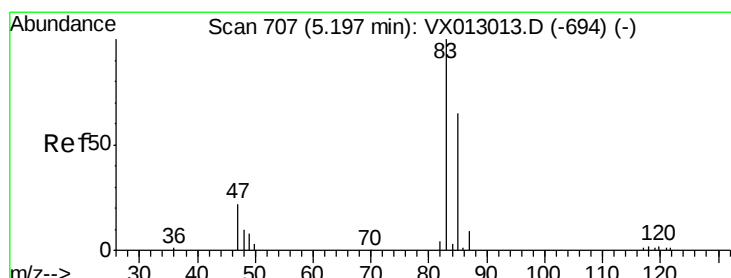
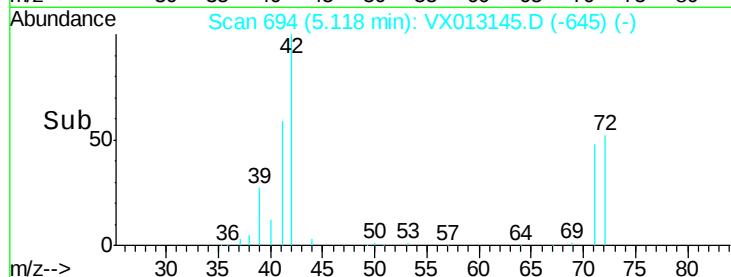
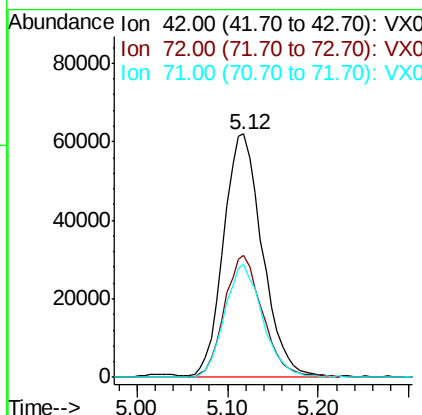
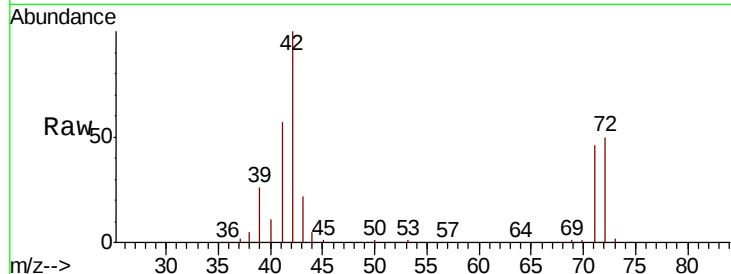
#29
Tetrahydrofuran
Concen: 242.343 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.00 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Instrument :
MSVOA_X
ClientSampleId :
MW-309-SRI4MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.2	36.9	55.3
71	46.0	33.5	50.3

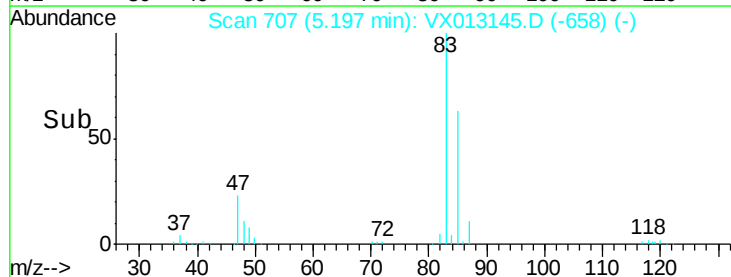
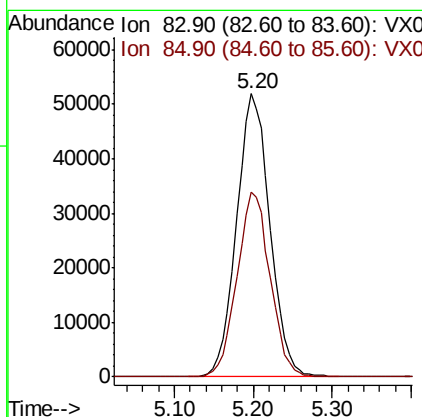
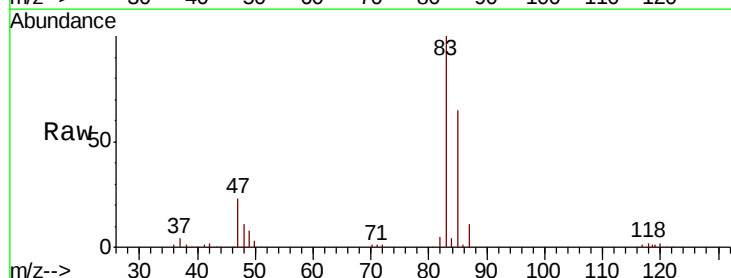
Manual Integrations
APPROVED

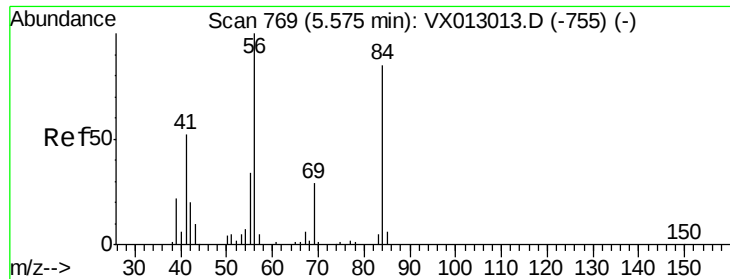
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#30
Chloroform
Concen: 56.781 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.5	77.3





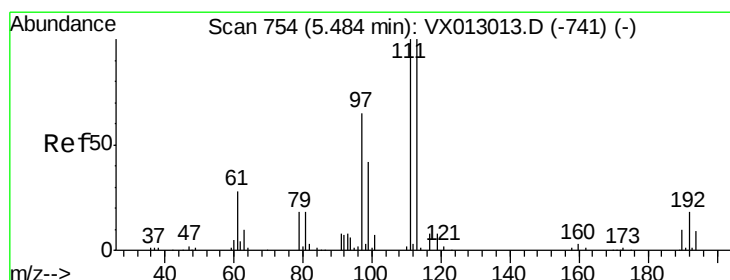
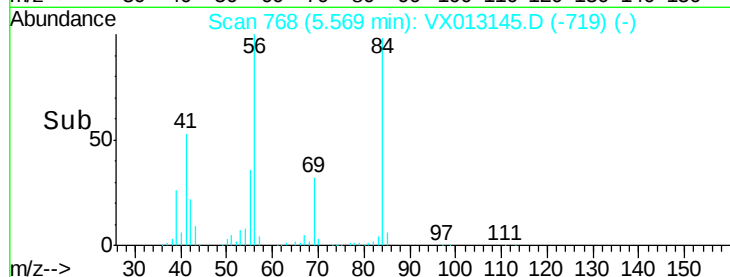
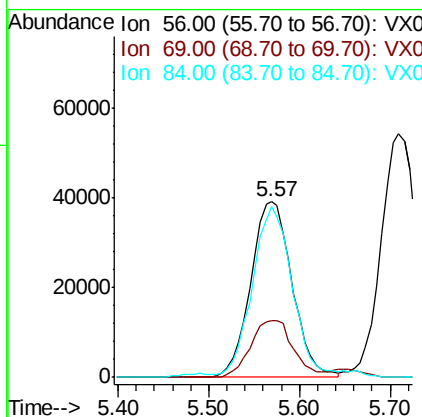
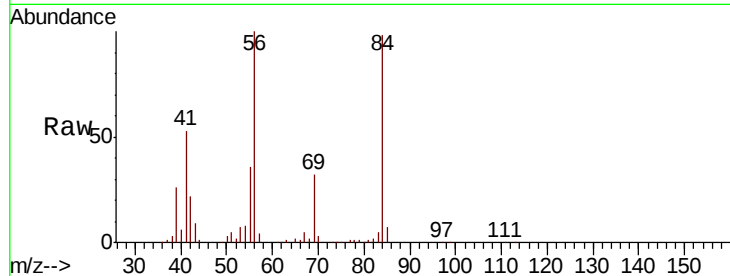
#31
Cyclohexane
Concen: 50.389 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Instrument :
MSVOA_X
ClientSampleId :
MW-309-SRI4MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.2	37.8
84	95.8	71.3	106.9

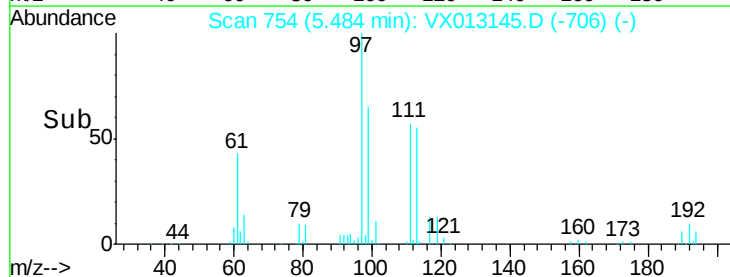
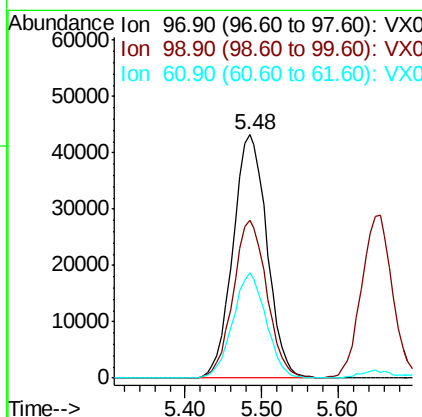
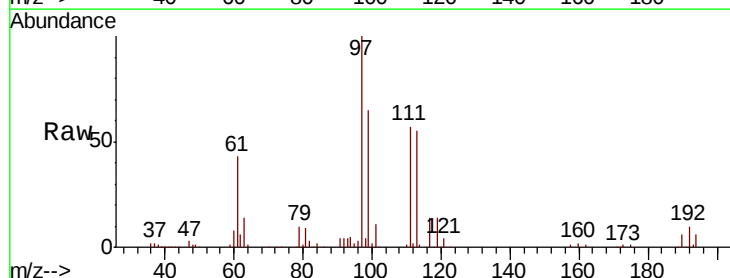
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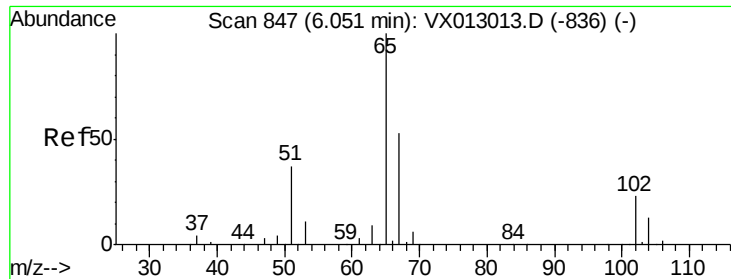
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#32
1,1,1-Trichloroethane
Concen: 58.642 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.3	78.5
61	42.2	35.0	52.4





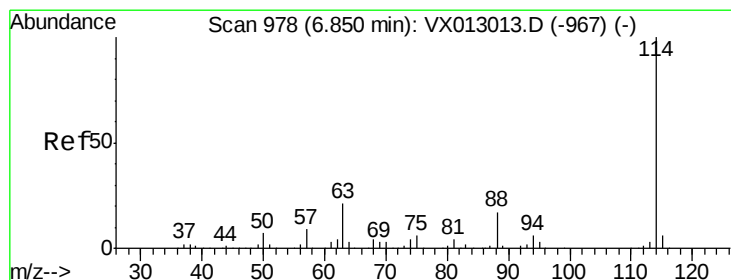
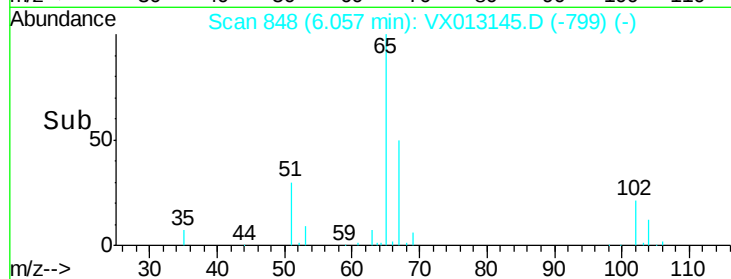
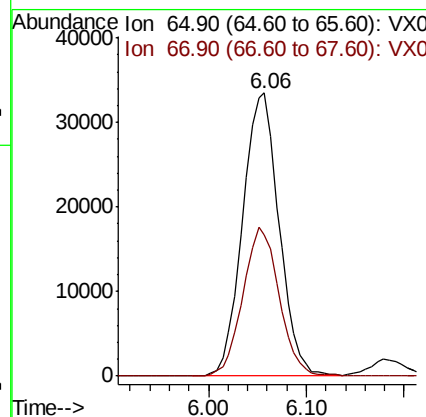
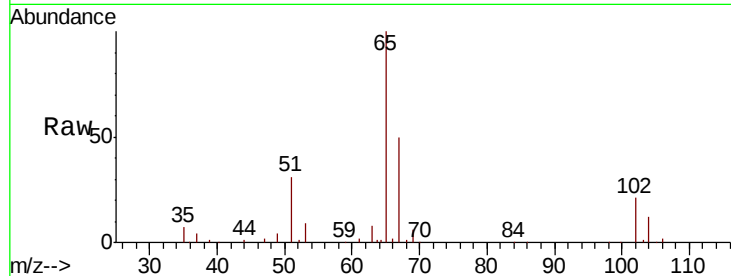
#33
 1,2-Dichloroethane-d4
 Concen: 51.459 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.00 min
 Lab File: VX013145.D
 Acq: 18 Oct 2019 22:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-309-SRI4MSD

Tot Ion: 65 Resp: 86699
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.4

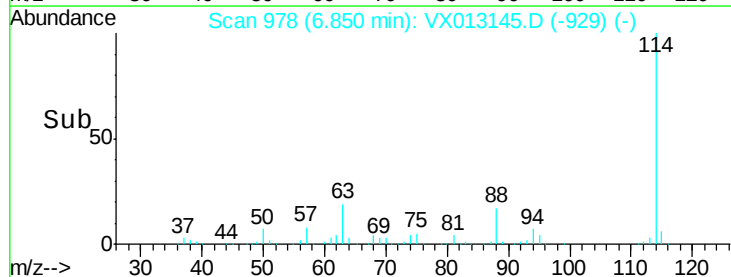
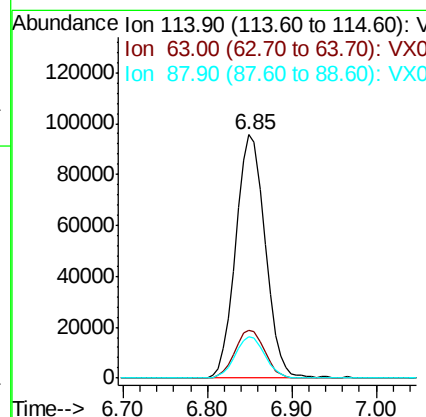
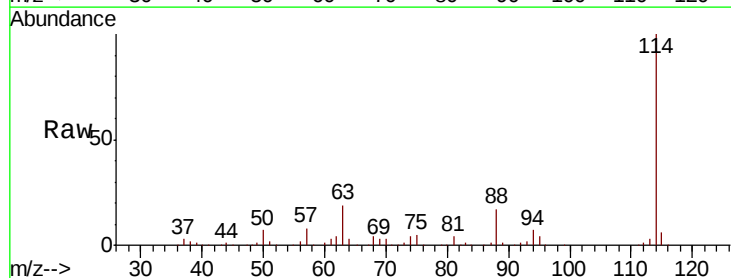
Manual Integrations
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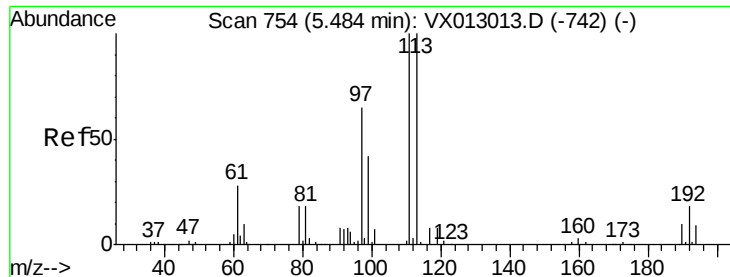
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013145.D
 Acq: 18 Oct 2019 22:10

Tgt Ion: 114 Resp: 226365
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.8
 88 17.2 0.0 33.8





#35

Dibromofluoromethane

Concen: 54.078 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013145.D

Acq: 18 Oct 2019 22:10

Instrument :

MSVOA_X

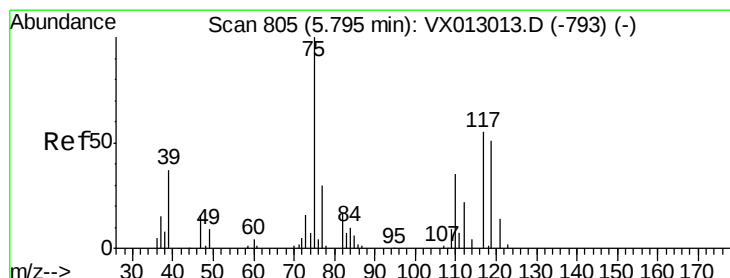
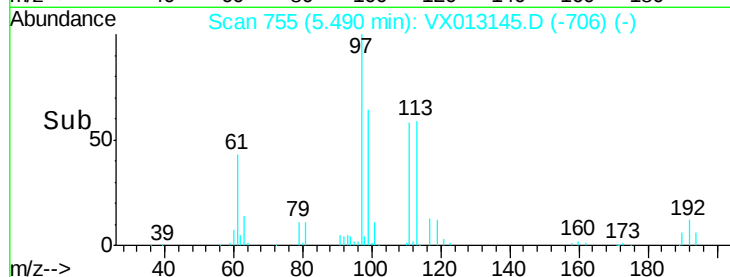
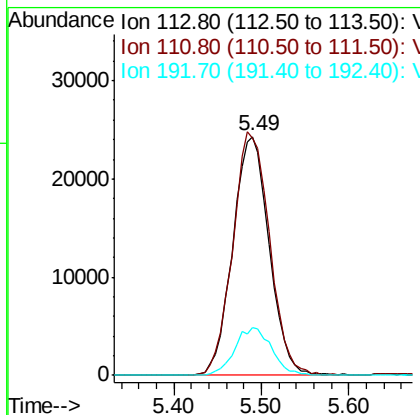
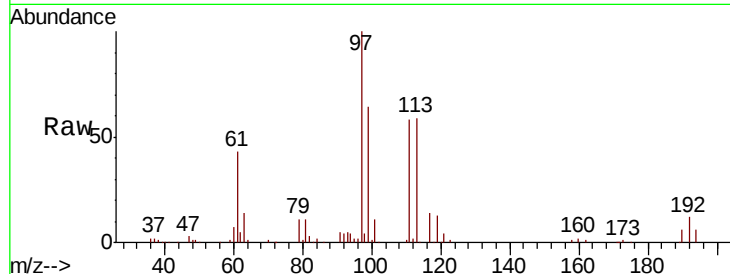
ClientSampleId :

MW-309-SRI4MSD

Tot Ion:	113	Resp:	70259
Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.2	124.8
192	20.2	15.4	23.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 54.970 ug/l

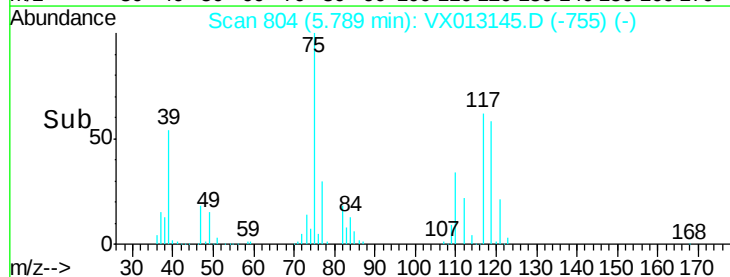
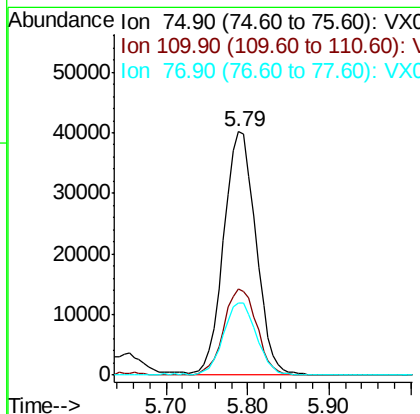
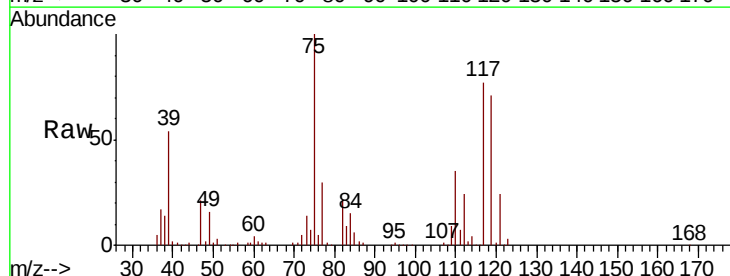
RT: 5.79 min Scan# 804

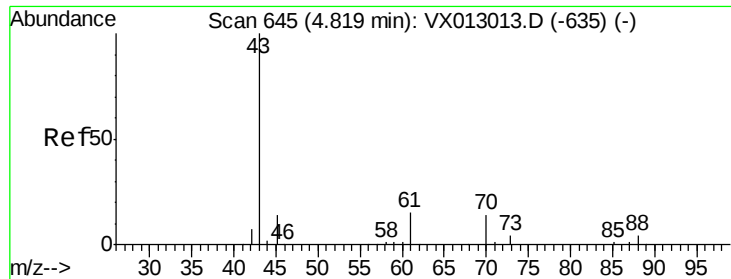
Delta R.T. 0.00 min

Lab File: VX013145.D

Acq: 18 Oct 2019 22:10

Tgt Ion:	75	Resp:	109403
Ion	Ratio	Lower	Upper
75	100		
110	36.5	17.6	52.9
77	30.5	24.4	36.6





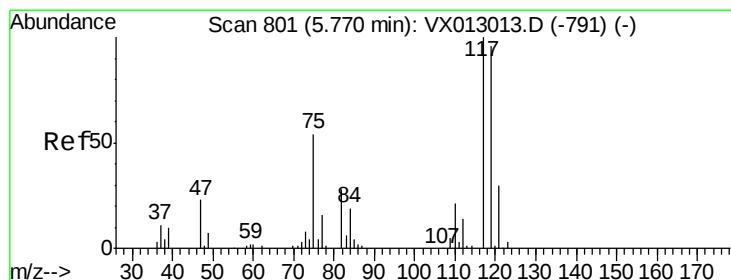
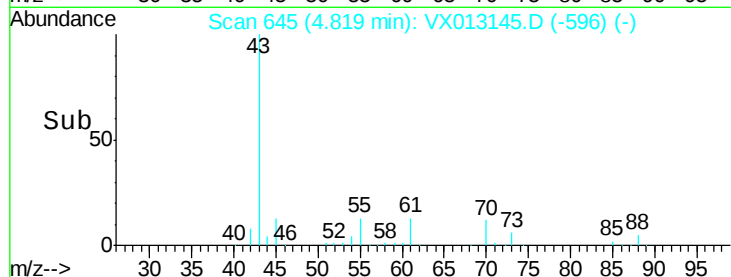
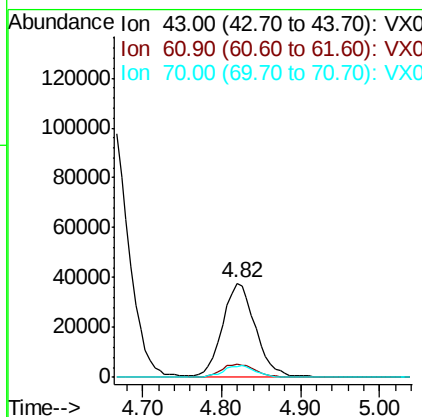
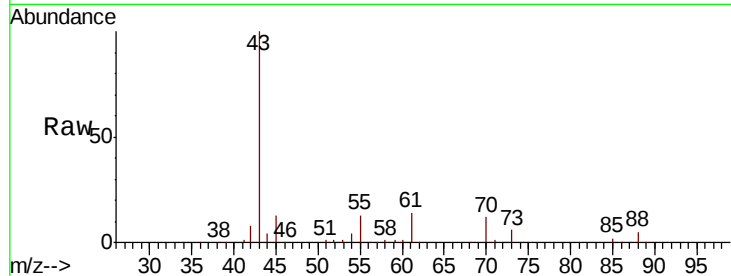
#37
Ethyl Acetate
Concen: 48.885 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Instrument :
MSVOA_X
ClientSampleId :
MW-309-SRI4MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.4	17.0
70	12.6	9.8	14.6

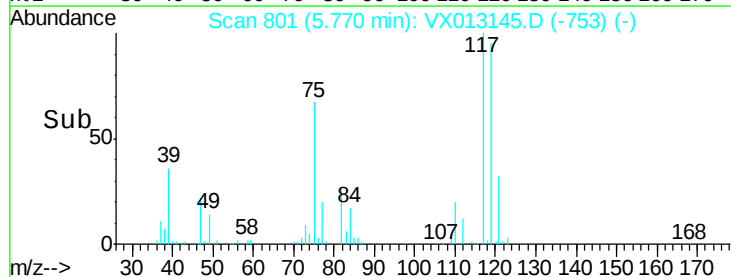
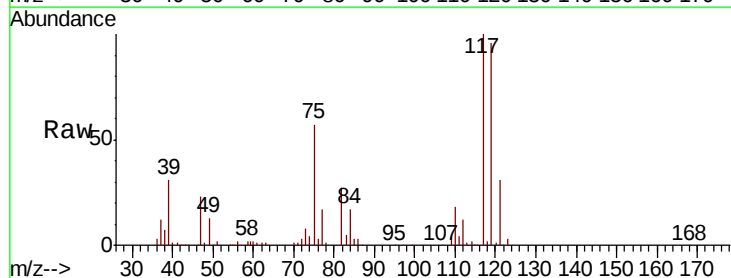
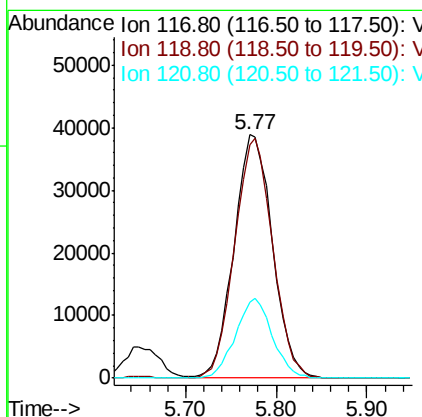
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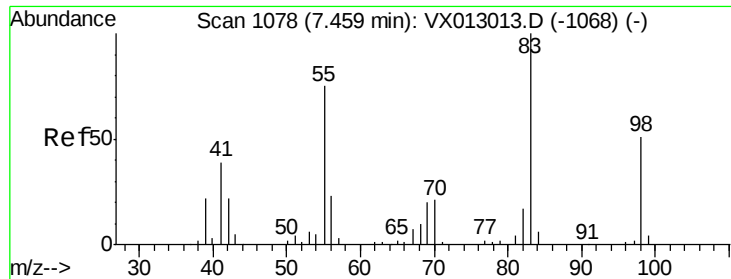
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#38
Carbon Tetrachloride
Concen: 59.072 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	74.5	111.7
121	31.4	24.2	36.4





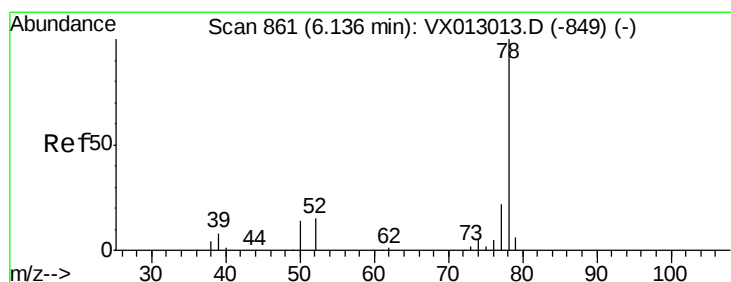
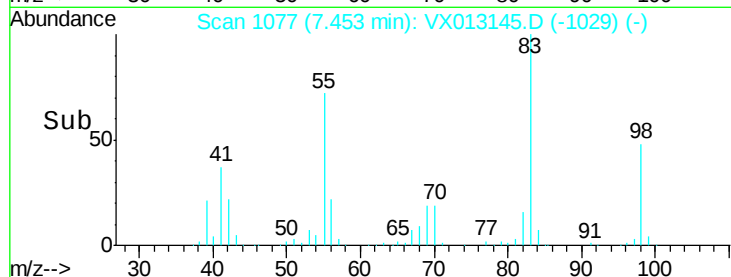
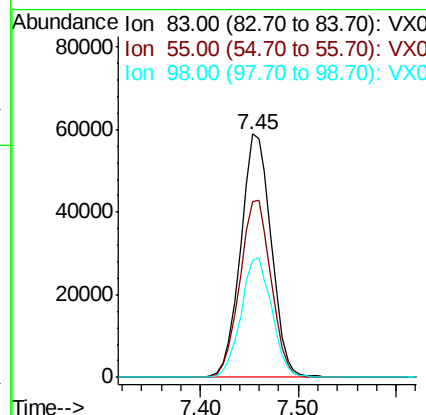
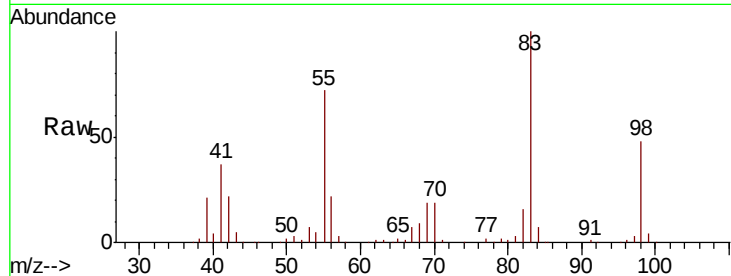
#39
Methvlcvclohexane
Concen: 53.020 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Instrument :
MSVOA_X
ClientSampleId :
MW-309-SRI4MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.0	60.2	90.4
98	48.2	38.5	57.7

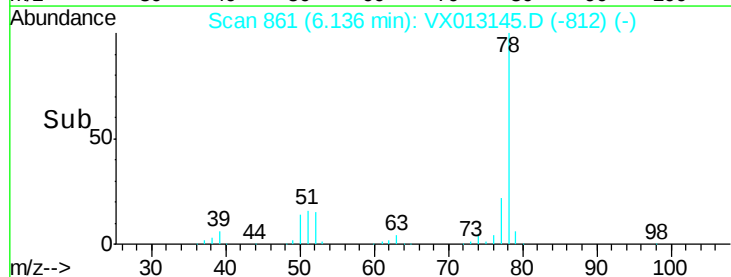
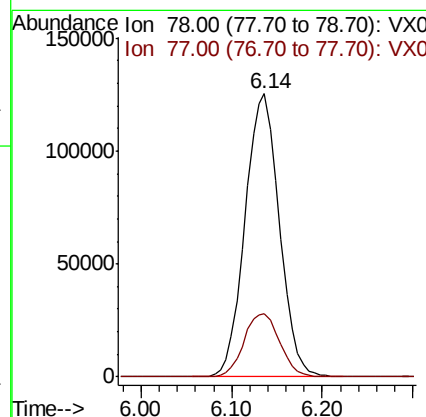
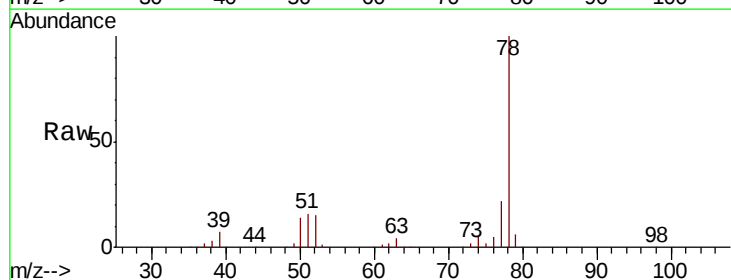
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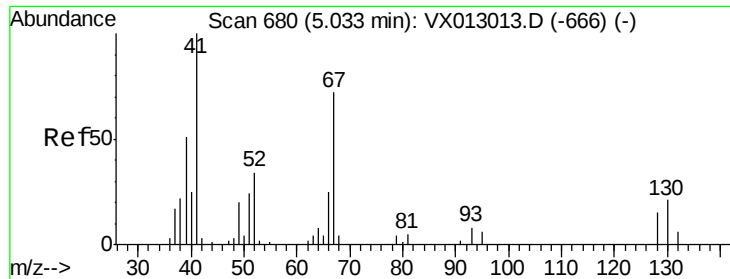
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#40
Benzene
Concen: 55.748 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.1	19.0	28.4





#41

Methacrylonitrile

Concen: 50.600 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.01 min

Lab File: VX013145.D

Acq: 18 Oct 2019 22:10

Instrument :

MSVOA_X

ClientSampleId :

MW-309-SRI4MSD

Tot Ion: 41 Resp: 61877

Ion Ratio Lower Upper

41 100

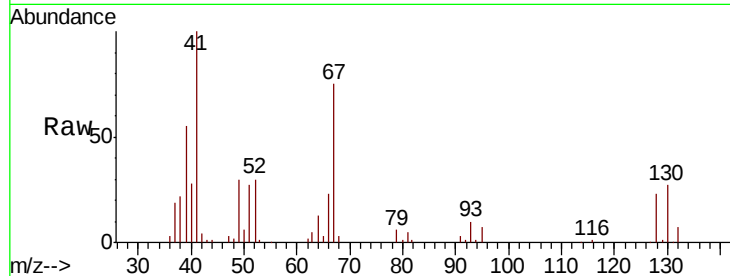
39 56.5 44.0 66.0

67 76.2 58.5 87.7

52 31.5 23.8 35.8

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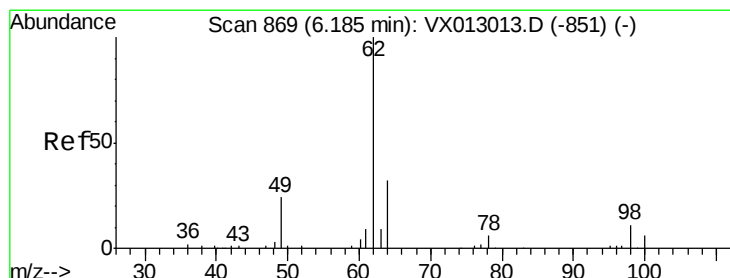
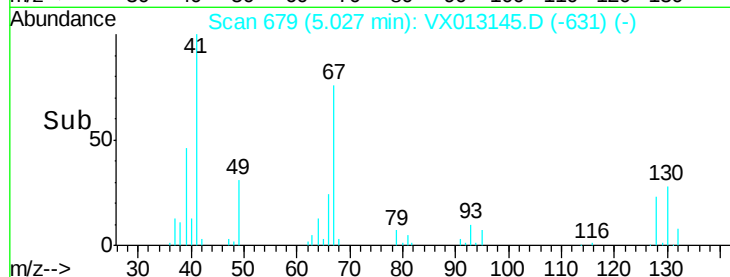
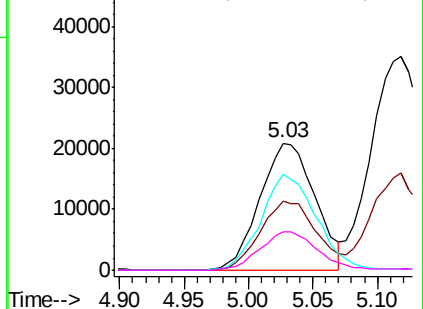


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 57.844 ug/l

RT: 6.19 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX013145.D

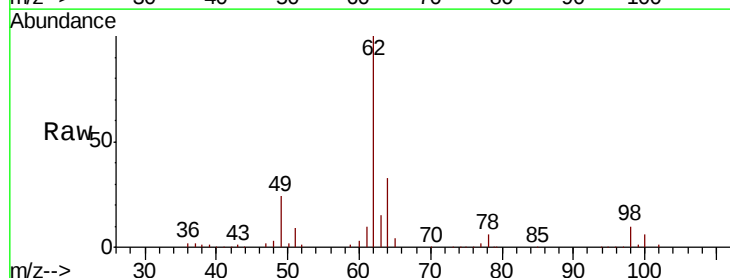
Acq: 18 Oct 2019 22:10

Tgt Ion: 62 Resp: 122007

Ion Ratio Lower Upper

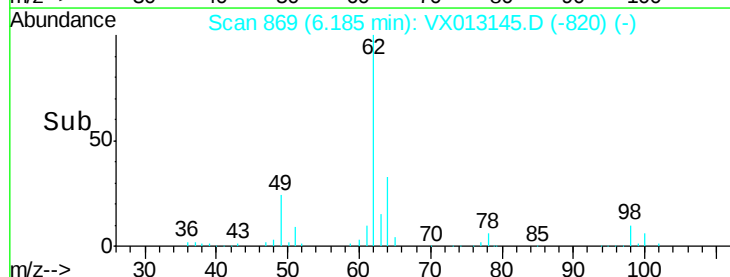
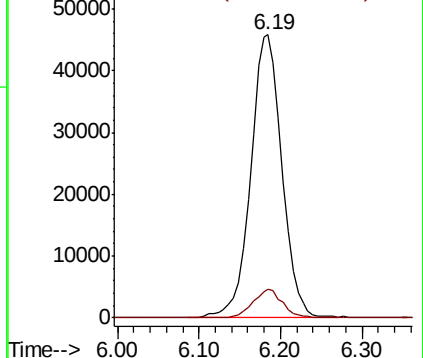
62 100

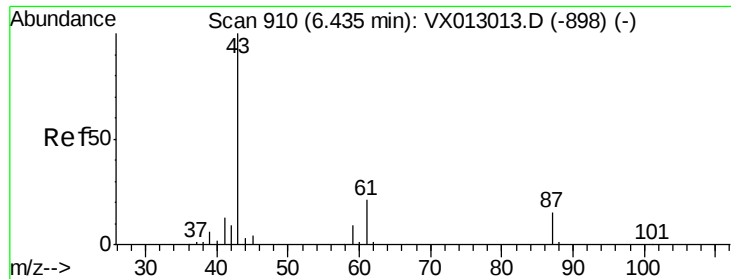
98 9.5 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

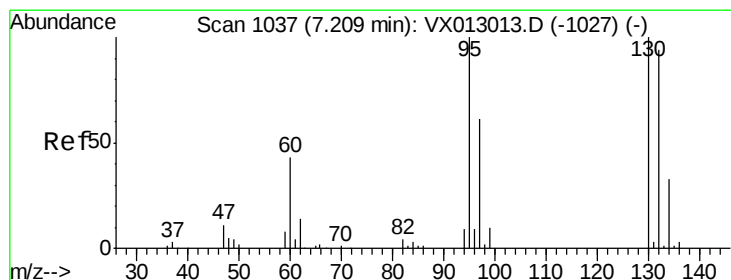
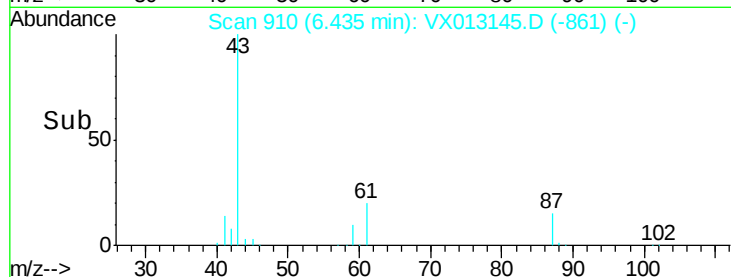
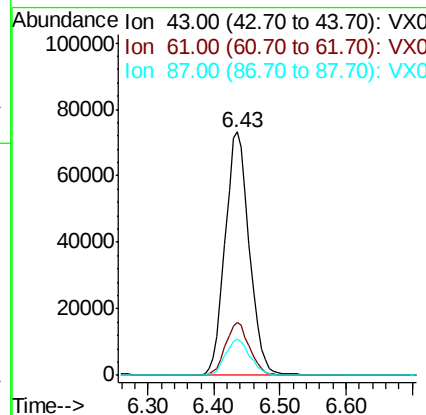
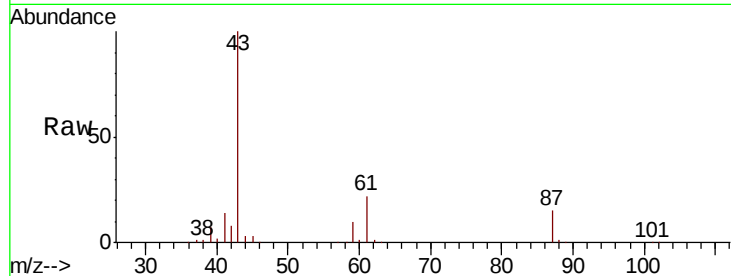
Isopropyl Acetate
 Concen: 52.028 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX013145.D
 Acq: 18 Oct 2019 22:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-309-SRI4MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	16.6	24.8
87	15.0	11.0	16.6

Manual Integrations
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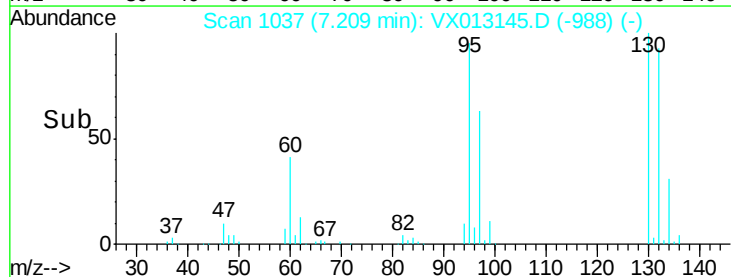
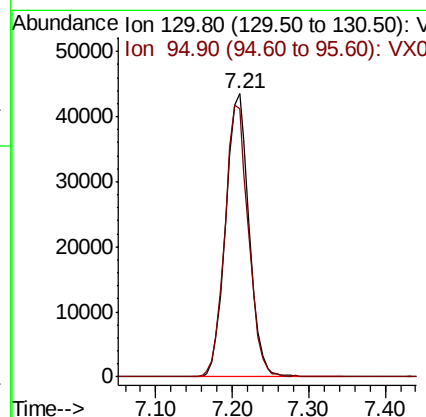
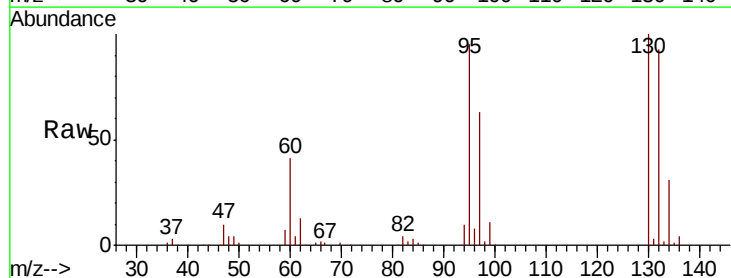
MMDadoda
 10/21/2019 11:03:10 AM

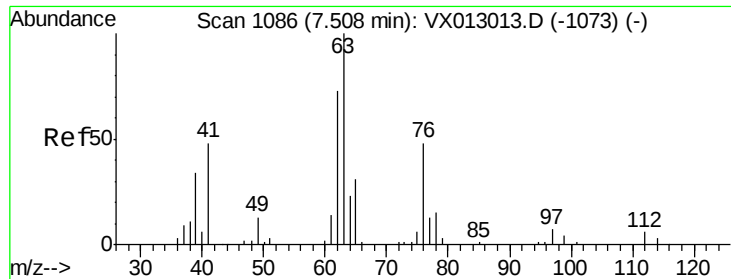


#44

Trichloroethene
 Concen: 56.569 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VX013145.D
 Acq: 18 Oct 2019 22:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.7	0.0	189.2





#45

1,2-Dichloropropane

Concen: 54.538 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX013145.D

Acq: 18 Oct 2019 22:10

Instrument :

MSVOA_X

ClientSampleId :

MW-309-SRI4MSD

Tot Ion: 63 Resp: 81705

Ion Ratio Lower Upper

63 100

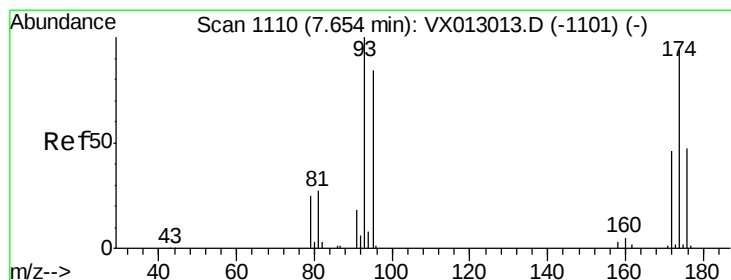
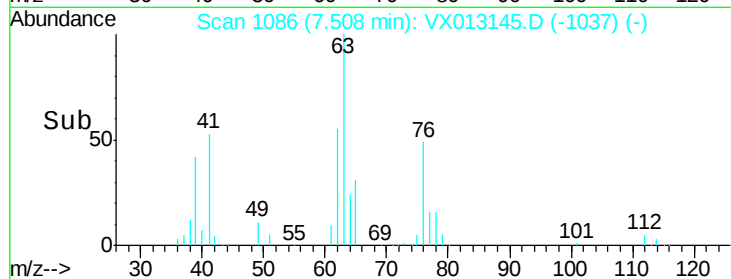
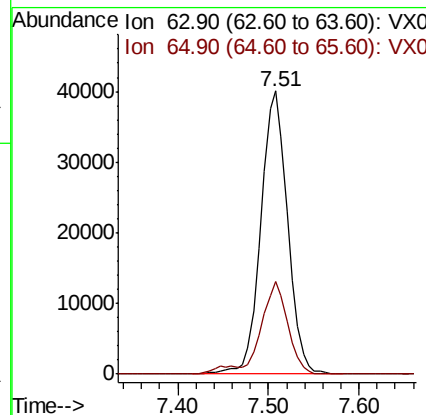
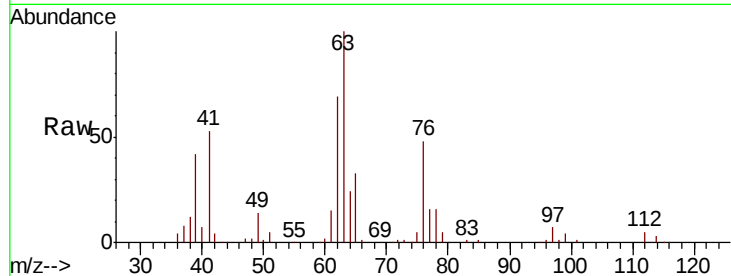
65 32.7 24.6 37.0

Manual Integrations

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#46

Dibromomethane

Concen: 58.106 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX013145.D

Acq: 18 Oct 2019 22:10

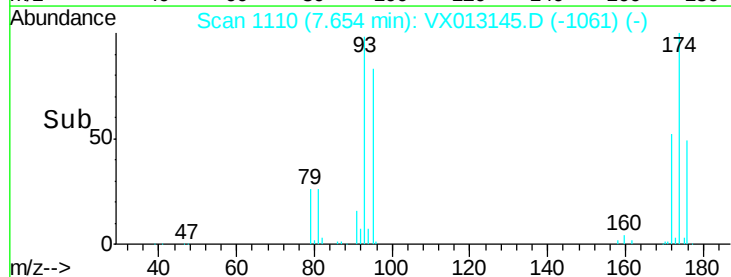
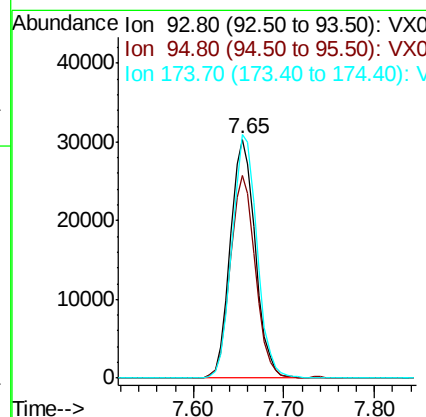
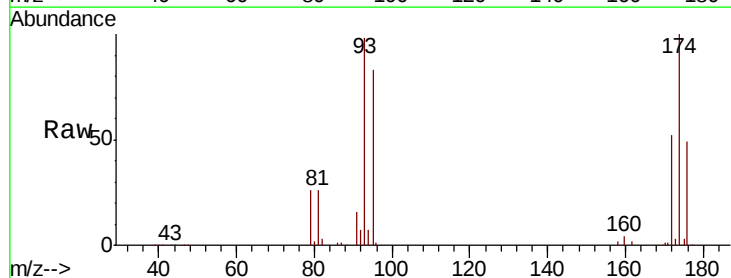
Tgt Ion: 93 Resp: 57998

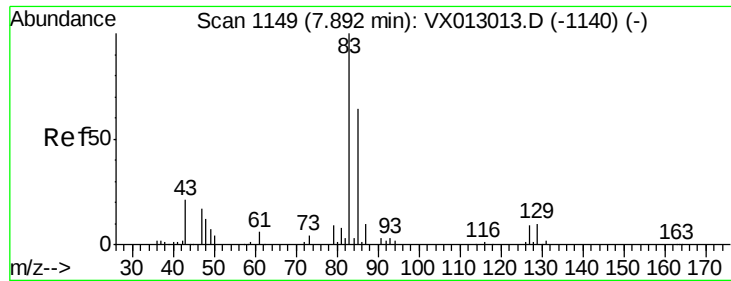
Ion Ratio Lower Upper

93 100

95 84.9 66.3 99.5

174 102.4 77.8 116.6





#47

Bromodichloromethane

Concen: 59.589 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013145.D

Acq: 18 Oct 2019 22:10

Instrument :

MSVOA_X

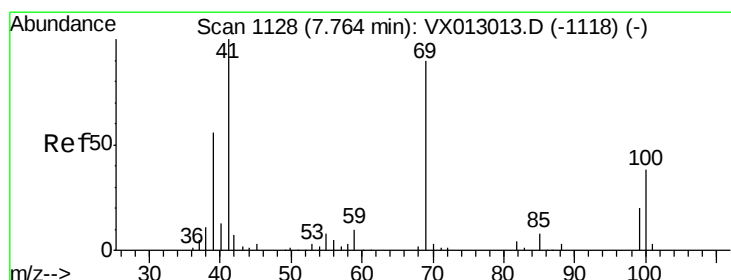
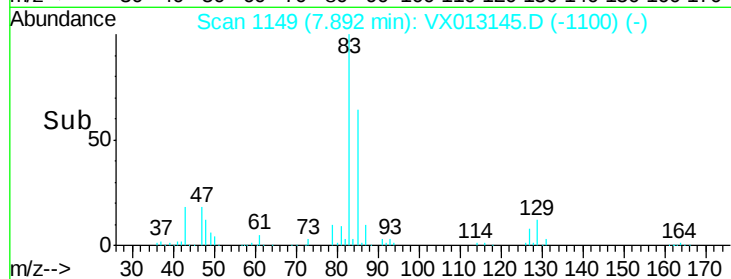
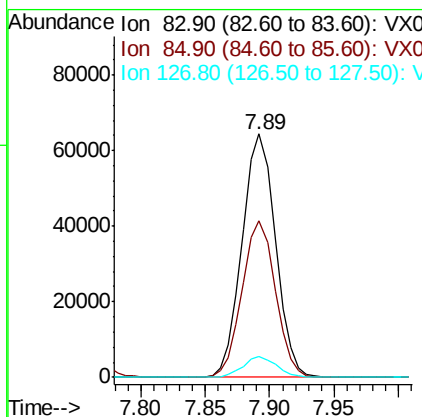
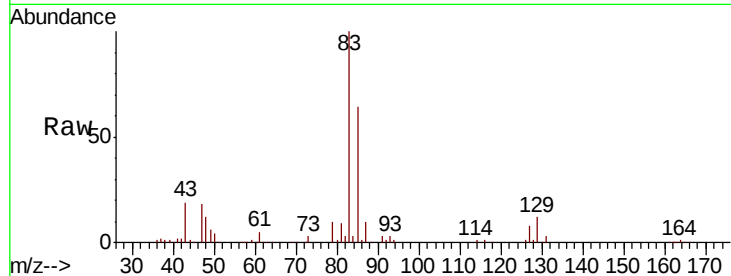
ClientSampleId :

MW-309-SRI4MSD

Tot Ion:	83	Resp:	116074
Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.4	78.6
127	8.4	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.054 ug/l

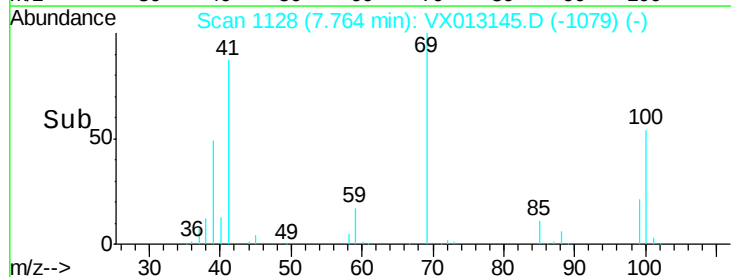
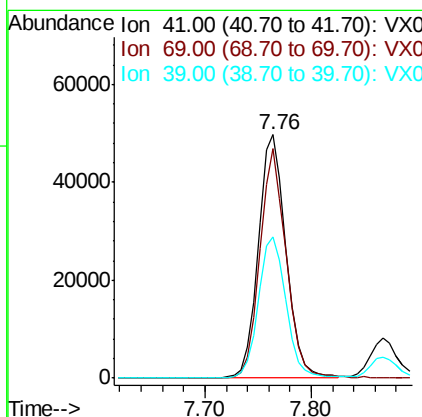
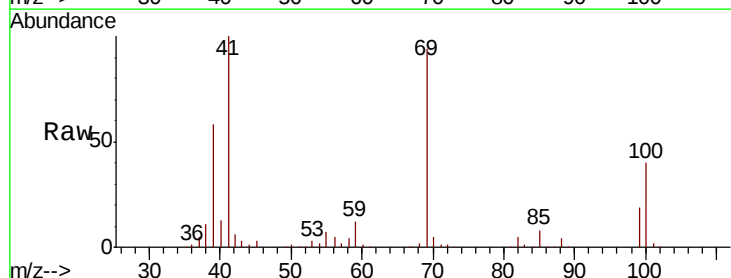
RT: 7.76 min Scan# 1128

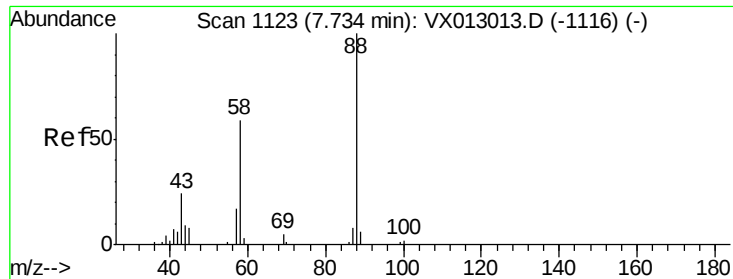
Delta R.T. 0.00 min

Lab File: VX013145.D

Acq: 18 Oct 2019 22:10

Tgt Ion:	41	Resp:	90606
Ion	Ratio	Lower	Upper
41	100		
69	90.1	68.7	103.1
39	58.3	44.3	66.5





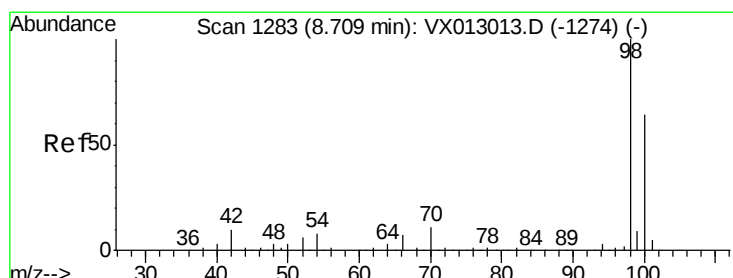
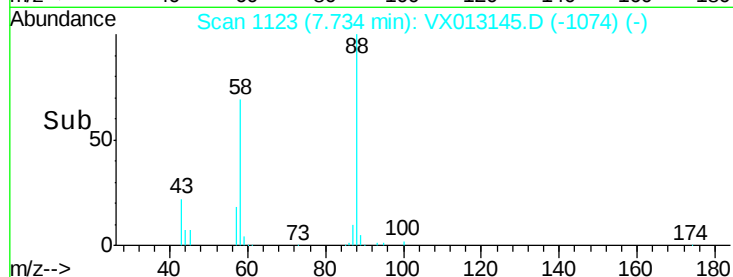
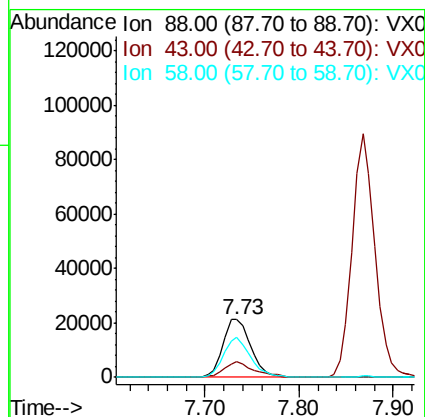
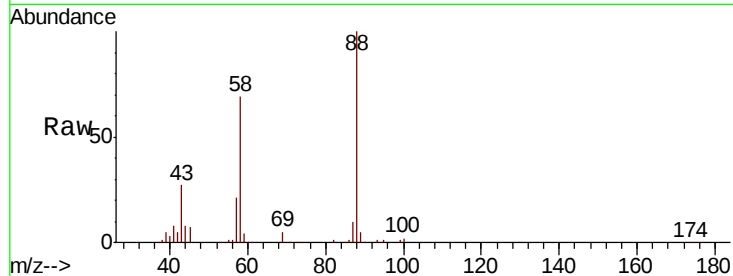
#49
1,4-Dioxane
Concen: 934.295 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Instrument :
MSVOA_X
ClientSampleId :
MW-309-SRI4MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.3	25.0	37.6
58	66.8	55.4	83.2

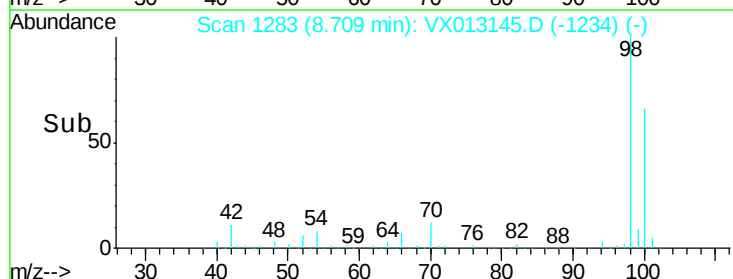
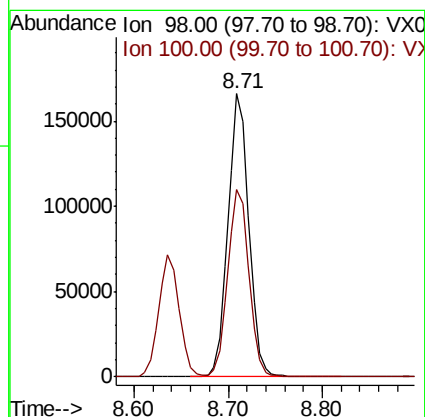
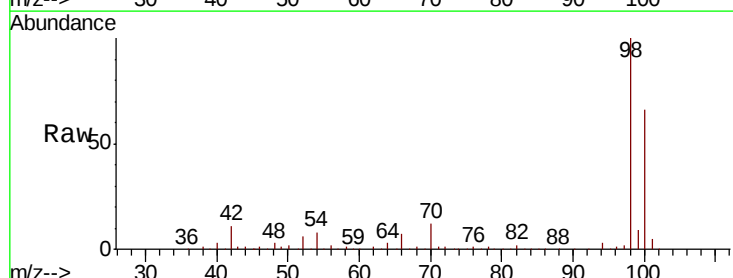
Manual Integrations
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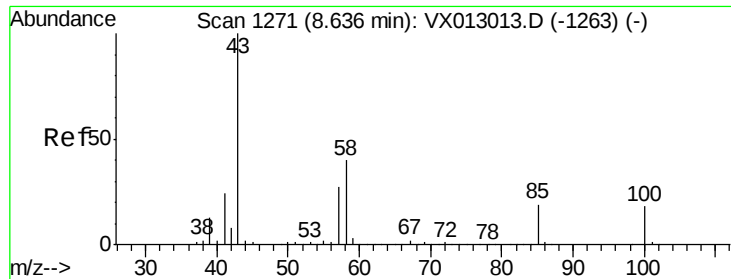
MMDadoda
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#50
Toluene-d8
Concen: 50.238 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.5	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 256.939 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX013145.D

Acq: 18 Oct 2019 22:10

Instrument :

MSVOA_X

ClientSampleId :

MW-309-SRI4MSD

Tot Ion: 43 Resp: 572204

Ion Ratio Lower Upper

43 100

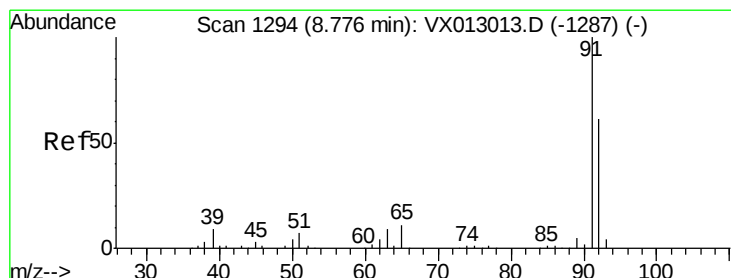
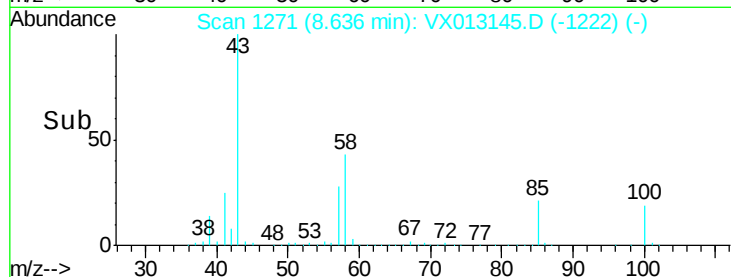
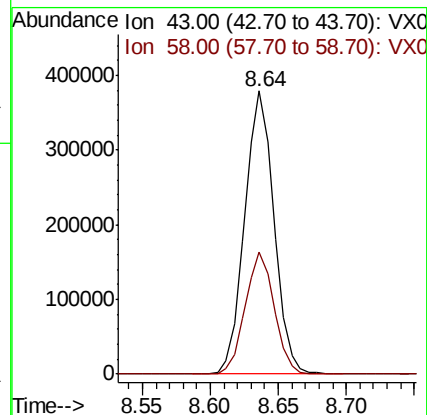
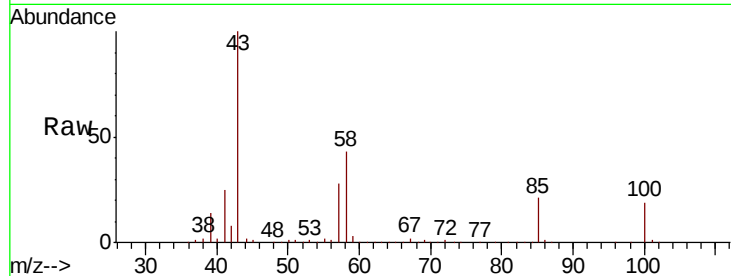
58 42.6 32.4 48.6

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#52

Toluene

Concen: 56.150 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX013145.D

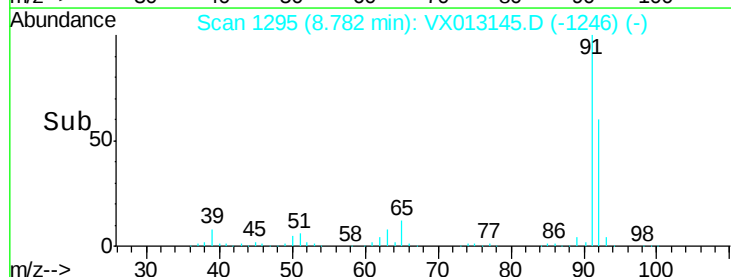
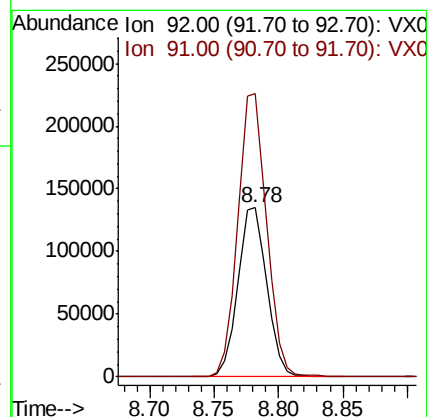
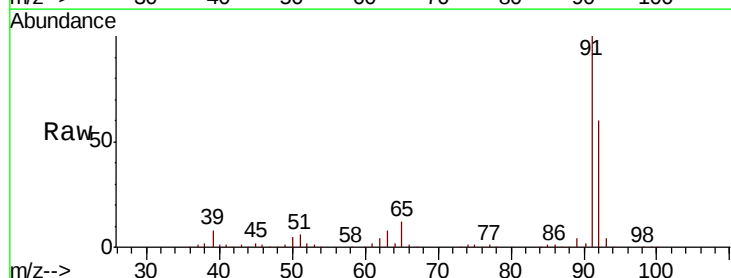
Acq: 18 Oct 2019 22:10

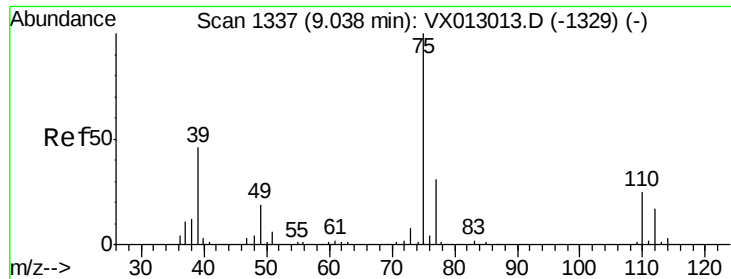
Tgt Ion: 92 Resp: 211156

Ion Ratio Lower Upper

92 100

91 167.3 135.9 203.9





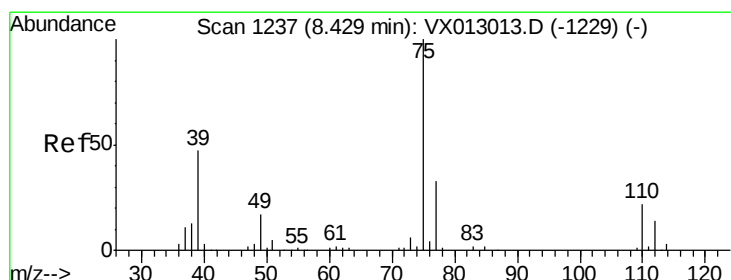
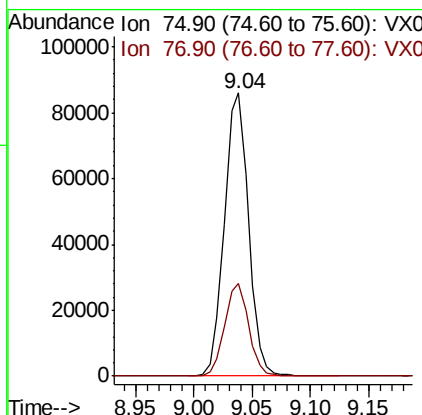
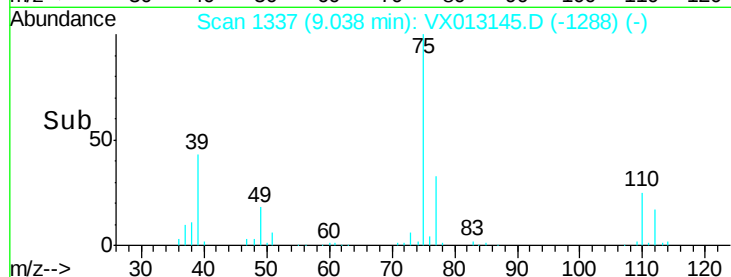
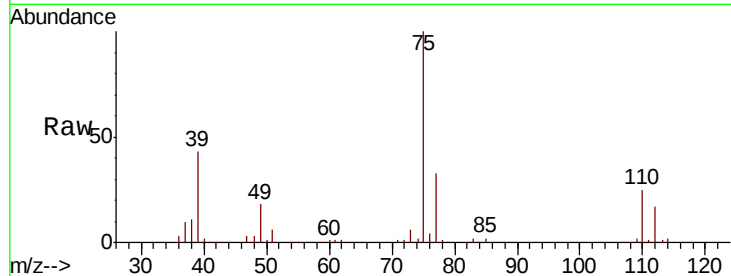
#53
t-1,3-Dichloropropene
Concen: 50.872 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Instrument :
MSVOA_X
ClientSampleId :
MW-309-SRI4MSD

Tot Ion: 75 Resp: 123761
Ion Ratio Lower Upper
75 100
77 32.7 25.8 38.6

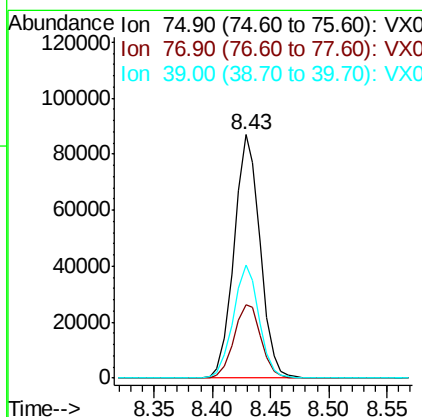
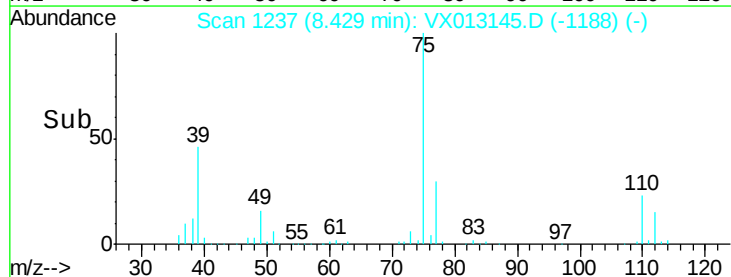
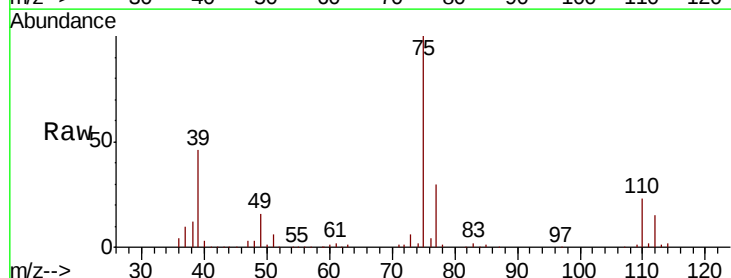
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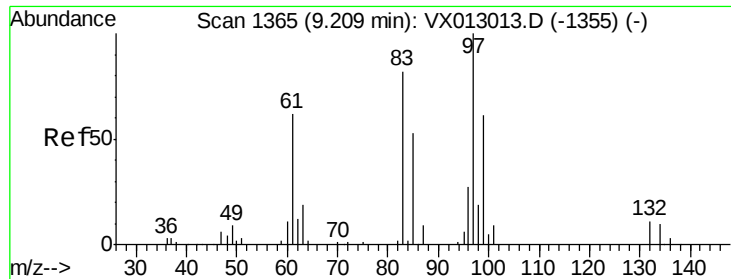
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#54
cis-1,3-Dichloropropene
Concen: 56.445 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Tgt Ion: 75 Resp: 135227
Ion Ratio Lower Upper
75 100
77 30.3 25.8 38.8
39 46.4 38.2 57.2





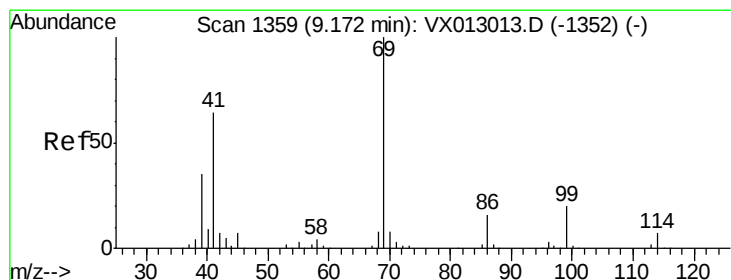
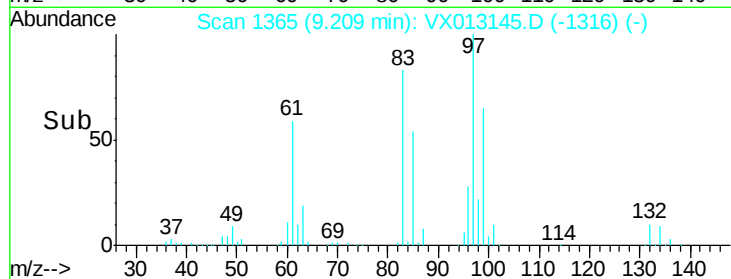
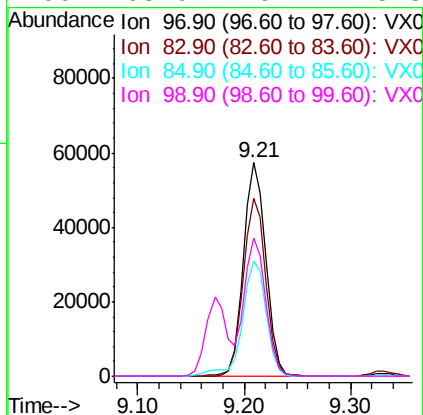
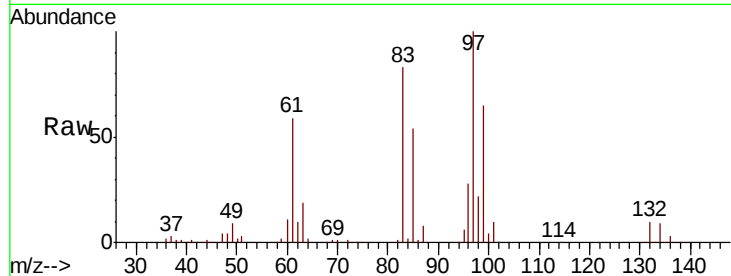
#55
1,1,2-Trichloroethane
Concen: 57.145 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Instrument :
MSVOA_X
ClientSampleId :
MW-309-SRI4MSD

Tot Ion	97	Resp:	85045
Ion	Ratio	Lower	Upper
97	100		
83	83.4	66.5	99.7
85	53.8	43.1	64.7
99	65.0	49.2	73.8

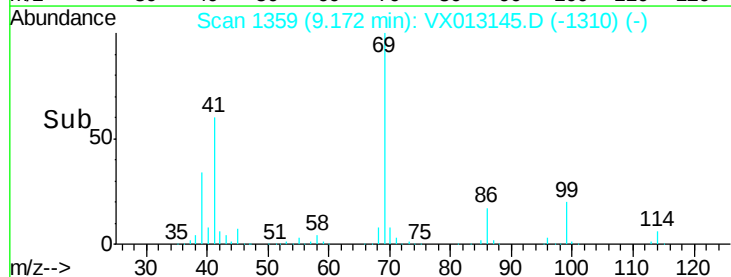
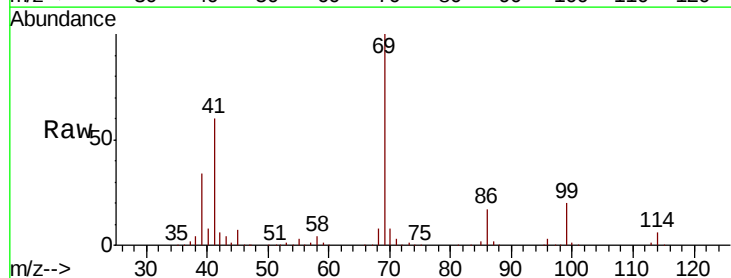
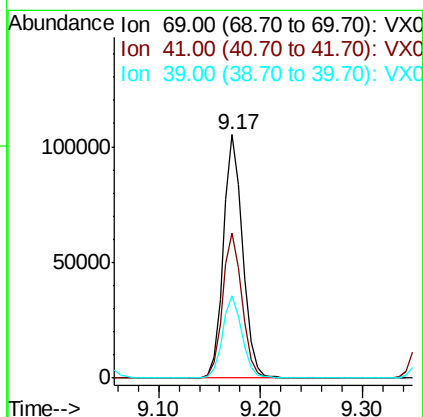
Manual Integrations
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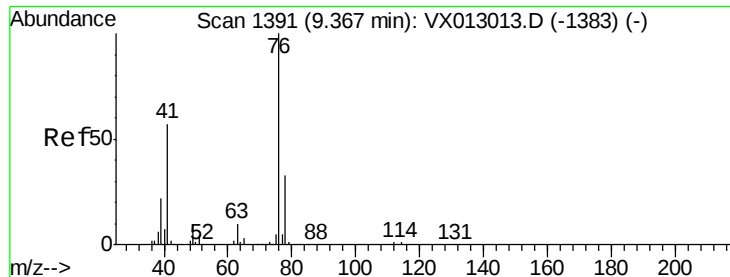
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#56
Ethyl methacrylate
Concen: 51.889 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Tgt Ion	69	Resp:	138472
Ion	Ratio	Lower	Upper
69	100		
41	60.8	52.1	78.1
39	33.9	27.8	41.8





#57

1,3-Dichloropropane

Concen: 55.805 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX013145.D

Acq: 18 Oct 2019 22:10

Instrument :

MSVOA_X

ClientSampleId :

MW-309-SRI4MSD

Tot Ion: 76 Resp: 143662

Ion Ratio Lower Upper

76 100

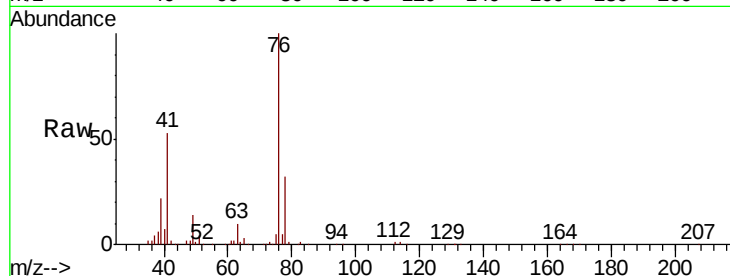
78 33.1 26.1 39.1

Manual Integrations

APPROVED

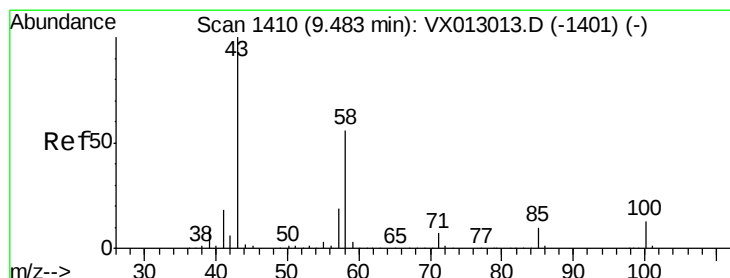
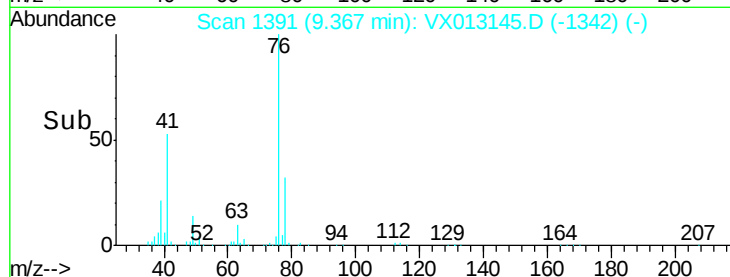
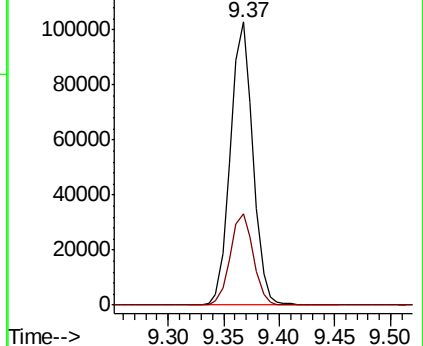
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 256.920 ug/l

RT: 9.49 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VX013145.D

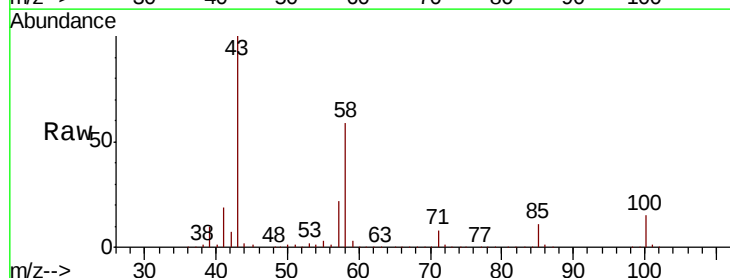
Acq: 18 Oct 2019 22:10

Tgt Ion: 43 Resp: 445391

Ion Ratio Lower Upper

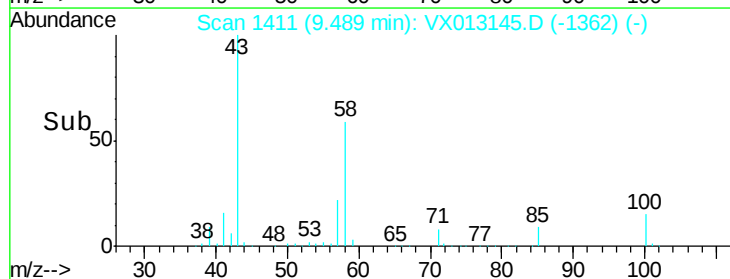
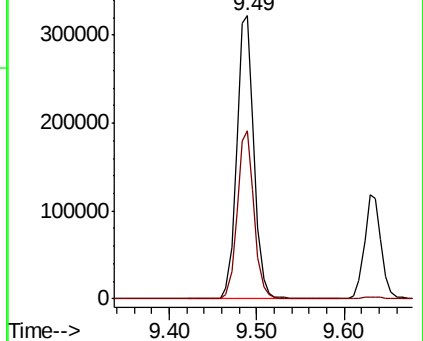
43 100

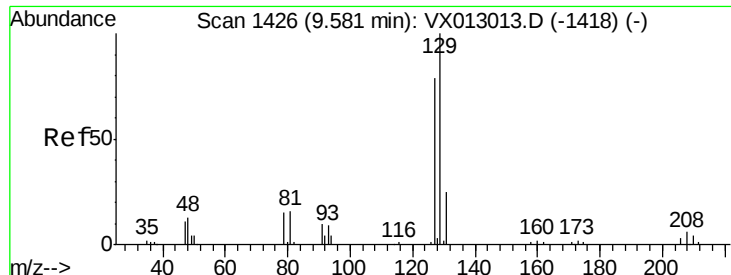
58 57.8 28.1 84.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 55.672 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.00 min

Lab File: VX013145.D

Acq: 18 Oct 2019 22:10

Instrument :

MSVOA_X

ClientSampleId :

MW-309-SRI4MSD

Tot Ion:129 Resp: 92562

Ion Ratio Lower Upper

129 100

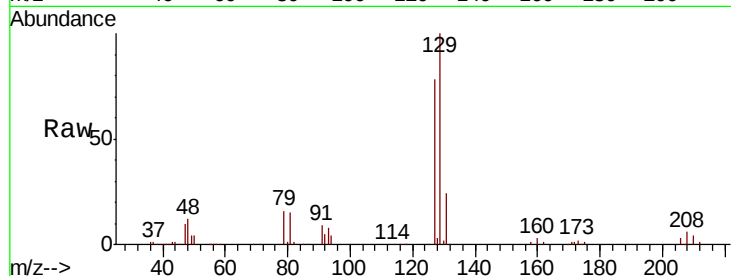
127 77.2 38.9 116.7

Manual Integrations

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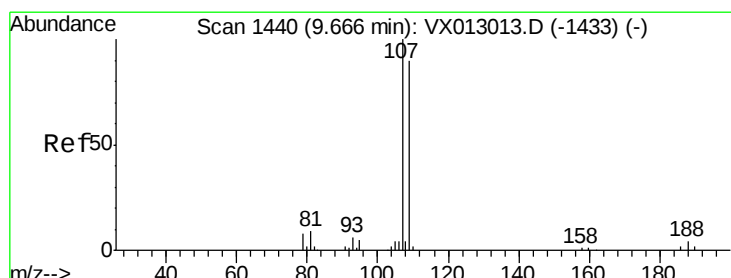
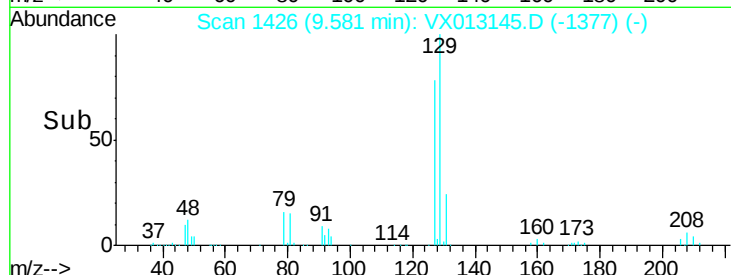
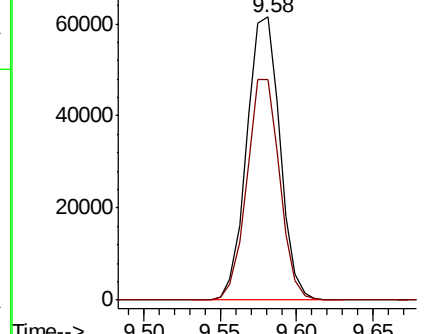
MMDadoda

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 58.132 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013145.D

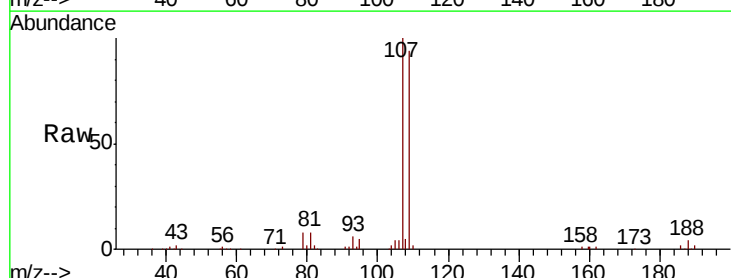
Acq: 18 Oct 2019 22:10

Tgt Ion:107 Resp: 91008

Ion Ratio Lower Upper

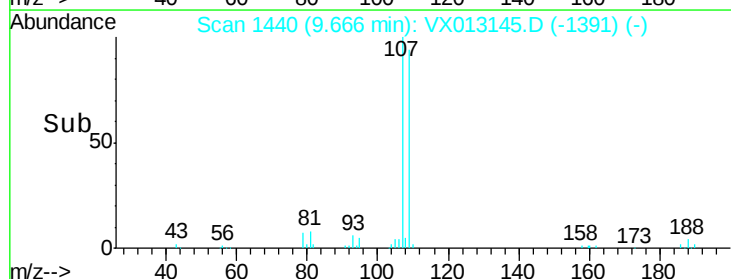
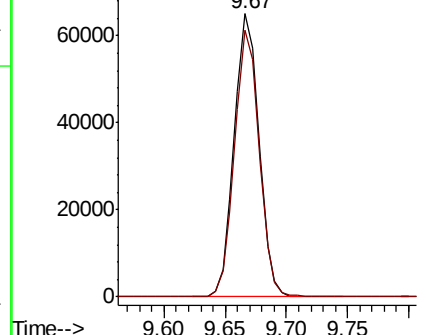
107 100

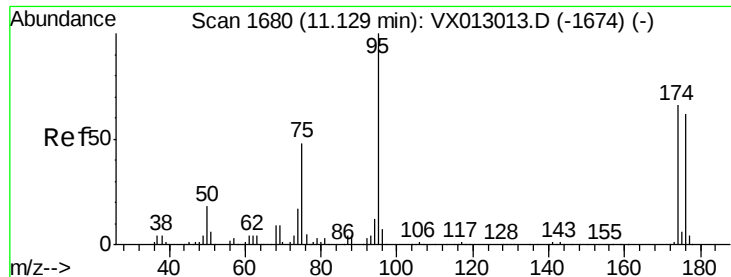
109 93.4 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





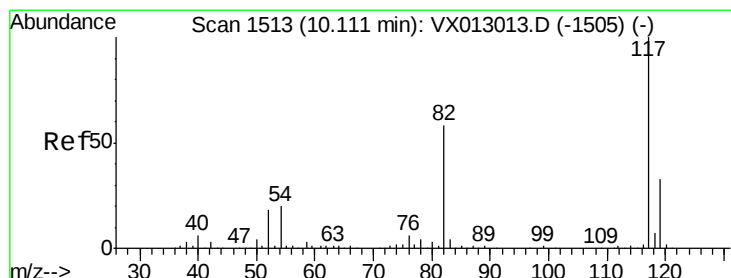
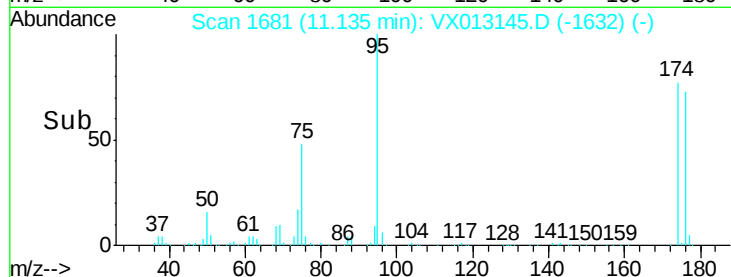
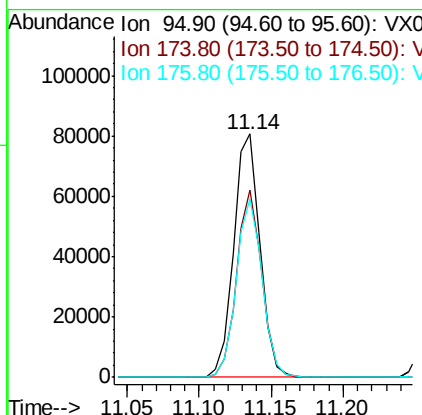
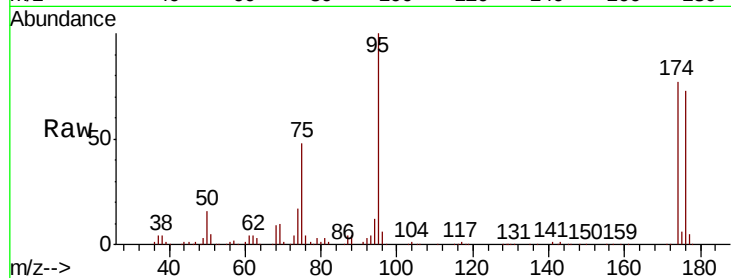
#62
4-Bromofluorobenzene
Concen: 52.349 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Instrument :
MSVOA_X
ClientSampleId :
MW-309-SRI4MSD

Tot Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	143.4
176	71.8	0.0	136.0

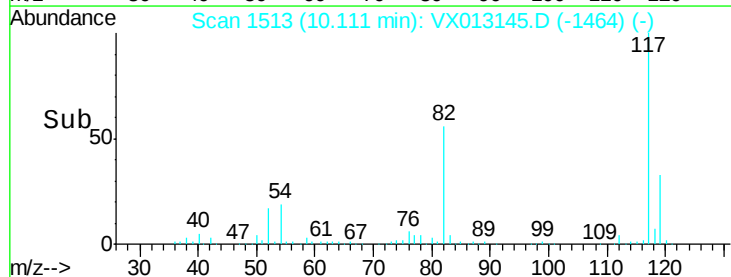
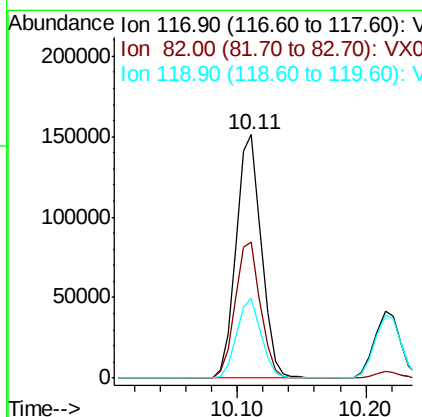
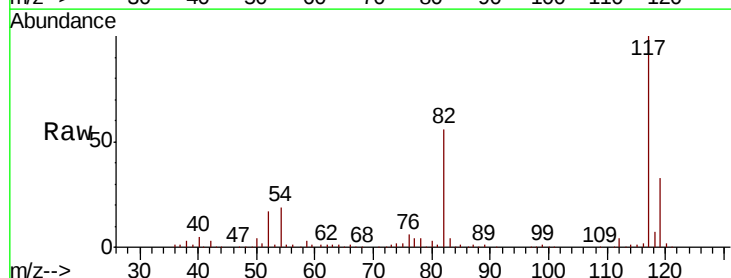
Manual Integrations
APPROVED

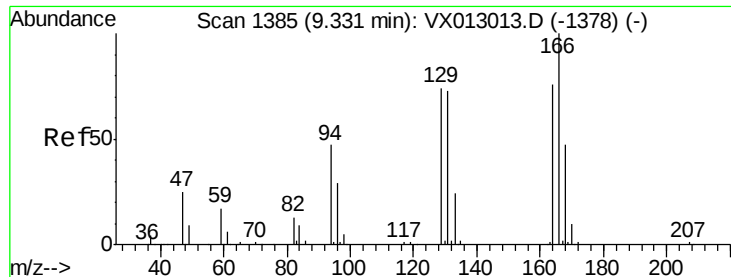
MMDadoda
10/21/2019 11:03:10 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.1	66.1
119	33.0	25.8	38.8





#64

Tetrachloroethene

Concen: 63.226 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX013145.D

Acq: 18 Oct 2019 22:10

Instrument :

MSVOA_X

ClientSampleId :

MW-309-SRI4MSD

Tot Ion:164 Resp: 90480

Ion Ratio Lower Upper

164 100

166 132.7 96.9 145.3

129 97.4 77.9 116.9

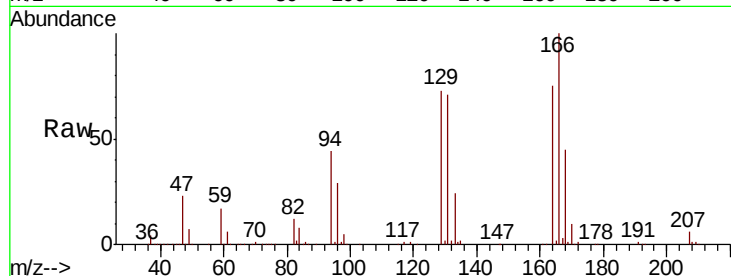
131 94.8 72.7 109.1

Manual Integrations

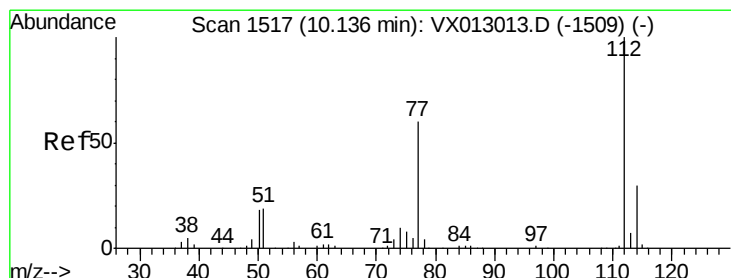
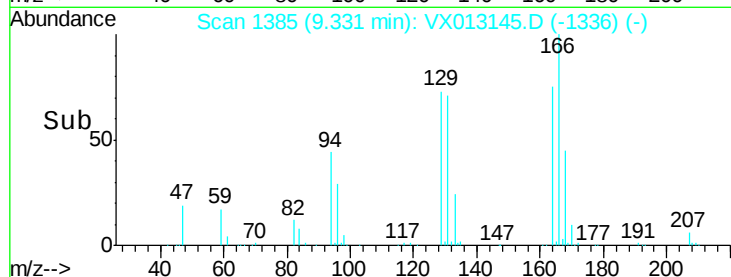
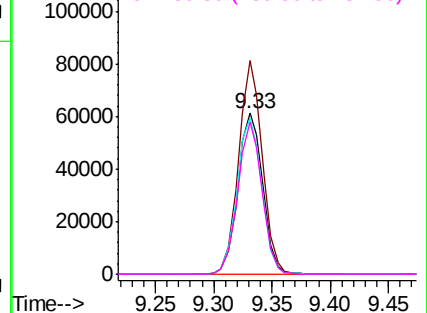
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Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 54.404 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX013145.D

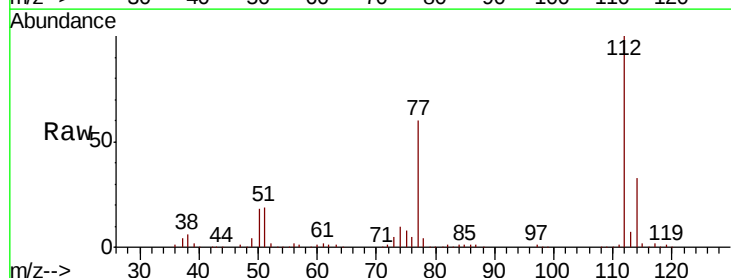
Acq: 18 Oct 2019 22:10

Tgt Ion:112 Resp: 222907

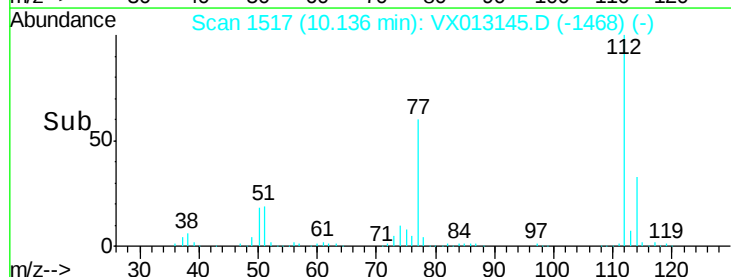
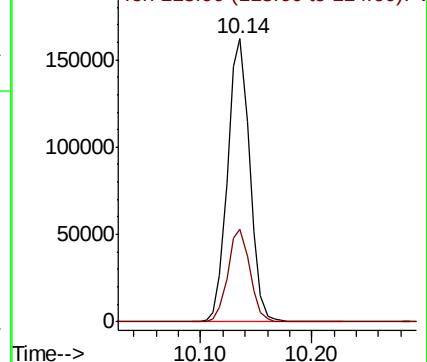
Ion Ratio Lower Upper

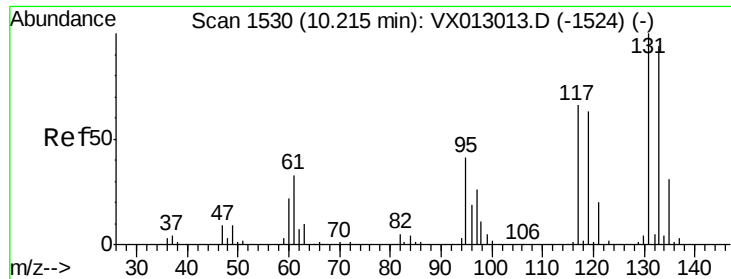
112 100

114 32.6 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





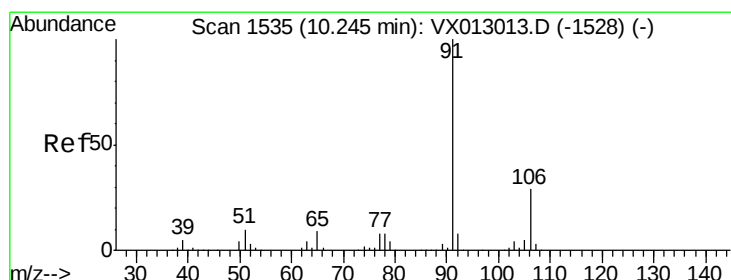
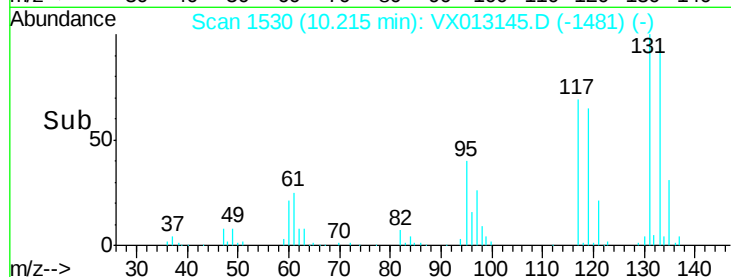
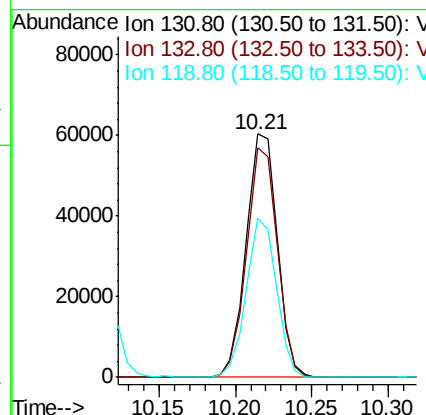
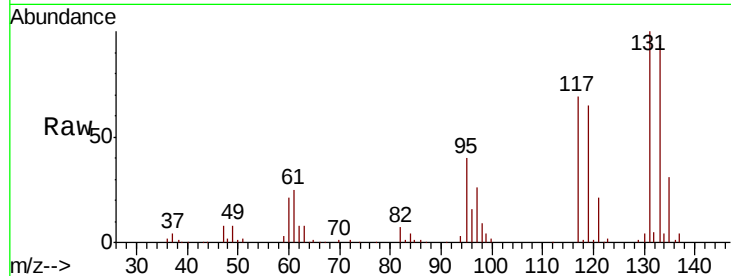
#66
 1,1,1,2-Tetrachloroethane
 Concen: 60.196 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VX013145.D
 Acq: 18 Oct 2019 22:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-309-SRI4MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	93.2	47.2	141.6
119	64.0	32.6	98.0

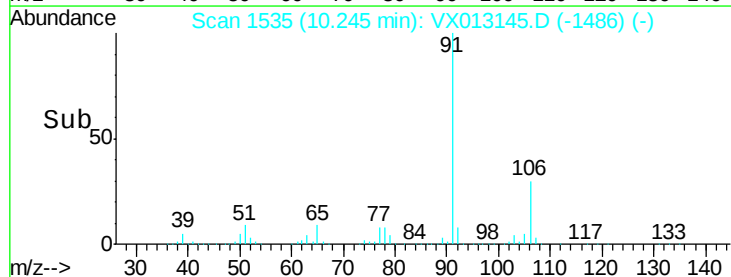
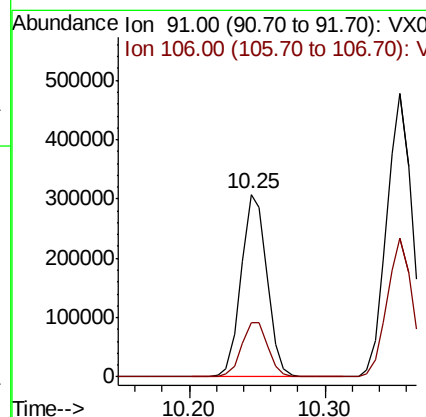
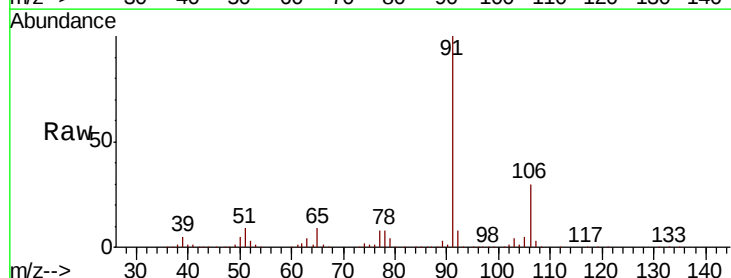
Manual Integrations
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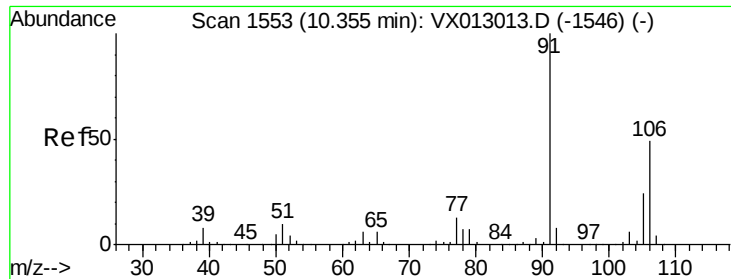
MMDadoda
 10/21/2019 11:03:10 AM



#67
 Ethyl Benzene
 Concen: 55.845 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX013145.D
 Acq: 18 Oct 2019 22:10

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.9	35.9





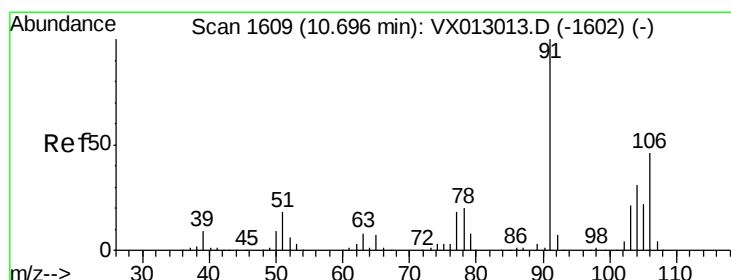
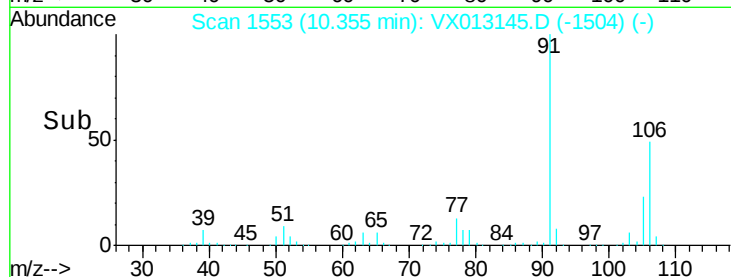
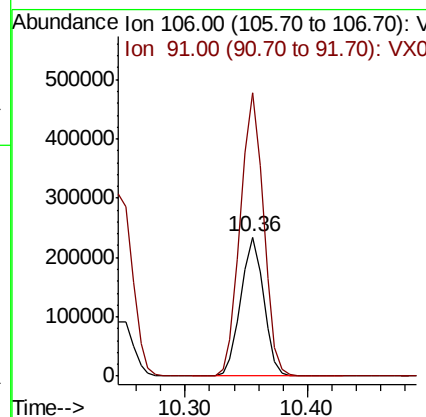
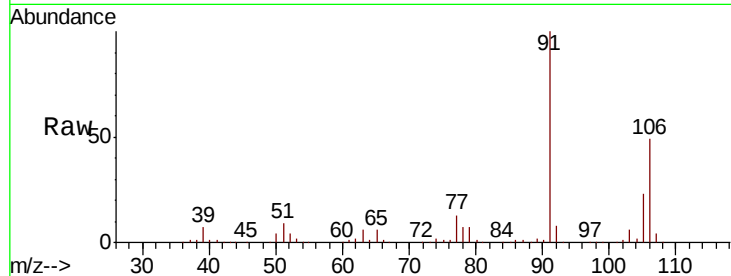
#68
m/p-Xylenes
Concen: 112.061 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Instrument :
MSVOA_X
ClientSampleId :
MW-309-SRI4MSD

Tot Ion:106 Resp: 304683
Ion Ratio Lower Upper
106 100
91 205.4 165.3 247.9

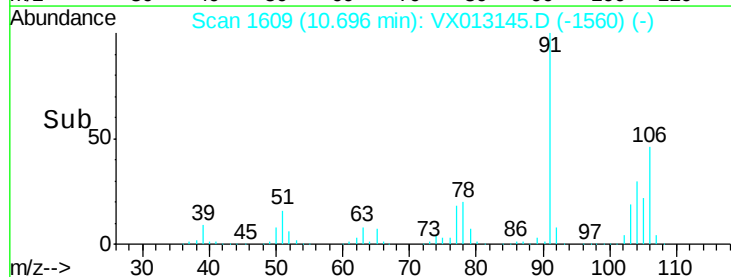
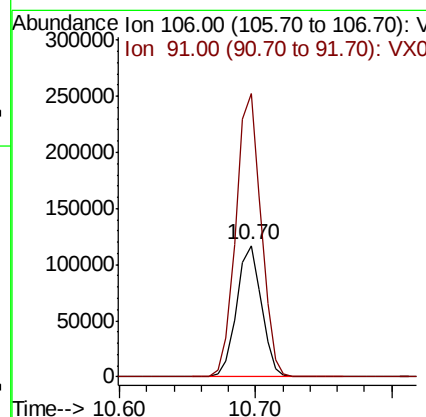
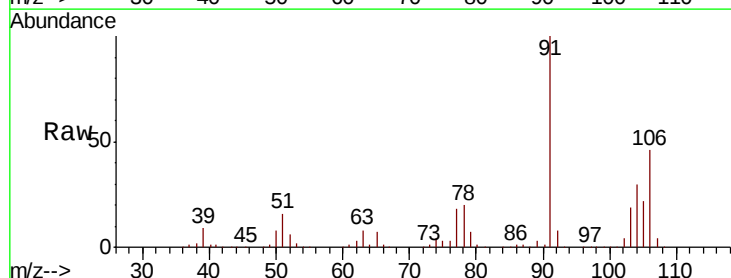
Manual Integrations
APPROVED

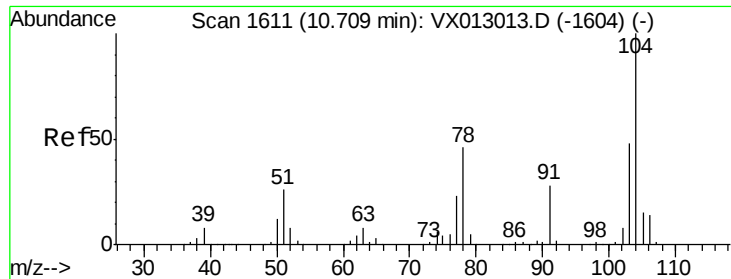
MMDadoda
10/21/2019 11:03:10 AM



#69
o-Xylene
Concen: 56.155 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Tgt Ion:106 Resp: 148890
Ion Ratio Lower Upper
106 100
91 218.3 109.1 327.3





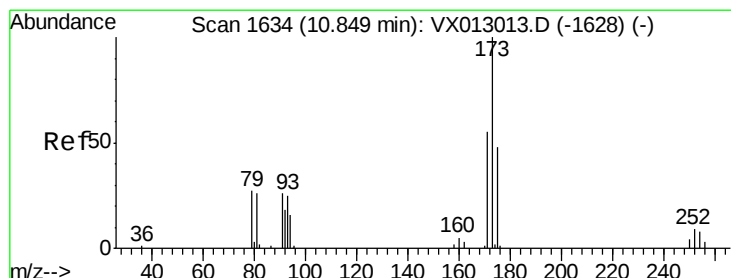
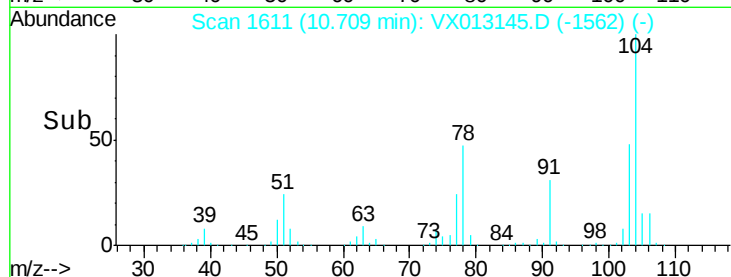
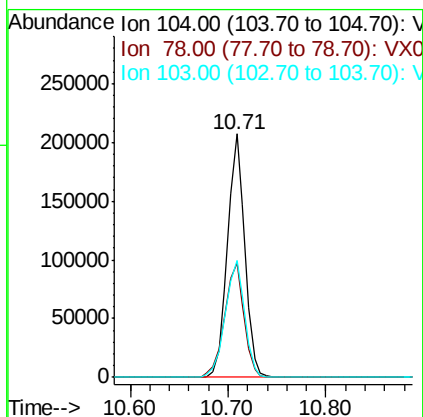
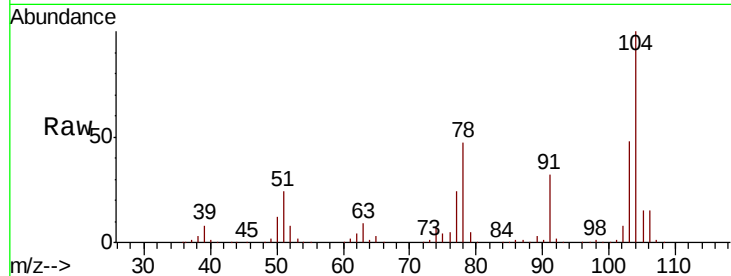
#70
Stvrene
Concen: 56.625 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Instrument :
MSVOA_X
ClientSampleId :
MW-309-SRI4MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.8	41.2	61.8
103	53.6	43.0	64.4

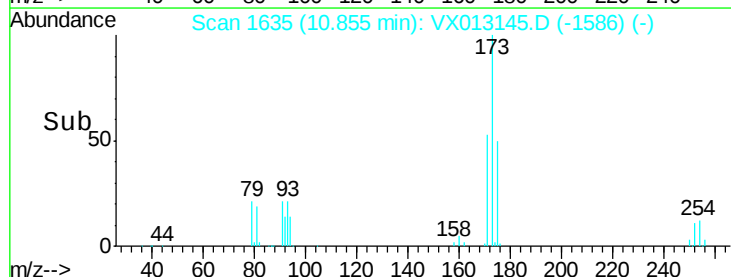
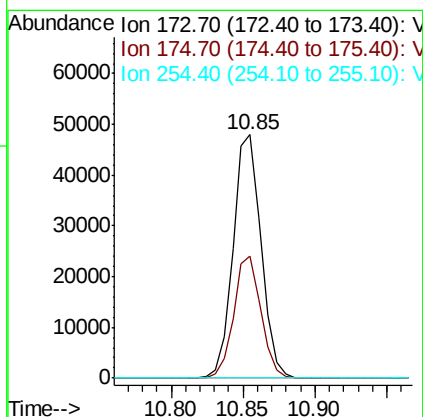
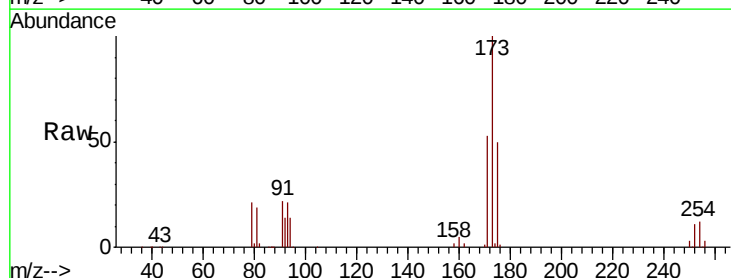
Manual Integrations
APPROVED

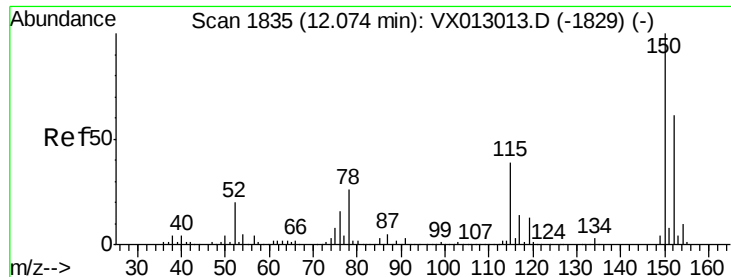
MMDadoda
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#71
Bromoform
Concen: 53.542 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.1	72.3
254	0.1	0.1	0.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013145.D

Acq: 18 Oct 2019 22:10

Instrument :

MSVOA_X

ClientSampleId :

MW-309-SRI4MSD

Tot Ion:152 Resp: 95928

Ion Ratio Lower Upper

152 100

115 88.8 44.5 133.5

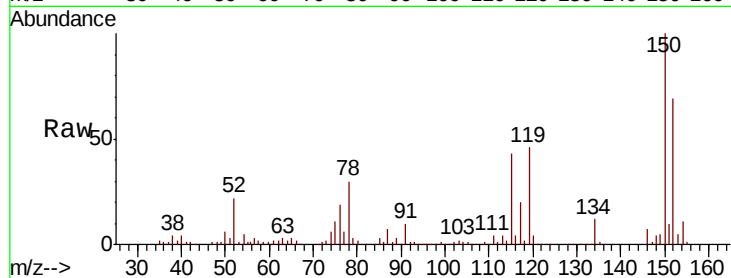
150 170.8 0.0 353.4

Manual Integrations

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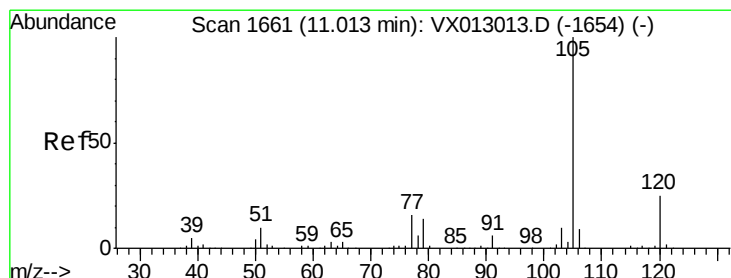
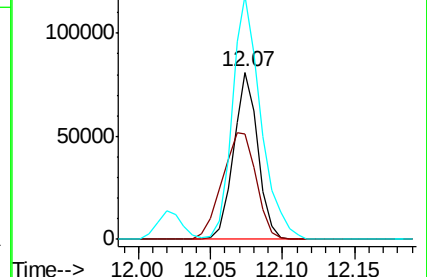
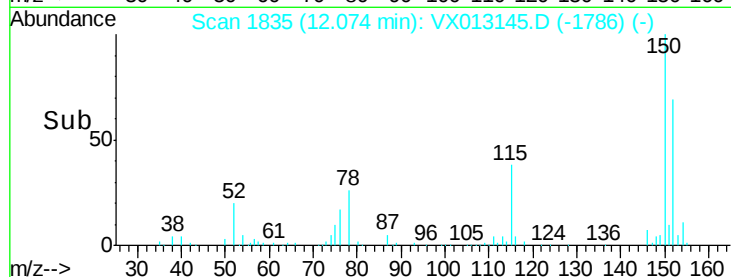
10/21/2019 11:03:10 AM



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: 55.571 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013145.D

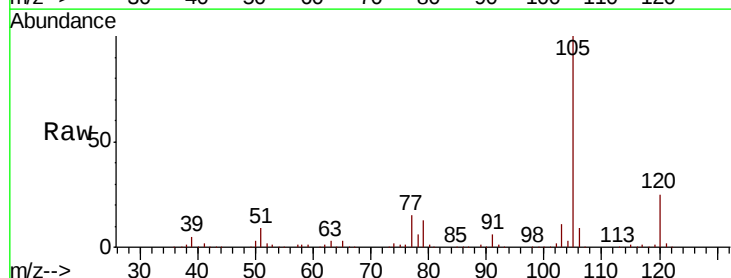
Acq: 18 Oct 2019 22:10

Tgt Ion:105 Resp: 391929

Ion Ratio Lower Upper

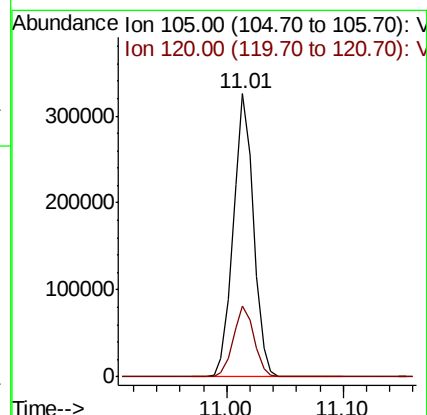
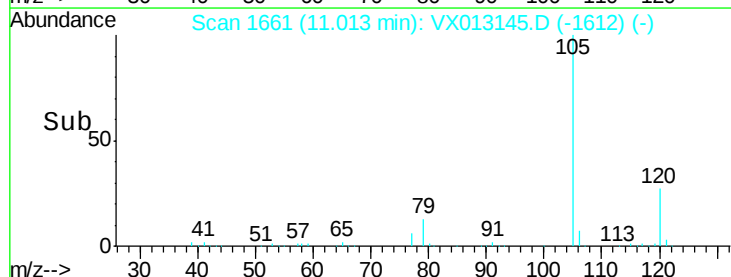
105 100

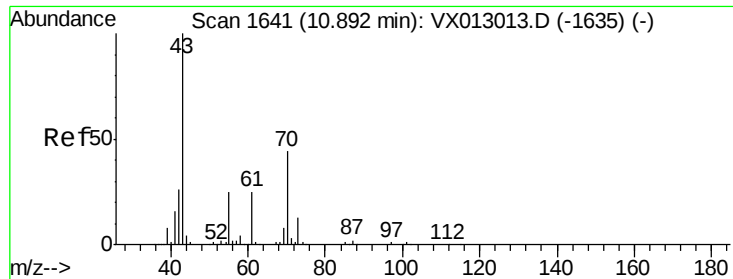
120 25.6 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 52.124 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013145.D

Acq: 18 Oct 2019 22:10

Instrument :

MSVOA_X

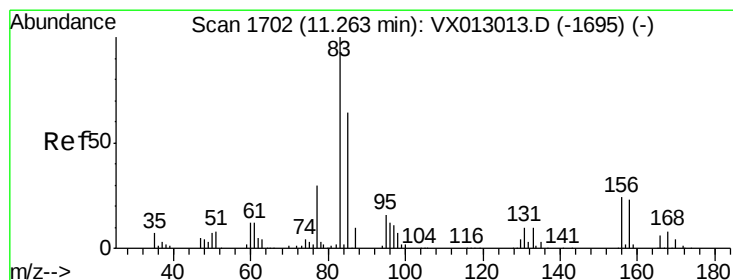
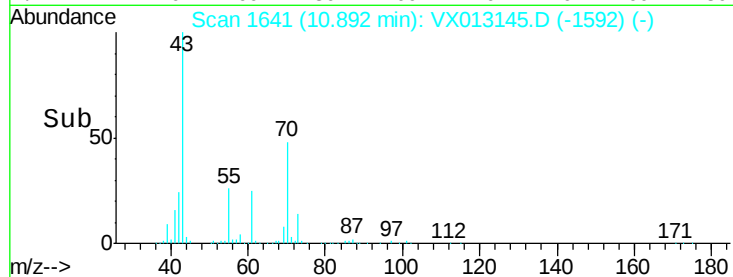
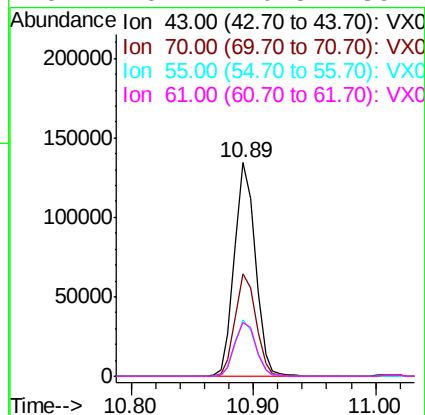
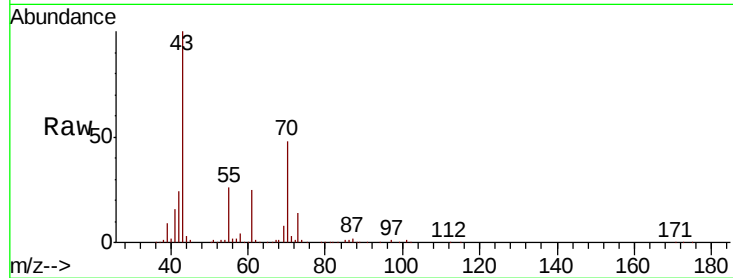
ClientSampleId :

MW-309-SRI4MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
70	48.3	36.4	54.6		
55	26.1	20.2	30.2		
61	26.2	20.5	30.7		

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 55.058 ug/l

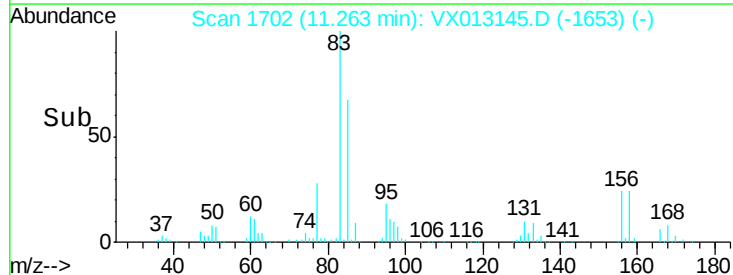
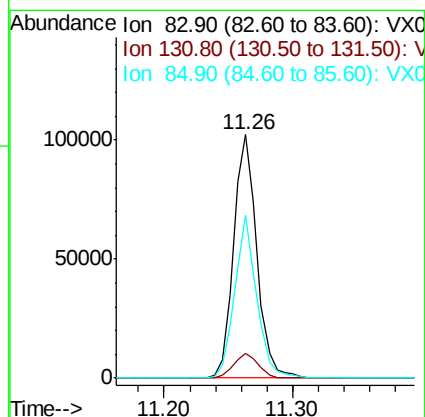
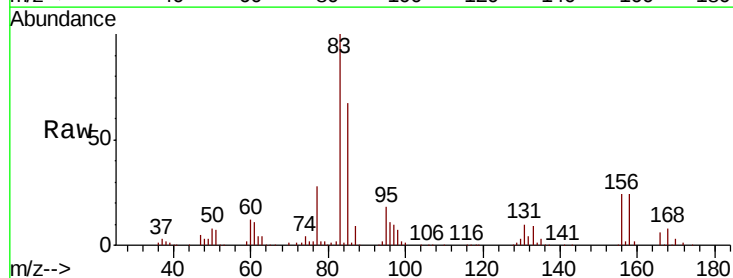
RT: 11.26 min Scan# 1702

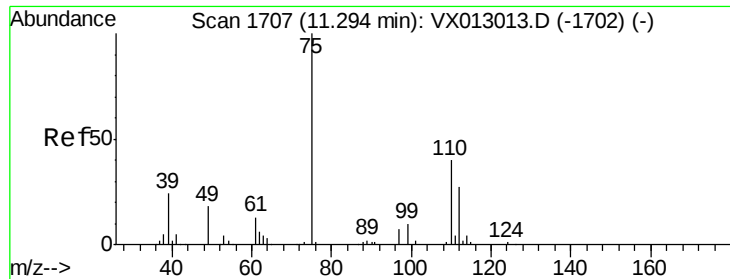
Delta R.T. 0.00 min

Lab File: VX013145.D

Acq: 18 Oct 2019 22:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100				
131	10.6	5.1	15.3		
85	63.5	32.1	96.5		





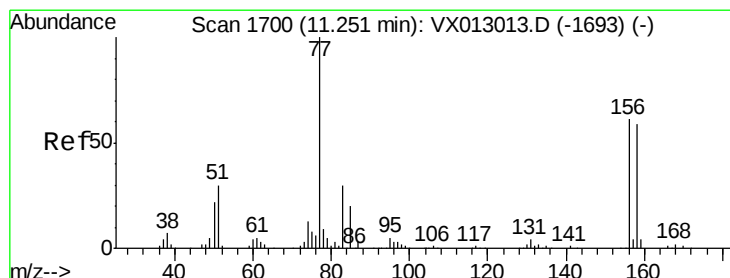
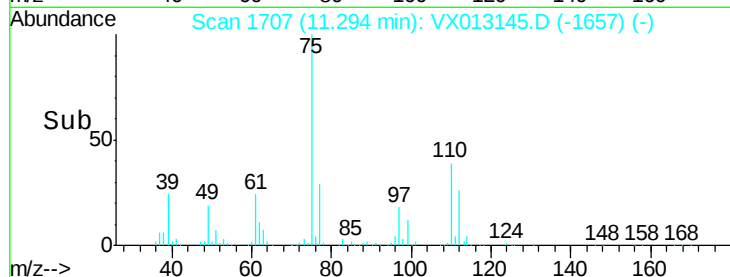
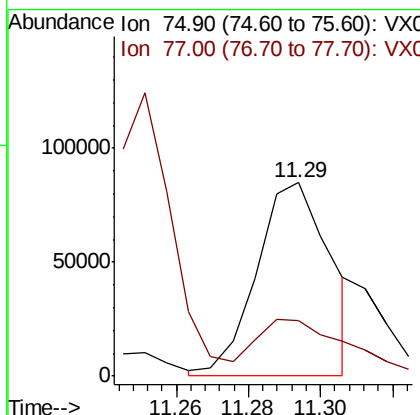
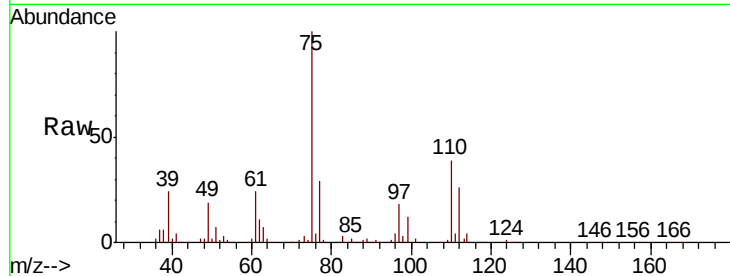
#76
 1,2,3-Trichloropropane
 Concen: 56.893 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.01 min
 Lab File: VX013145.D
 Acq: 18 Oct 2019 22:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-309-SRI4MSD

Tot Ion: 75 Resp: 121050
 Ion Ratio Lower Upper
 75 100
 77 36.3 22.9 68.8

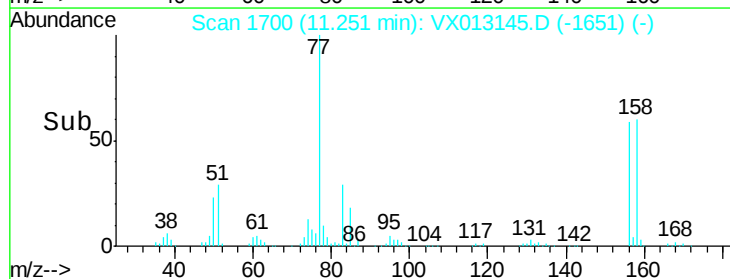
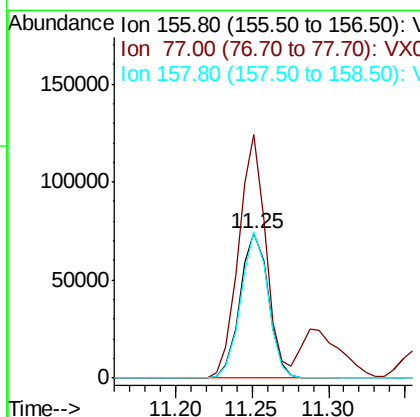
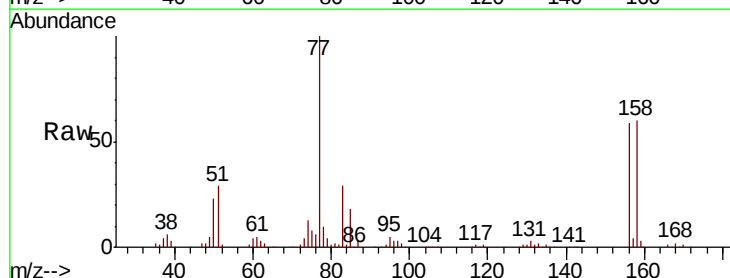
Manual Integrations
 APPROVED

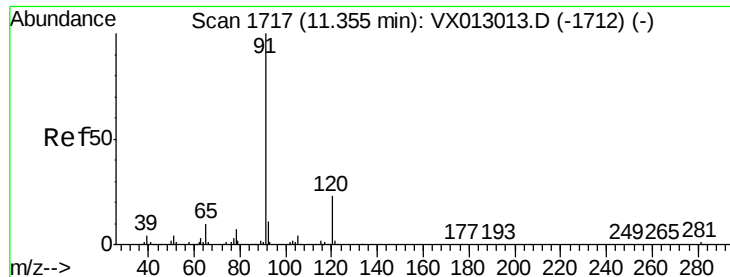
MMDadoda
 10/21/2019 11:03:10 AM



#77
 Bromobenzene
 Concen: 57.085 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VX013145.D
 Acq: 18 Oct 2019 22:10

Tgt Ion: 156 Resp: 94874
 Ion Ratio Lower Upper
 156 100
 77 161.6 83.7 251.0
 158 96.7 48.6 145.9





#78

n-propylbenzene

Concen: 55.501 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013145.D

Acq: 18 Oct 2019 22:10

Instrument :

MSVOA_X

ClientSampleId :

MW-309-SRI4MSD

Tot Ion: 91 Resp: 430724

Ion Ratio Lower Upper

91 100

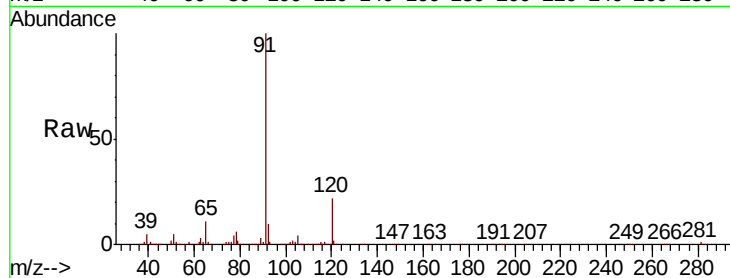
120 23.1 11.7 35.1

Manual Integrations

APPROVED

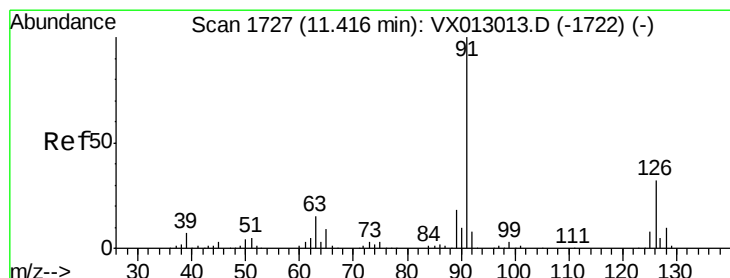
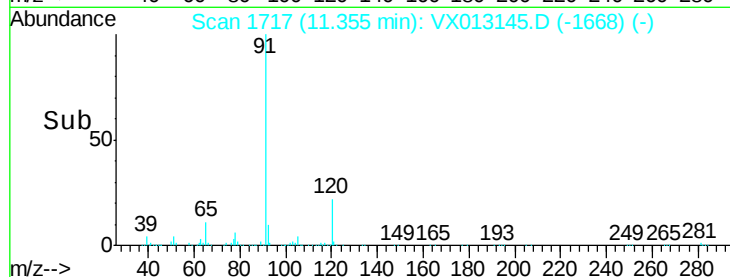
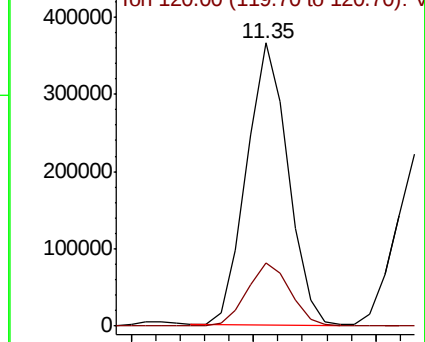
MMDadoda

10/21/2019 11:03:10 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 54.916 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013145.D

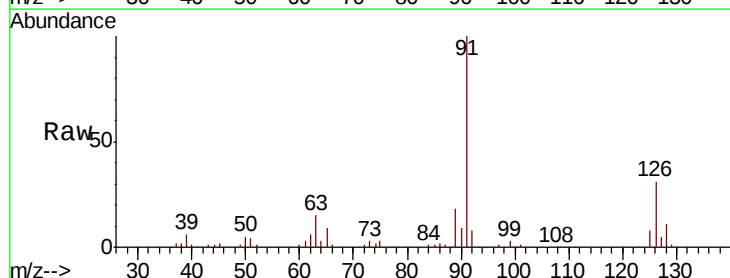
Acq: 18 Oct 2019 22:10

Tgt Ion: 91 Resp: 267842

Ion Ratio Lower Upper

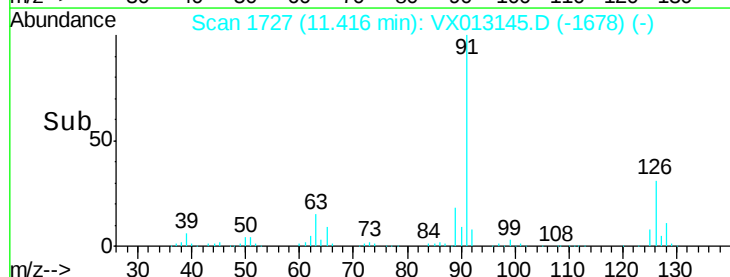
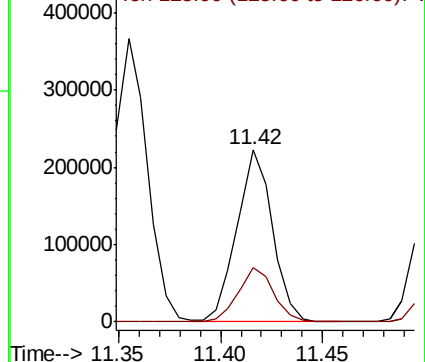
91 100

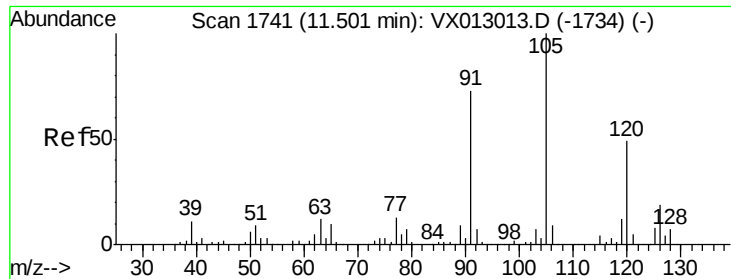
126 31.7 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





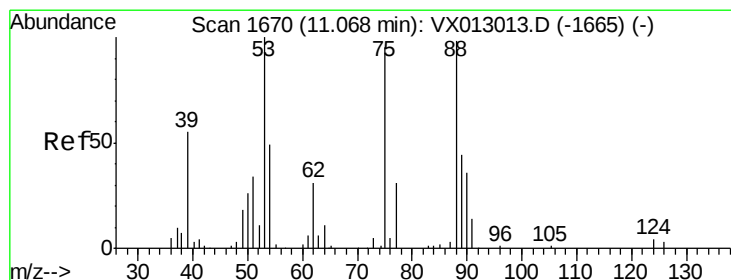
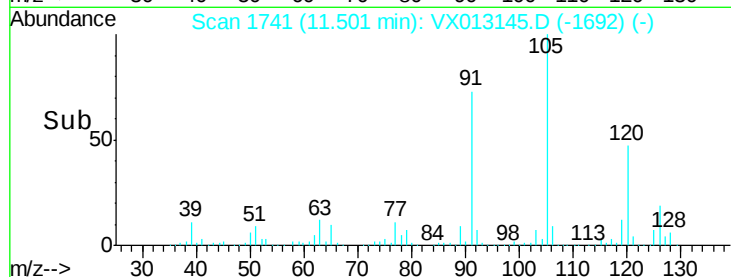
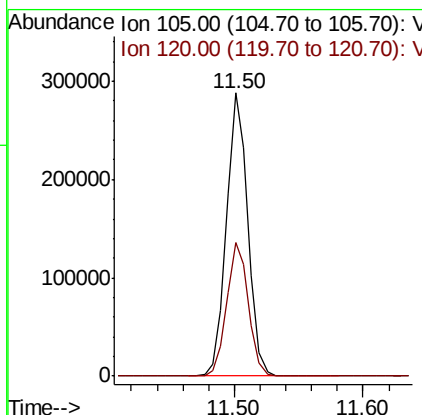
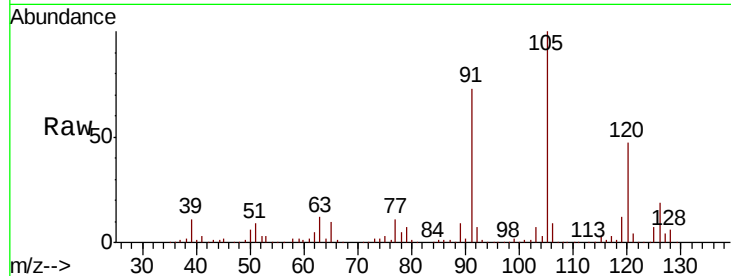
#80
 1,3,5-Trimethylbenzene
 Concen: 57.152 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX013145.D
 Acq: 18 Oct 2019 22:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-309-SRI4MSD

Tot Ion: 105 Resp: 336572
 Ion Ratio Lower Upper
 105 100
 120 47.6 24.8 74.3

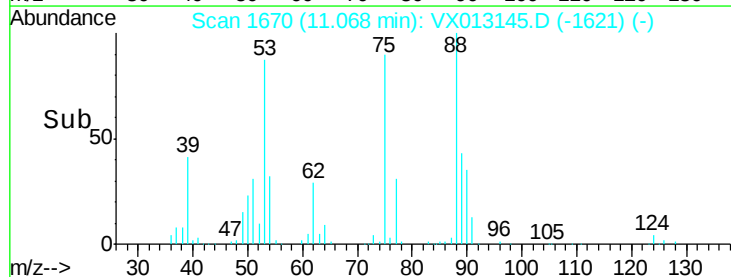
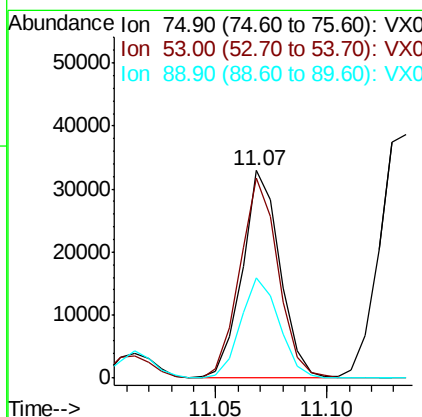
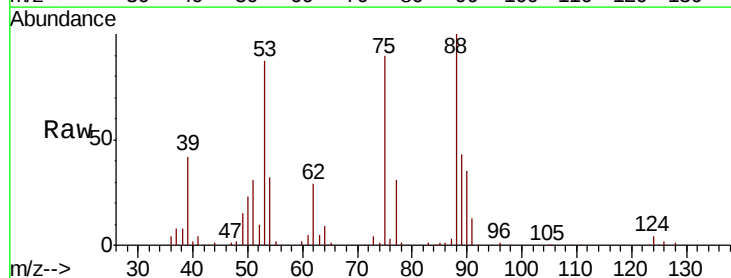
Manual Integrations
 APPROVED

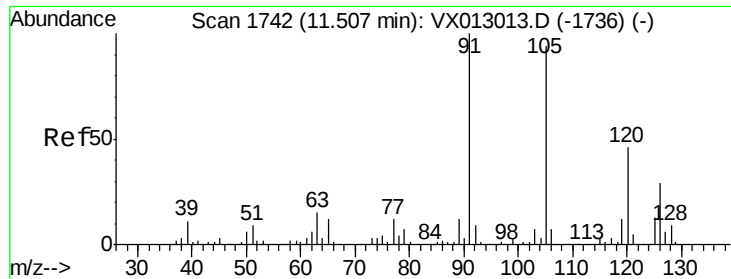
MMDadoda
 10/21/2019 11:03:10 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.572 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VX013145.D
 Acq: 18 Oct 2019 22:10

Tgt Ion: 75 Resp: 39183
 Ion Ratio Lower Upper
 75 100
 53 97.9 78.5 117.7
 89 49.0 37.4 56.2





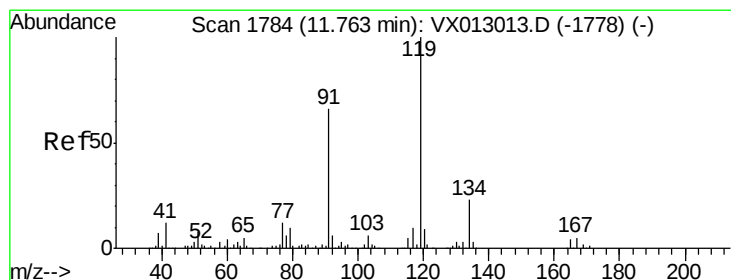
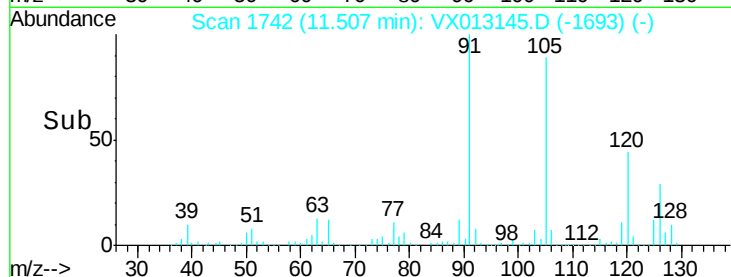
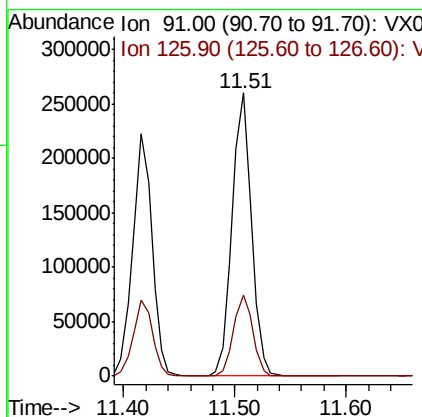
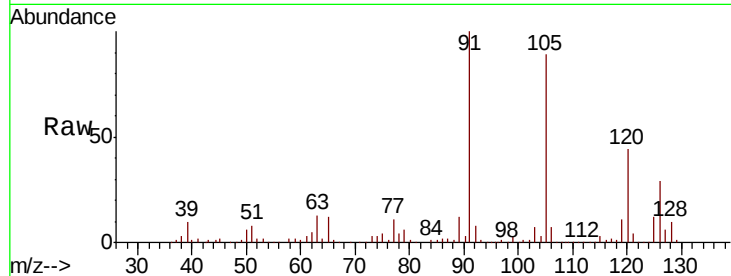
#82
4-Chlorotoluene
Concen: 56.167 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Instrument :
MSVOA_X
ClientSampleId :
MW-309-SRI4MSD

Tot Ion: 91 Resp: 313996
Ion Ratio Lower Upper
91 100
126 28.7 14.2 42.6

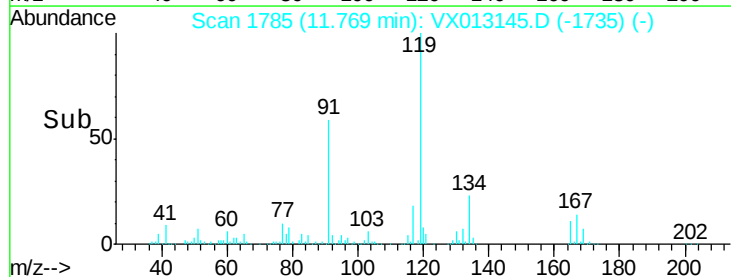
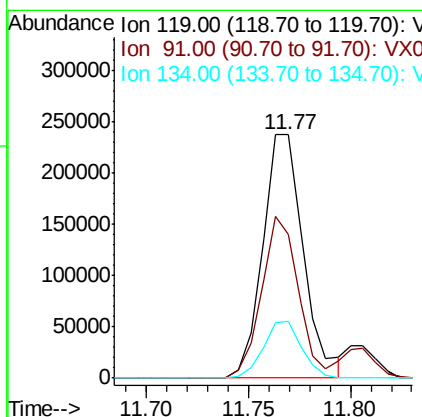
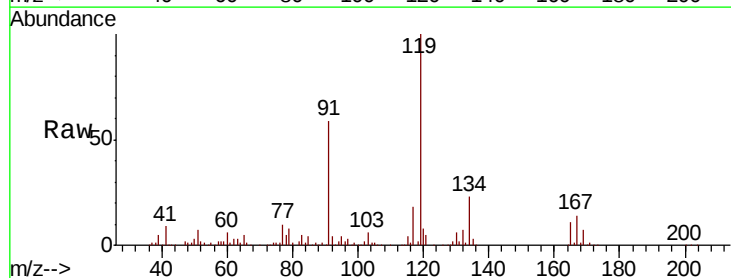
Manual Integrations
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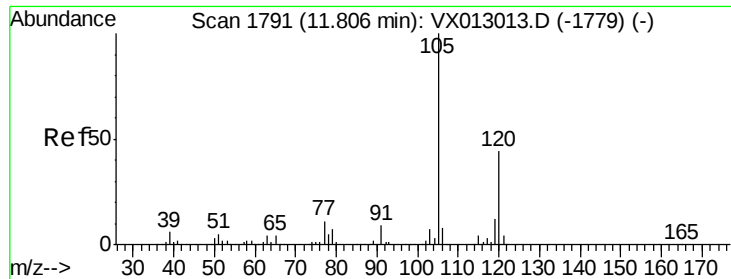
MMDadoda
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#83
tert-Butylbenzene
Concen: 57.466 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Tgt Ion: 119 Resp: 330131
Ion Ratio Lower Upper
119 100
91 59.9 29.3 87.9
134 22.1 11.5 34.4





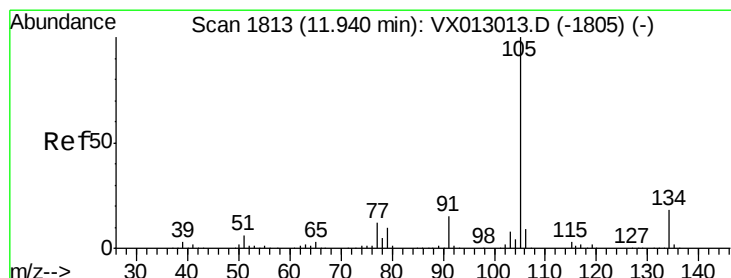
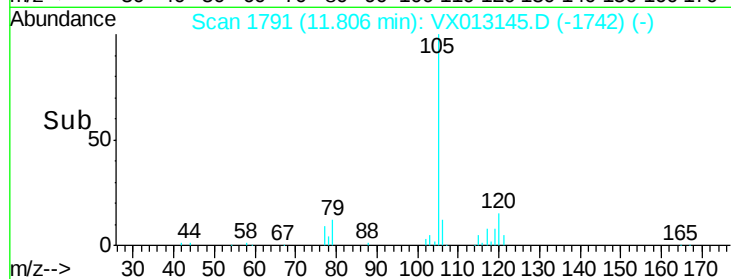
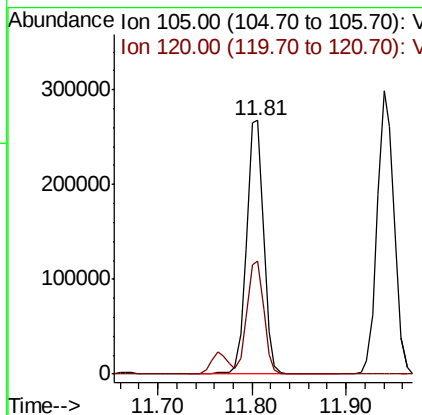
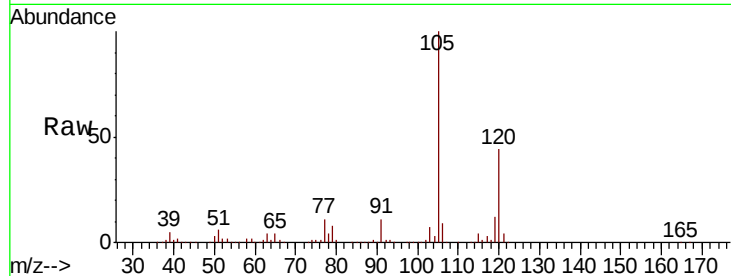
#84
1,2,4-Trimethylbenzene
Concen: 56.411 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Instrument :
MSVOA_X
ClientSampleId :
MW-309-SRI4MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.8	65.3

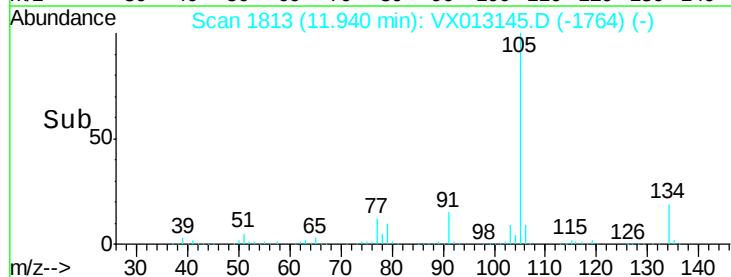
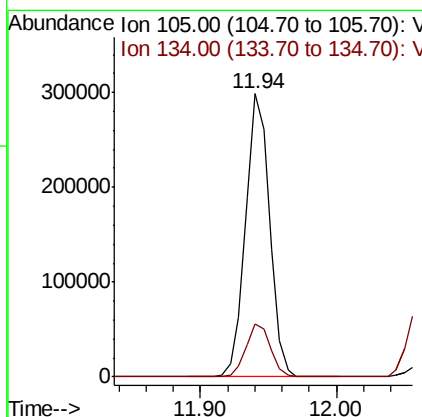
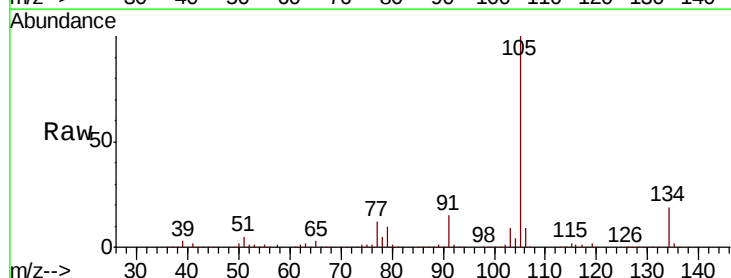
Manual Integrations
APPROVED

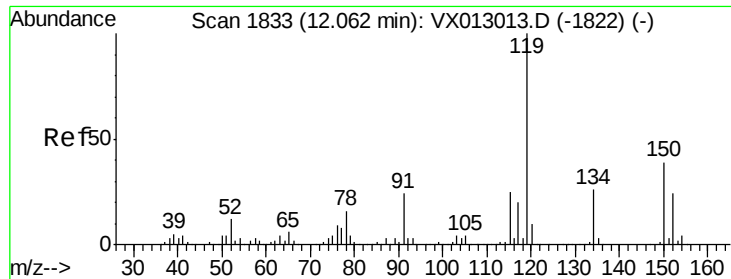
MMDadoda
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#85
sec-Butylbenzene
Concen: 55.443 ug/l
RT: 11.94 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.0	10.0	30.0





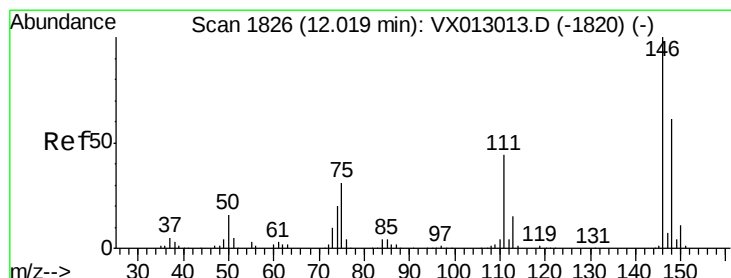
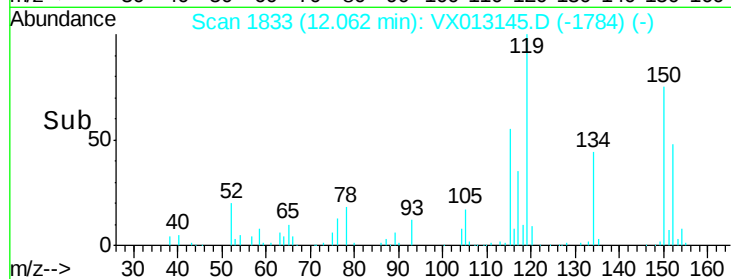
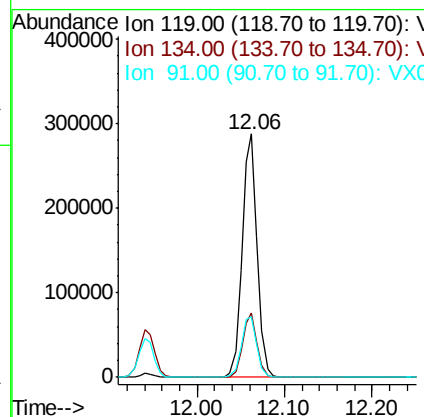
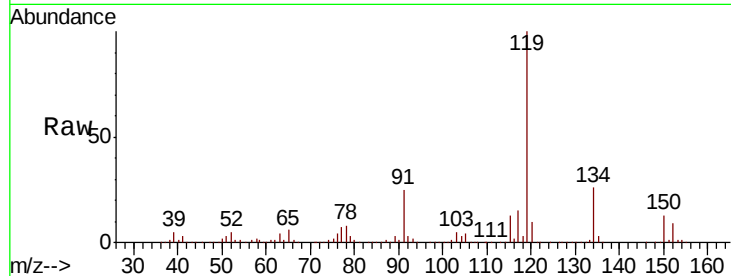
#86
 p-Isopropyltoluene
 Concen: 55.884 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX013145.D
 Acq: 18 Oct 2019 22:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-309-SRI4MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	344956		
134	25.3	12.6	37.8	
91	25.5	12.4	37.4	

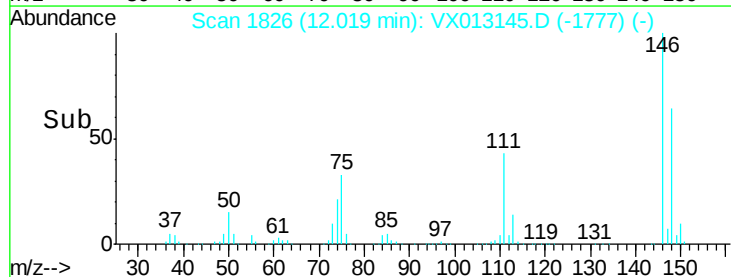
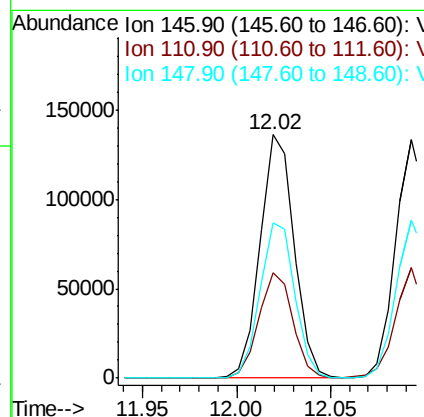
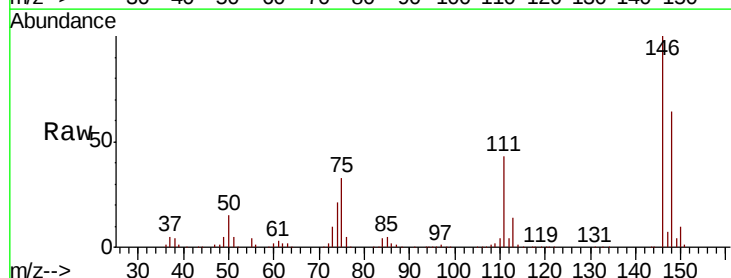
Manual Integrations
 APPROVED

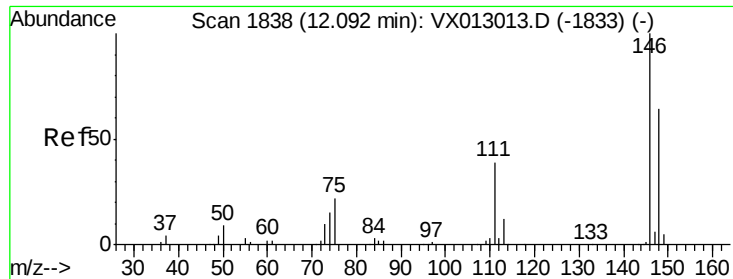
MMDadoda
 10/21/2019 11:03:10 AM



#87
 1,3-Dichlorobenzene
 Concen: 55.345 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX013145.D
 Acq: 18 Oct 2019 22:10

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	170811		
111	43.2	21.1	63.4	
148	65.0	31.6	95.0	





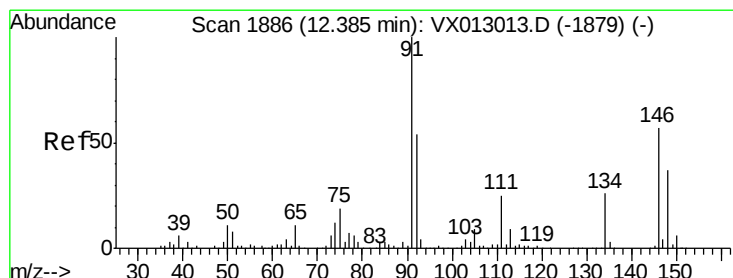
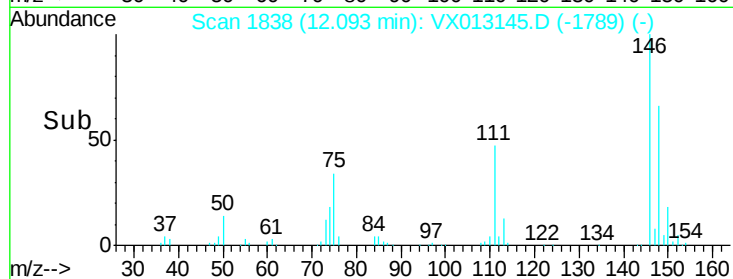
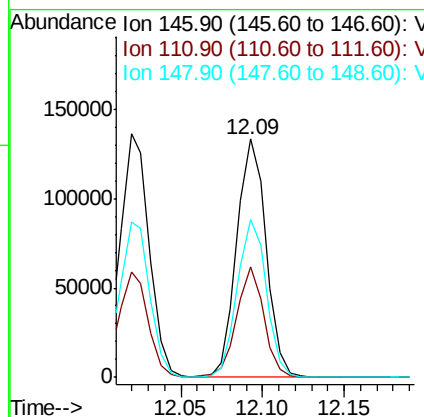
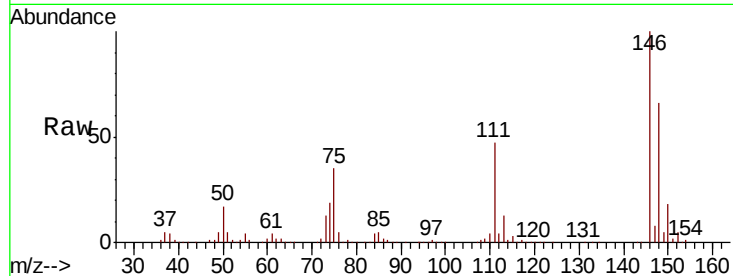
#88
 1,4-Dichlorobenzene
 Concen: 53.327 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013145.D
 Acq: 18 Oct 2019 22:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-309-SRI4MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.4	64.3
148	65.9	32.1	96.5

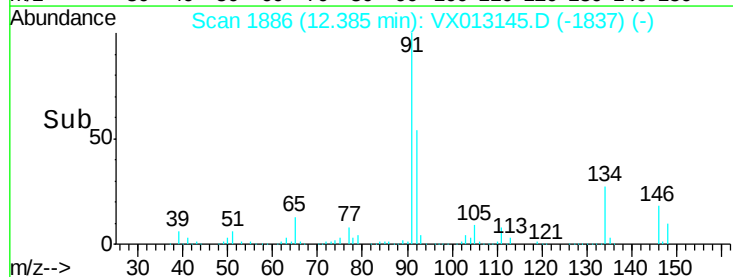
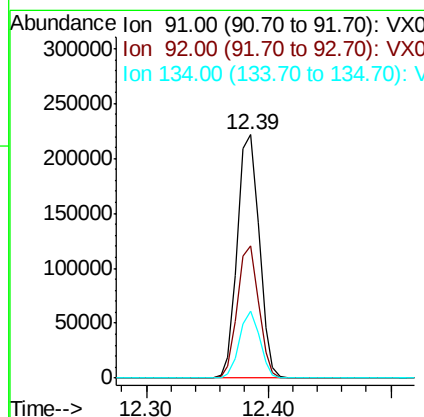
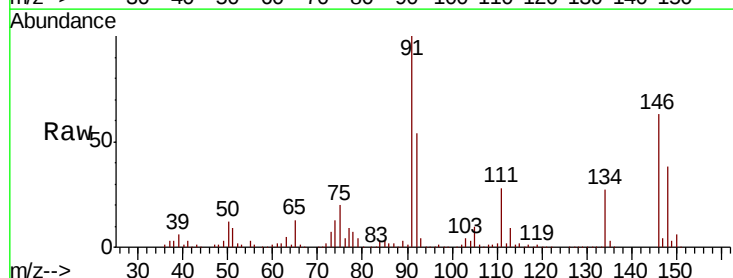
Manual Integrations
 APPROVED

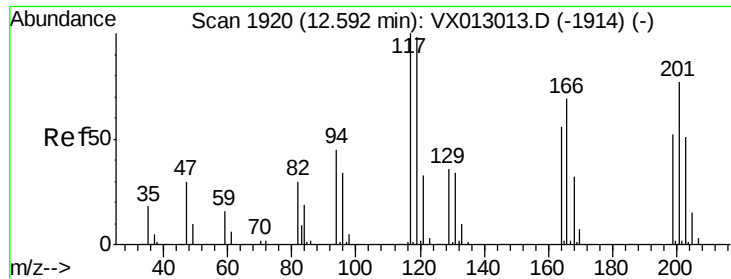
MMDadoda
 10/21/2019 11:03:10 AM



#89
 n-Butylbenzene
 Concen: 52.546 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013145.D
 Acq: 18 Oct 2019 22:10

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.1	27.5	82.5
134	25.6	12.9	38.7





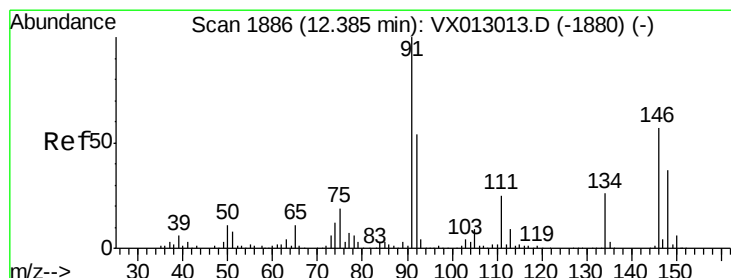
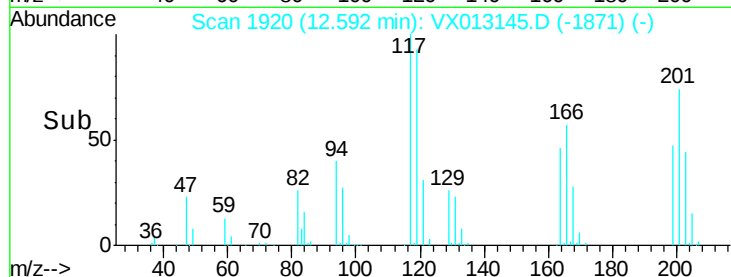
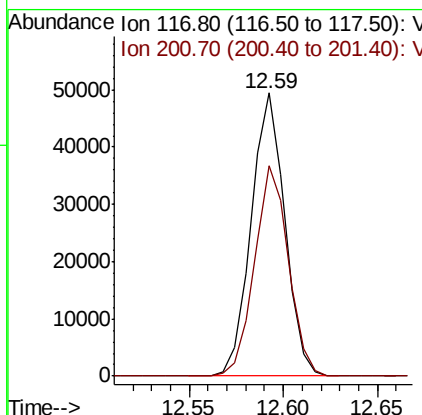
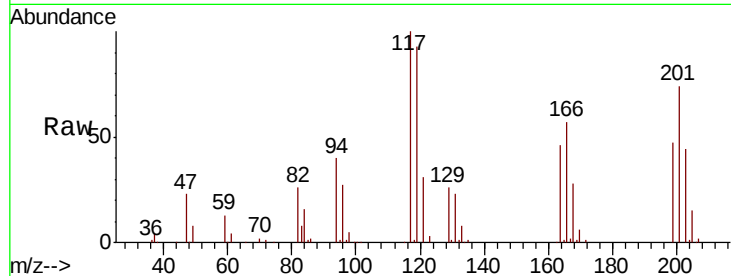
#90
Hexachloroethane
Concen: 53.274 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Instrument :
MSVOA_X
ClientSampleId :
MW-309-SRI4MSD

Tot Ion:117 Resp: 61071
Ion Ratio Lower Upper
117 100
201 75.0 36.9 110.7

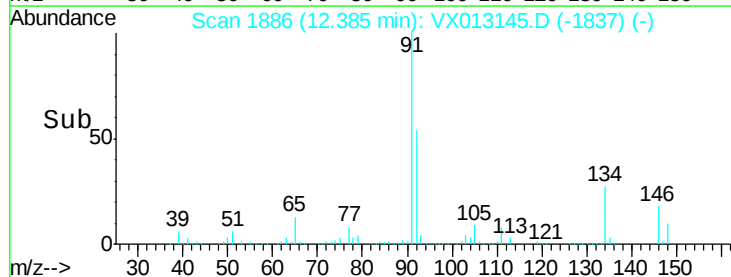
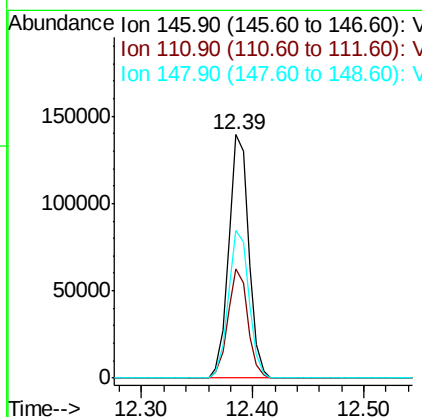
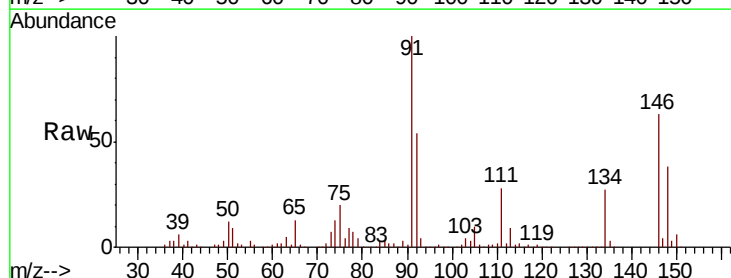
Manual Integrations
APPROVED

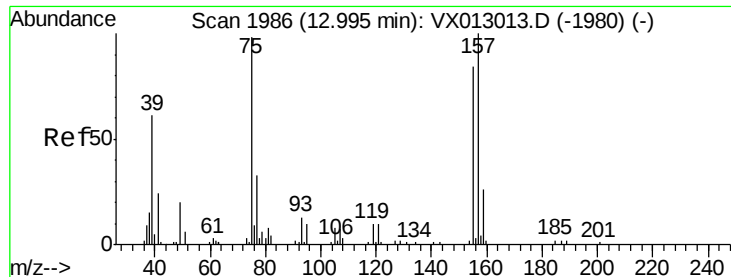
MMDadoda
10/21/2019 11:03:10 AM



#91
1,2-Dichlorobenzene
Concen: 57.047 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013145.D
Acq: 18 Oct 2019 22:10

Tgt Ion:146 Resp: 172607
Ion Ratio Lower Upper
146 100
111 44.4 22.7 68.0
148 62.4 31.6 94.7





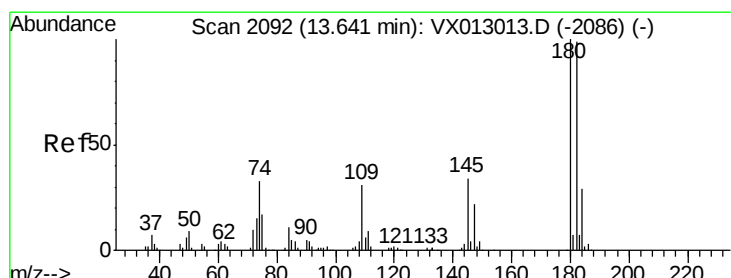
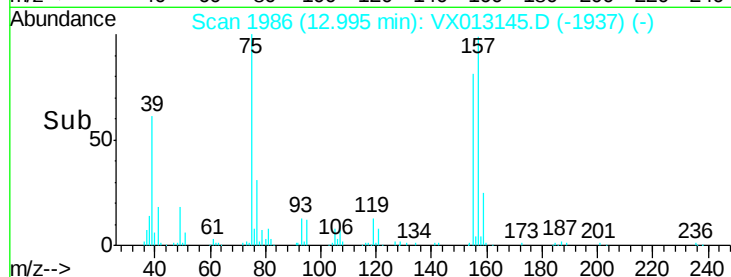
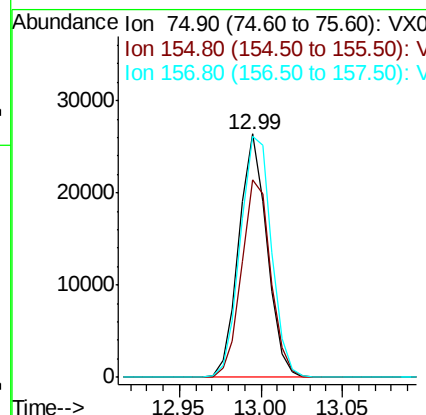
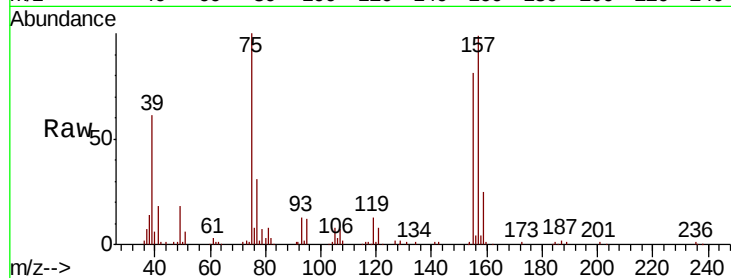
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.720 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX013145.D
 Acq: 18 Oct 2019 22:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-309-SRI4MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	84.4	43.0	128.8
157	109.6	54.1	162.3

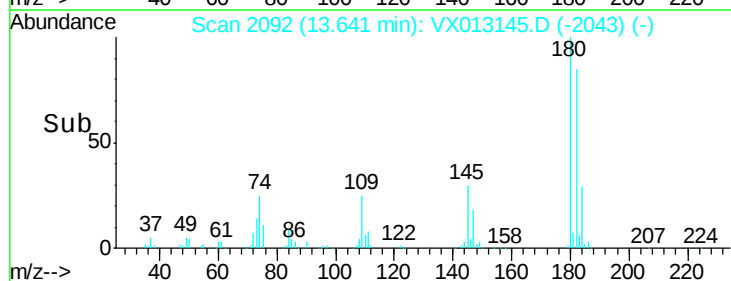
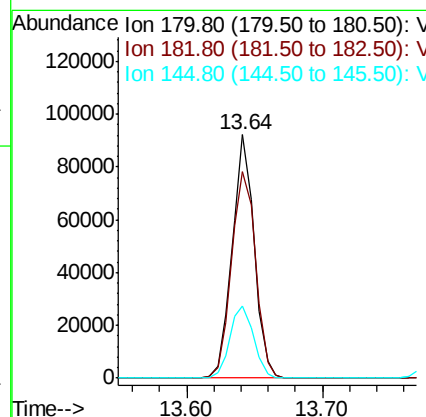
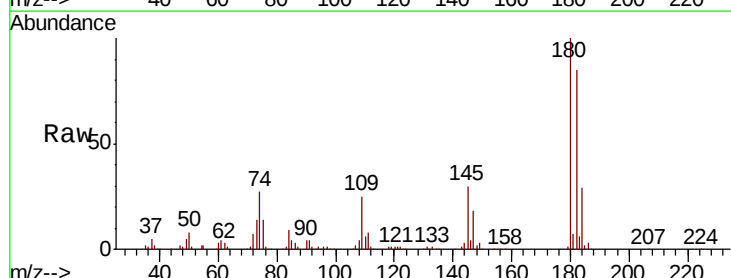
Manual Integrations
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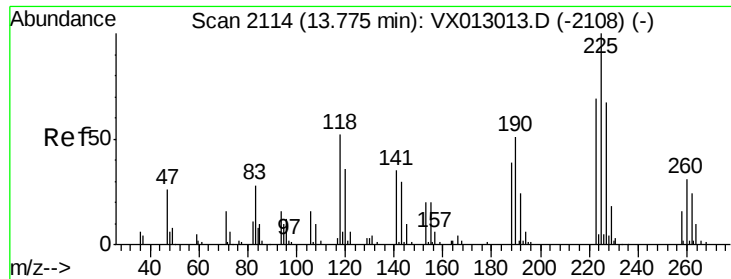
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#93
 1,2,4-Trichlorobenzene
 Concen: 54.438 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX013145.D
 Acq: 18 Oct 2019 22:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	46.8	140.4
145	32.3	16.2	48.6





#94

Hexachlorobutadiene

Concen: 55.750 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. -0.01 min

Lab File: VX013145.D

Acq: 18 Oct 2019 22:10

Instrument :

MSVOA_X

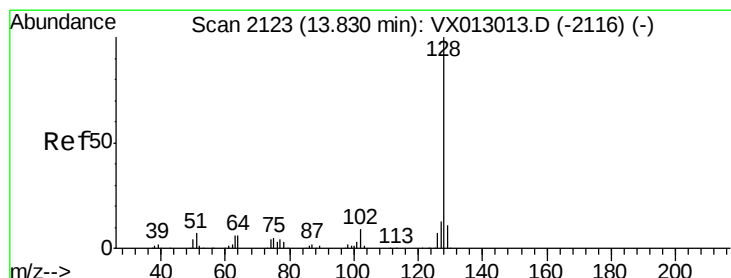
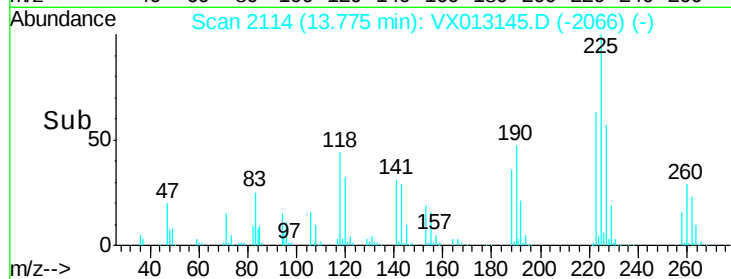
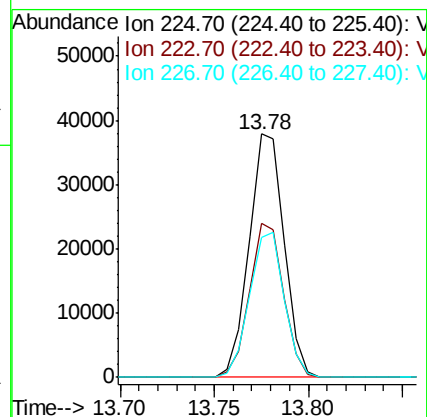
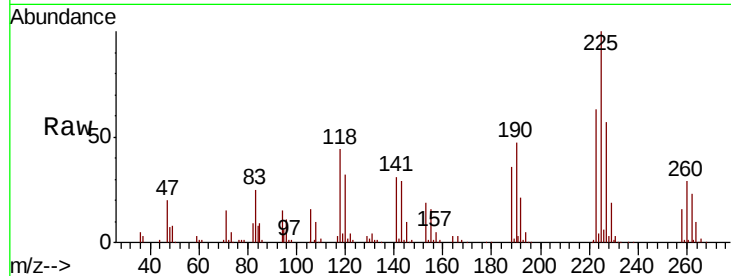
ClientSampleId :

MW-309-SRI4MSD

Tot Ion:	225	Resp:	48765
Ion Ratio	Lower	Upper	
225	100		
223	61.3	31.1	93.2
227	59.1	32.3	96.9

Manual Integrations
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#95

Naphthalene

Concen: 50.159 ug/l

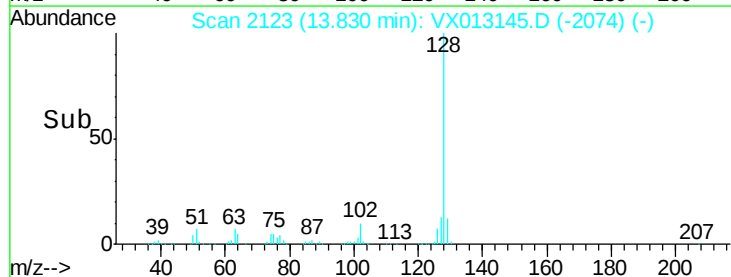
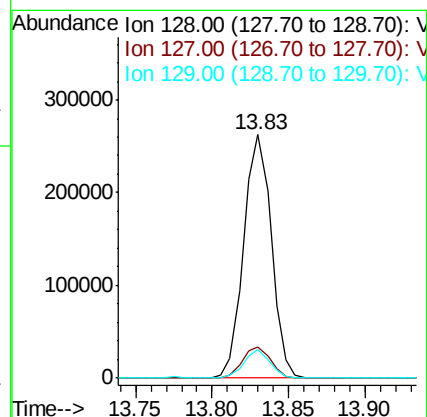
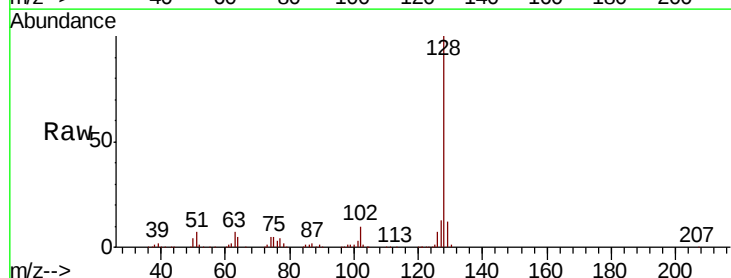
RT: 13.83 min Scan# 2123

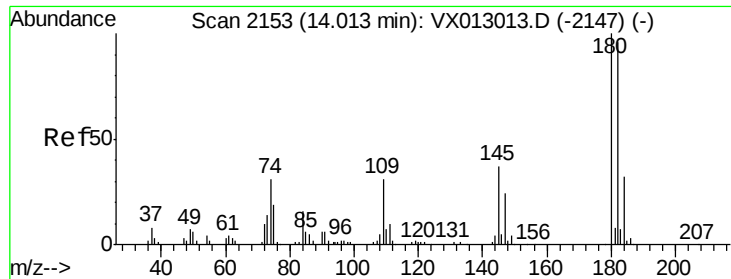
Delta R.T. 0.00 min

Lab File: VX013145.D

Acq: 18 Oct 2019 22:10

Tgt Ion:	128	Resp:	329559
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.4
129	11.0	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 52.606 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX013145.D
 Acq: 18 Oct 2019 22:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-309-SRI4MSD

Tot Ion:	180	Resp:	103036
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.5	142.5
145	33.7	17.4	52.3

Manual Integrations
 APPROVED

MMDadoda
 10/21/2019 11:03:10 AM

