

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101019\
 Data File : VX013005.D
 Acq On : 10 Oct 2019 18:50
 Operator : JC/SP
 Sample : K5261-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0555MSD

Manual Integrations
 APPROVED

MMDadoda
 10/14/2019 1:05:38 PM

Quant Time: Oct 11 08:04:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	158640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	273230	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	246278	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	112987	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	106901	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	
35) Dibromofluoromethane	5.49	113	85232	54.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.70%	
50) Toluene-d8	8.71	98	319995	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
62) 4-Bromofluorobenzene	11.14	95	125075	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	80405	49.723	ug/l	97
3) Chloromethane	1.32	50	91128	51.782	ug/l	98
4) Vinyl Chloride	1.40	62	105900	58.301	ug/l	99
5) Bromomethane	1.63	94	37013	49.019	ug/l	99
6) Chloroethane	1.71	64	57116	51.466	ug/l	98
7) Trichlorofluoromethane	1.92	101	129645	52.880	ug/l	95
8) Diethyl Ether	2.18	74	51878	52.424	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	80887	50.978	ug/l	98
10) Methyl Iodide	2.50	142	100969	55.543	ug/l	99
11) Tert butyl alcohol	3.03	59	125337	238.455	ug/l	98
12) 1,1-Dichloroethene	2.36	96	85637	53.418	ug/l	96
13) Acrolein	2.28	56	93890	251.354	ug/l	99
14) Allyl chloride	2.72	41	150080	52.568	ug/l	99
15) Acrylonitrile	3.13	53	272364	273.433	ug/l	98
16) Acetone	2.44	43	227057	217.252	ug/l	99
17) Carbon Disulfide	2.56	76	222338	48.639	ug/l	100
18) Methyl Acetate	2.76	43	122978	49.643	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	308229	55.675	ug/l	99
20) Methylene Chloride	2.84	84	97926	50.983	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	133583	77.743	ug/l	96
22) Diisopropyl ether	3.84	45	300355	54.903	ug/l	95
23) Vinyl Acetate	3.80	43	1232678	261.014	ug/l	99
24) 1,1-Dichloroethane	3.69	63	173657	56.425	ug/l	100
25) 2-Butanone	4.66	43	371514	256.221	ug/l	99
26) 2,2-Dichloropropane	4.57	77	120590	46.595	ug/l	92
27) cis-1,2-Dichloroethene	4.58	96	213833	107.963	ug/l	95
28) Bromochloromethane	5.00	49	52304	56.929	ug/l	99
29) Tetrahydrofuran	5.12	42	243069	272.418	ug/l	99
30) Chloroform	5.20	83	170386	53.955	ug/l	99
31) Cyclohexane	5.57	56	143849	49.985	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	149442	55.851	ug/l	98
36) 1,1-Dichloropropene	5.79	75	124591	51.864	ug/l	99
37) Ethyl Acetate	4.82	43	133083	49.544	ug/l	100
38) Carbon Tetrachloride	5.78	117	123010	52.609	ug/l	94

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	142012	48.746	ug/l	97
40) Benzene	6.14	78	386358	54.454	ug/l	99
41) Methacrylonitrile	5.03	41	78776	53.370	ug/l	100
42) 1,2-Dichloroethane	6.18	62	139075	54.627	ug/l	99
43) Isopropyl Acetate	6.43	43	223436	51.824	ug/l	100
44) Trichloroethene	7.21	130	132937	67.567	ug/l	94
45) 1,2-Dichloropropane	7.51	63	99607	55.083	ug/l	99
46) Dibromomethane	7.65	93	66203	54.950	ug/l	99
47) Bromodichloromethane	7.89	83	130102	55.335	ug/l	99
48) Methyl methacrylate	7.76	41	113577	54.059	ug/l	99
49) 1,4-Dioxane	7.73	88	49562	883.292	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	732008	272.318	ug/l	100
52) Toluene	8.78	92	243454	53.635	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	138970	47.477	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	154090	53.286	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	100252	55.809	ug/l	99
56) Ethyl methacrylate	9.17	69	164118	50.984	ug/l	99
57) 1,3-Dichloropropane	9.37	76	168208	54.133	ug/l	99
59) 2-Hexanone	9.49	43	563277	269.190	ug/l	100
60) Dibromochloromethane	9.58	129	100802	50.410	ug/l	99
61) 1,2-Dibromoethane	9.67	107	102971	54.492	ug/l	100
64) Tetrachloroethene	9.33	164	86512	50.646	ug/l	95
65) Chlorobenzene	10.14	112	254817	52.102	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	93645	55.224	ug/l	99
67) Ethyl Benzene	10.25	91	459894	52.939	ug/l	99
68) m/p-Xylenes	10.35	106	348865	107.495	ug/l	99
69) o-Xylene	10.70	106	169769	53.642	ug/l	99
70) Stvrene	10.71	104	294038	54.651	ug/l	99
71) Bromoform	10.85	173	68043	47.284	ug/l #	100
73) Isopropylbenzene	11.01	105	447189	53.833	ug/l	100
74) N-amyl acetate	10.89	43	187297	52.352	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	151325	54.770	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	143255m	57.164	ug/l	
77) Bromobenzene	11.25	156	103788	53.020	ug/l	98
78) n-propylbenzene	11.35	91	477283	52.215	ug/l	100
79) 2-Chlorotoluene	11.42	91	312113	54.331	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	379714	54.742	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	44687	46.193	ug/l	98
82) 4-Chlorotoluene	11.51	91	348396	52.911	ug/l	99
83) tert-Butylbenzene	11.77	119	365537	54.023	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	382807	54.492	ug/l	100
85) sec-Butylbenzene	11.94	105	420922	53.695	ug/l	100
86) p-Isopropyltoluene	12.06	119	386553	53.168	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	188185	51.768	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	188418	51.179	ug/l	99
89) n-Butylbenzene	12.39	91	321019	52.536	ug/l	99
90) Hexachloroethane	12.59	117	66150	49.162	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	187559	52.630	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	36235	55.954	ug/l	97
93) 1,2,4-Trichlorobenzene	13.64	180	113056	50.643	ug/l	98

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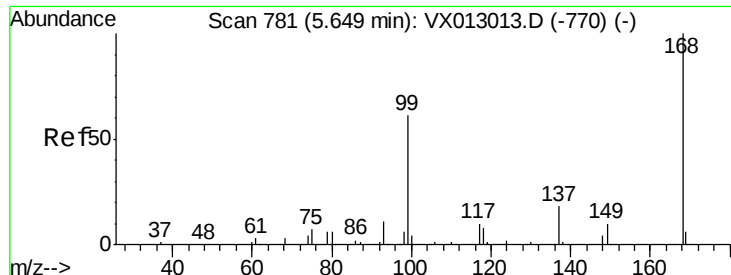
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	48999	47.560	ug/l	99
95) Naphthalene	13.83	128	409928	52.971	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	117111	50.764	ug/l	100

(#) = 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: VX013005.D

Acq: 10 Oct 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

S49-0555MSD

Tot Ion:168 Resp: 158640

Ion Ratio Lower Upper

168 100

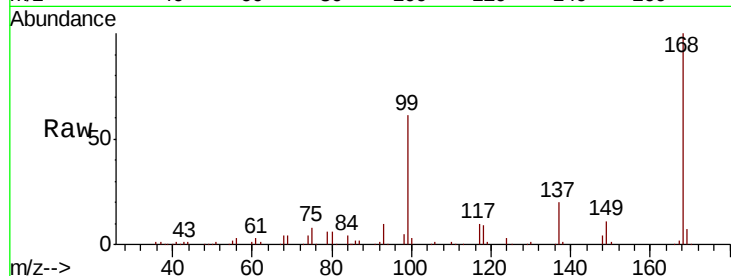
99 60.9 49.4 74.0

Manual Integrations

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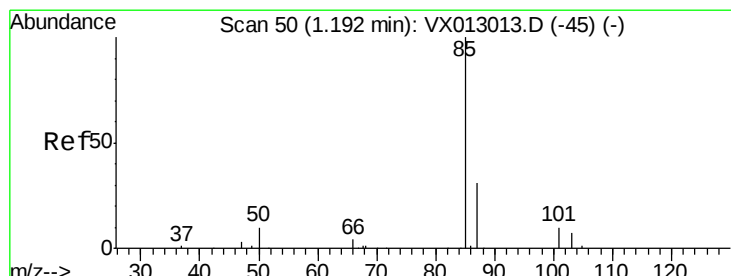
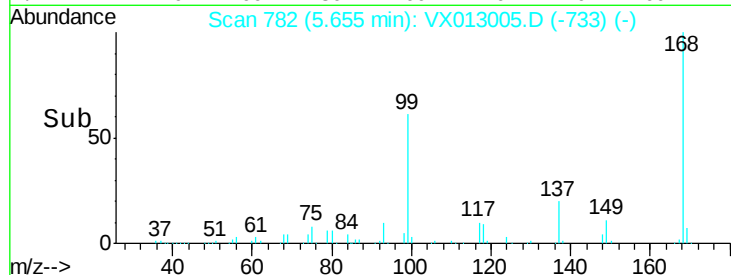
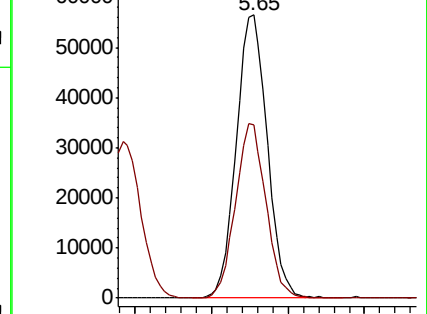
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 49.723 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX013005.D

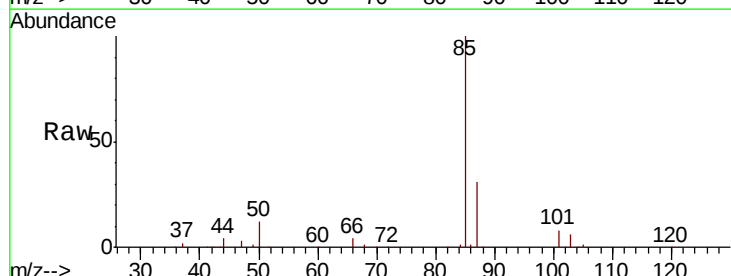
Acq: 10 Oct 2019 18:50

Tgt Ion: 85 Resp: 80405

Ion Ratio Lower Upper

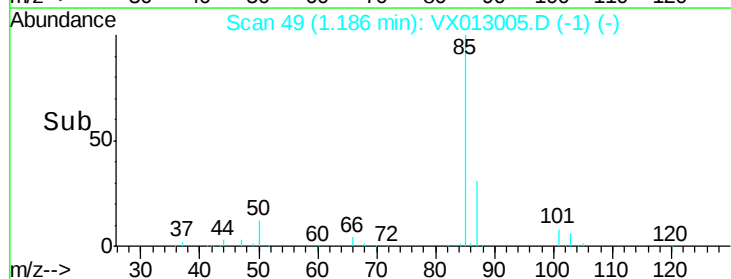
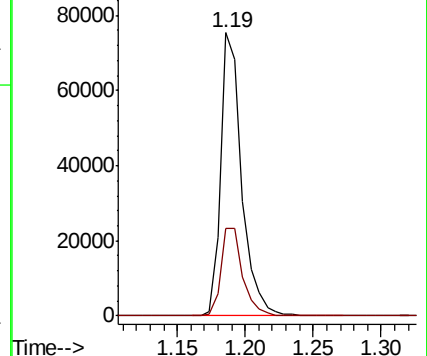
85 100

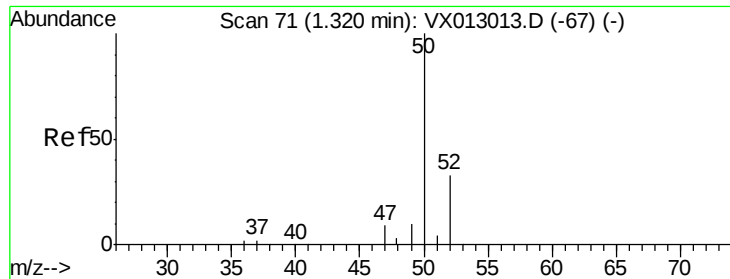
87 31.0 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 51.782 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013005.D

Acq: 10 Oct 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

S49-0555MSD

Tot Ion: 50 Resp: 91128

Ion Ratio Lower Upper

50 100

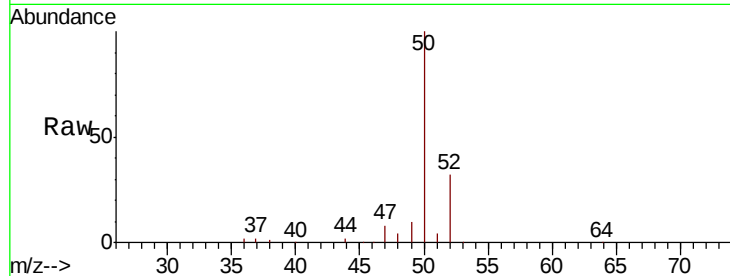
52 32.4 25.2 37.8

Manual Integrations

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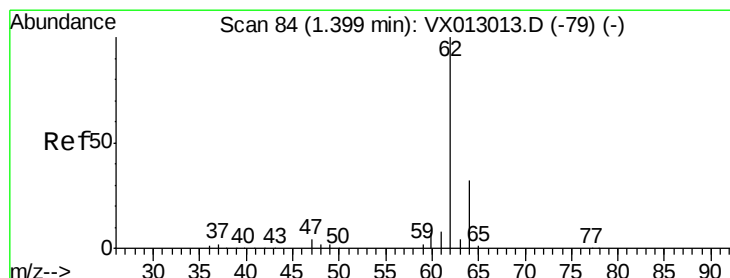
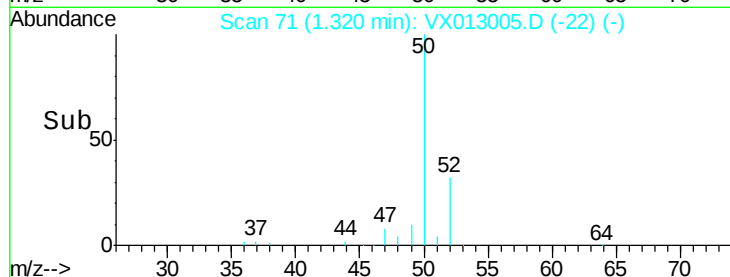
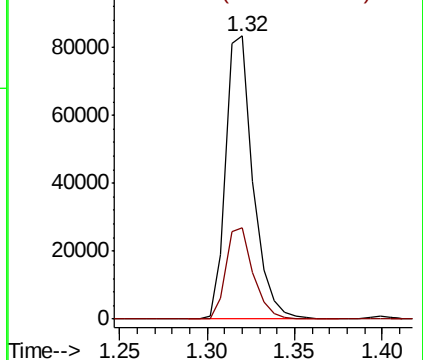
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 58.301 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013005.D

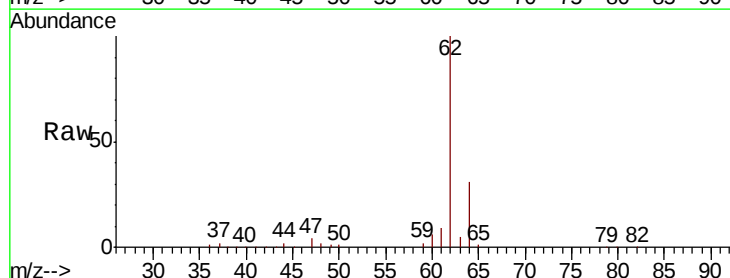
Acq: 10 Oct 2019 18:50

Tgt Ion: 62 Resp: 105900

Ion Ratio Lower Upper

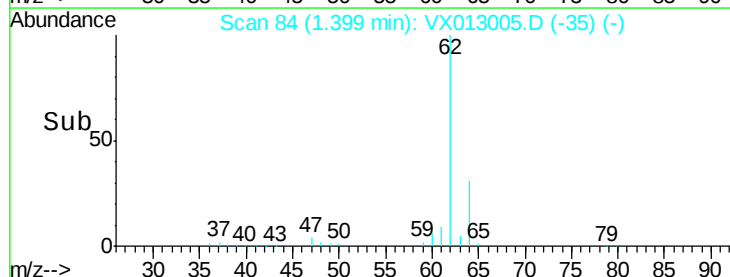
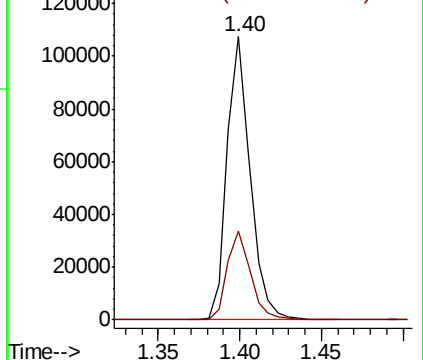
62 100

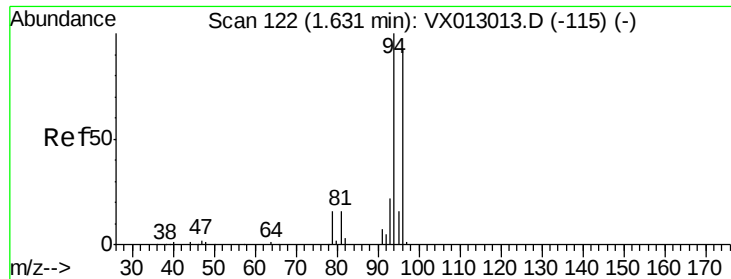
64 31.3 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 49.019 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013005.D

Acq: 10 Oct 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

S49-0555MSD

Tot Ion: 94 Resp: 37013

Ion Ratio Lower Upper

94 100

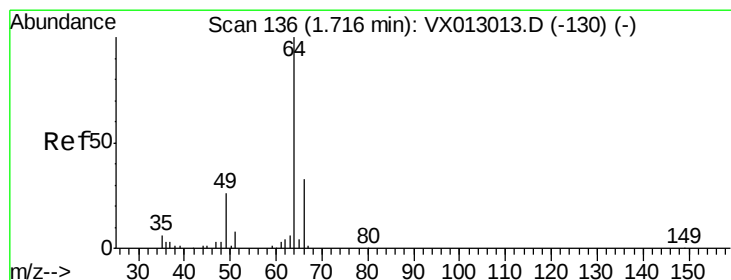
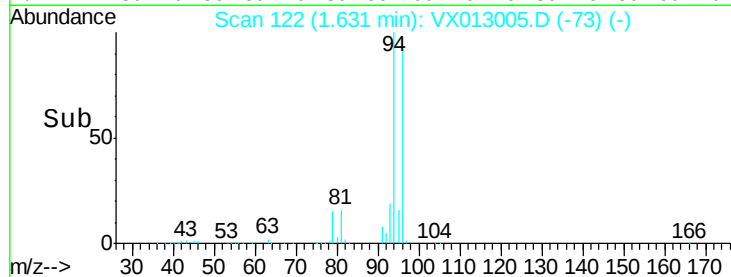
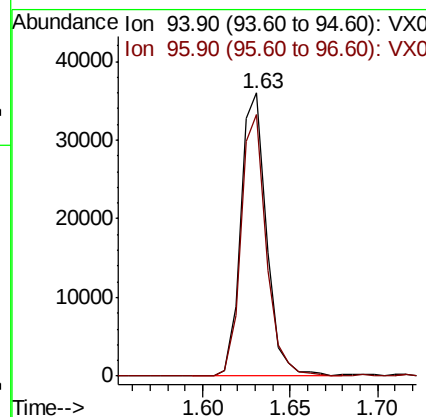
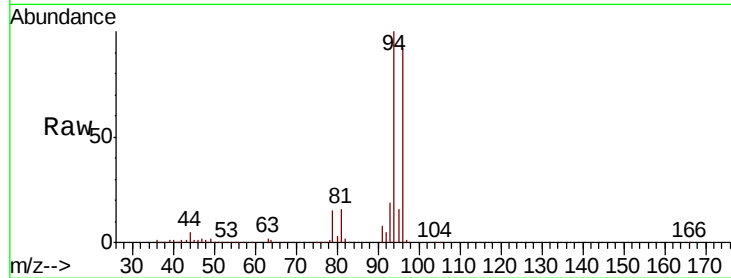
96 92.3 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 51.466 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013005.D

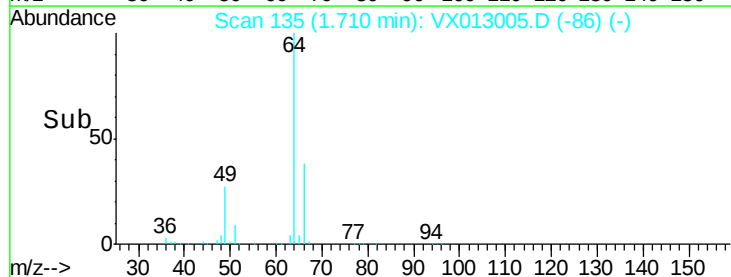
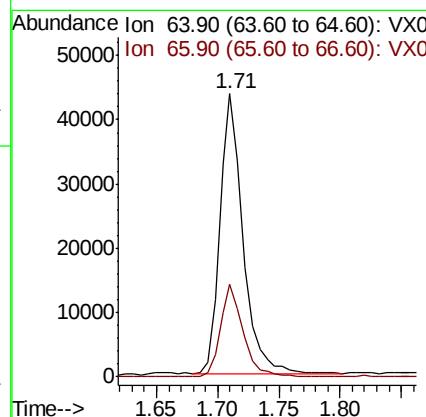
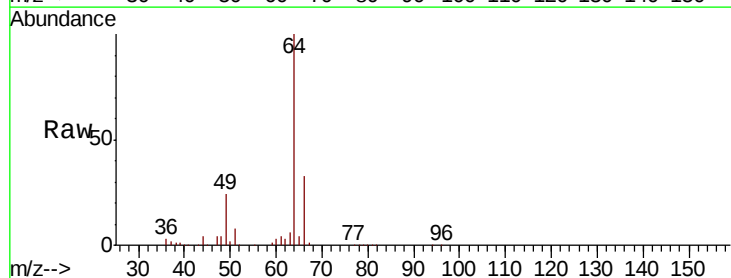
Acq: 10 Oct 2019 18:50

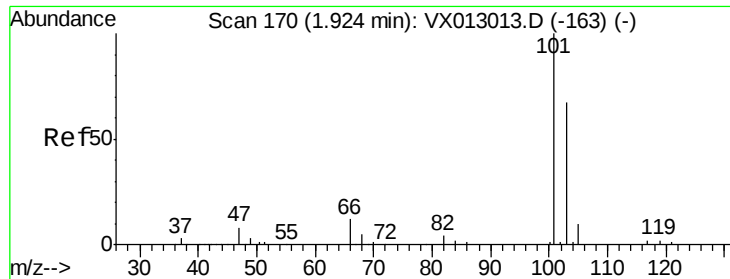
Tgt Ion: 64 Resp: 57116

Ion Ratio Lower Upper

64 100

66 32.9 25.6 38.4





#7

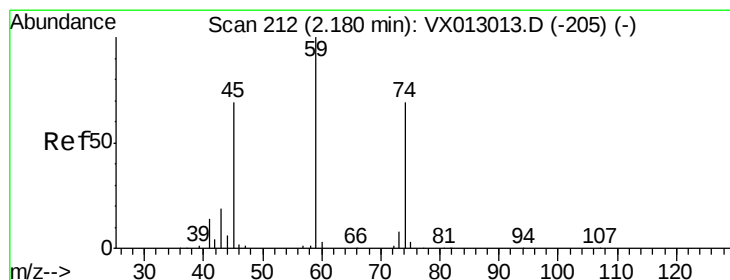
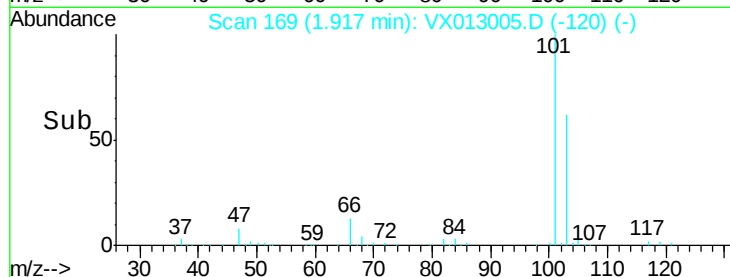
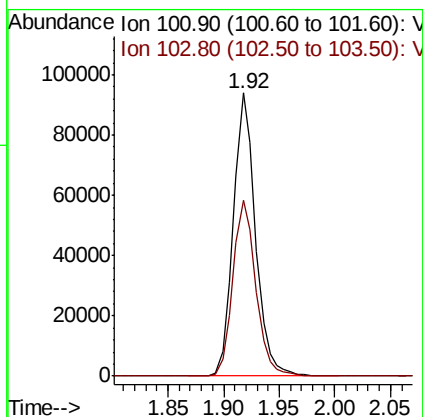
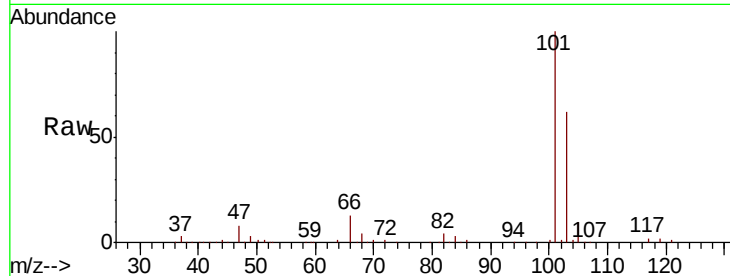
Trichlorofluoromethane
Concen: 52.880 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX013005.D
Acq: 10 Oct 2019 18:50

Instrument :
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ClientSampleId :
S49-0555MSD

Tot Ion:101 Resp: 129645
Ion Ratio Lower Upper
101 100
103 62.0 52.5 78.7

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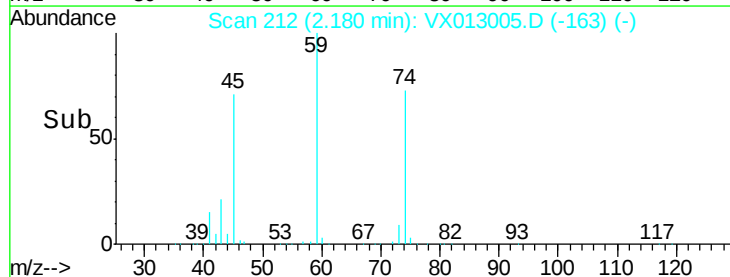
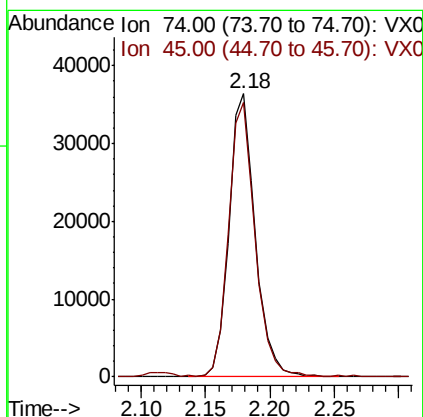
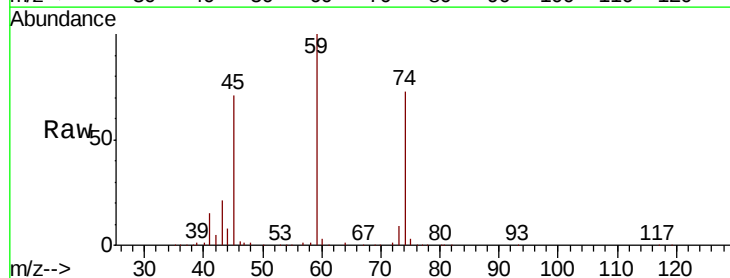
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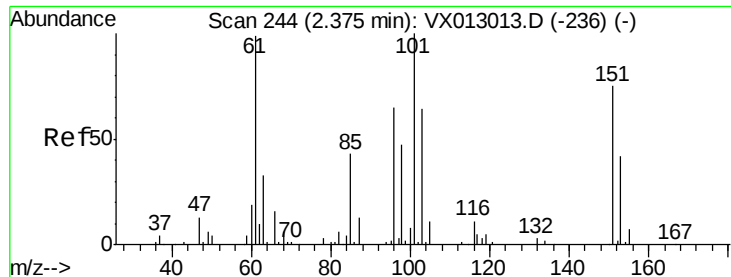


#8

Diethyl Ether
Concen: 52.424 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013005.D
Acq: 10 Oct 2019 18:50

Tgt Ion: 74 Resp: 51878
Ion Ratio Lower Upper
74 100
45 97.1 47.8 143.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.978 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013005.D

Acq: 10 Oct 2019 18:50

Instrument :

MSVOA_X

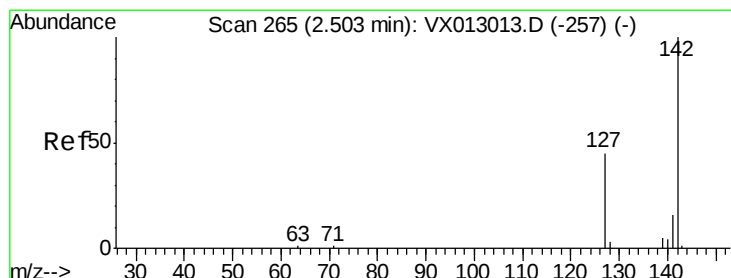
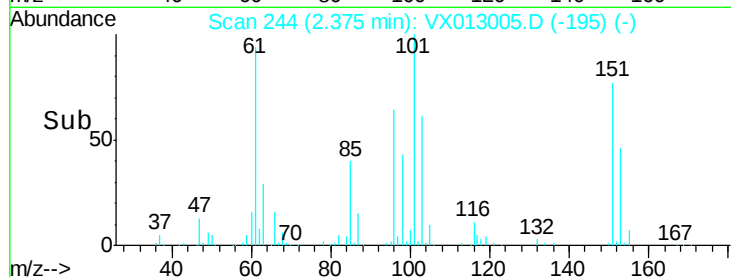
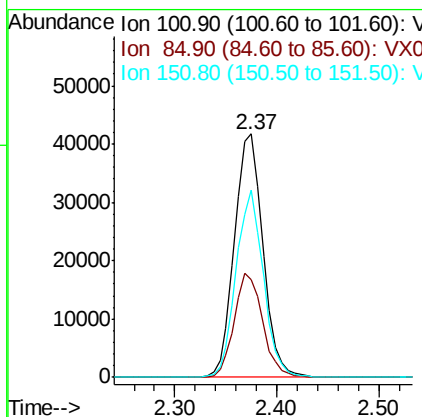
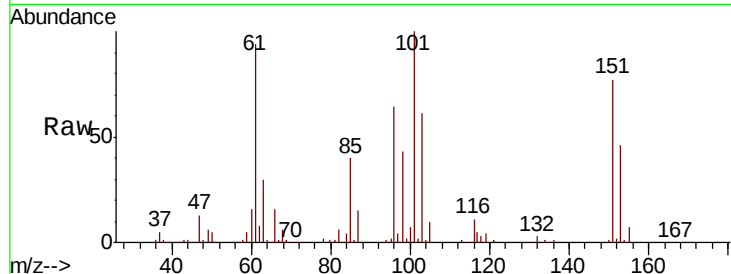
ClientSampleId :

S49-0555MSD

Tot Ion:	101	Resp:	80887
Ion Ratio	Lower	Upper	
101	100		
85	42.2	35.2	52.8
151	73.5	60.3	90.5

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#10

Methyl Iodide

Concen: 55.543 ug/l

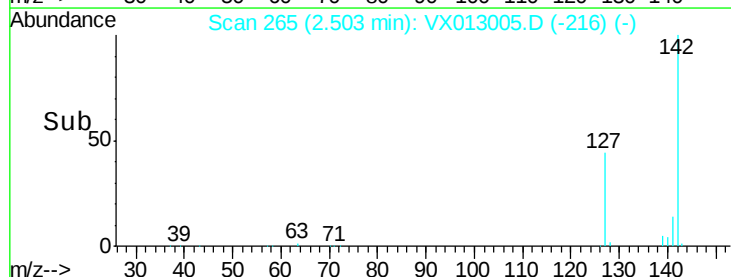
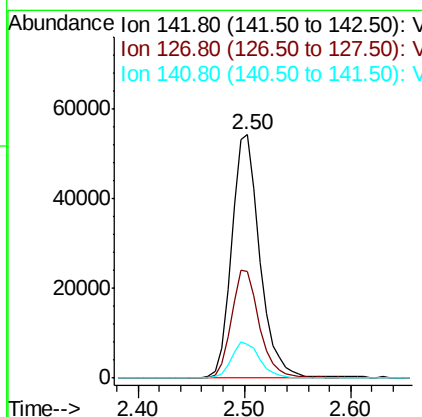
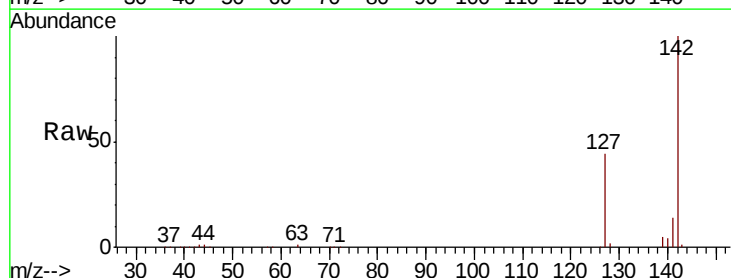
RT: 2.50 min Scan# 265

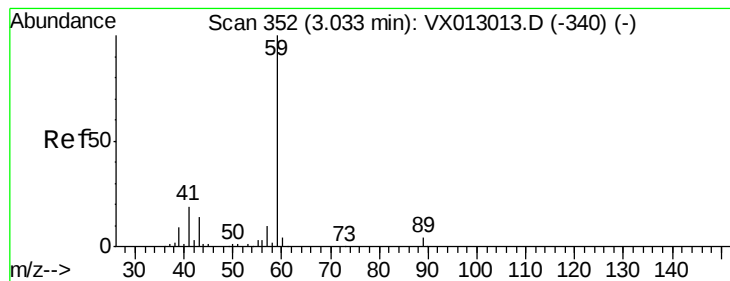
Delta R.T. 0.00 min

Lab File: VX013005.D

Acq: 10 Oct 2019 18:50

Tgt Ion:	142	Resp:	100969
Ion Ratio	Lower	Upper	
142	100		
127	44.0	34.9	52.3
141	14.8	11.6	17.4





#11

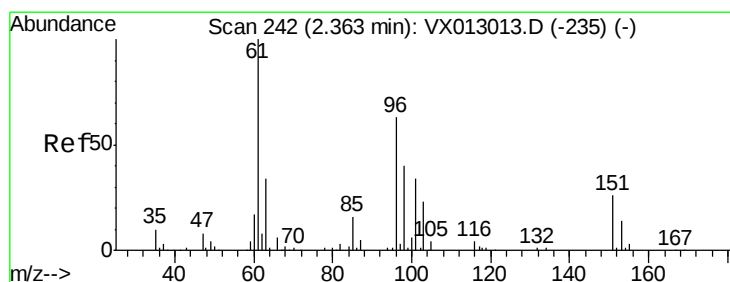
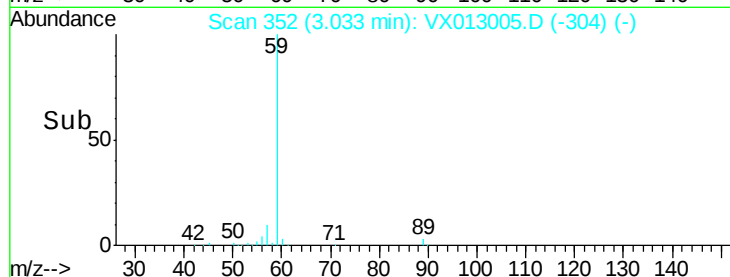
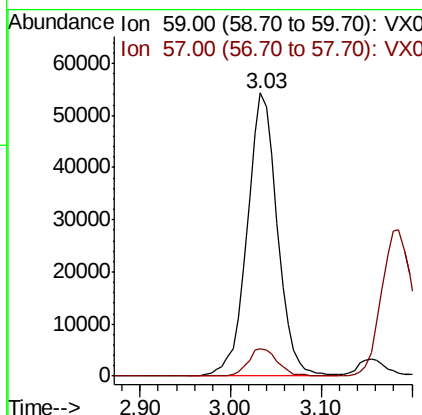
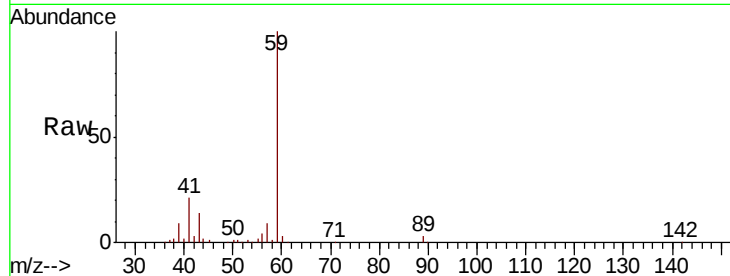
Tert butyl alcohol
 Concen: 238.455 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX013005.D
 Acq: 10 Oct 2019 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0555MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.3	12.5

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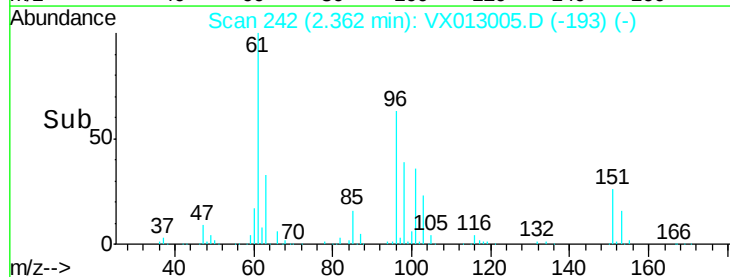
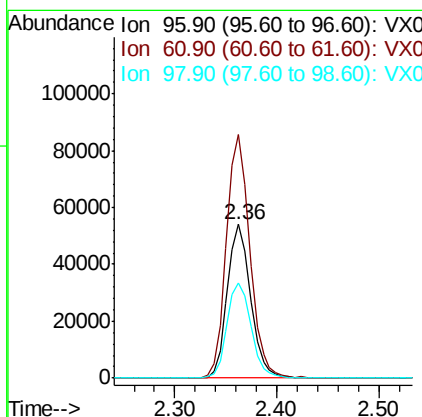
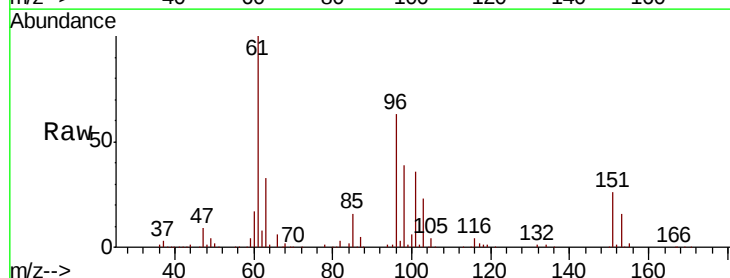
MMDadoda
 10/14/2019 1:05:38 PM

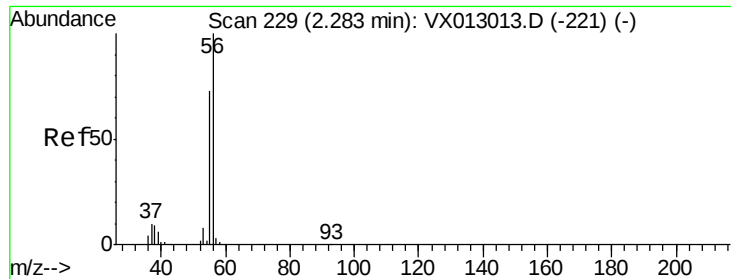


#12

1,1-Dichloroethene
 Concen: 53.418 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VX013005.D
 Acq: 10 Oct 2019 18:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.5	132.2	198.4
98	62.1	50.5	75.7





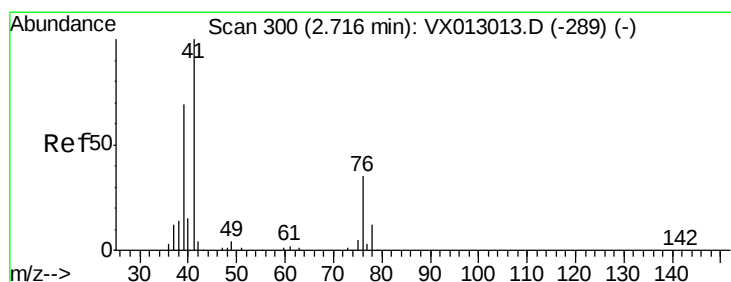
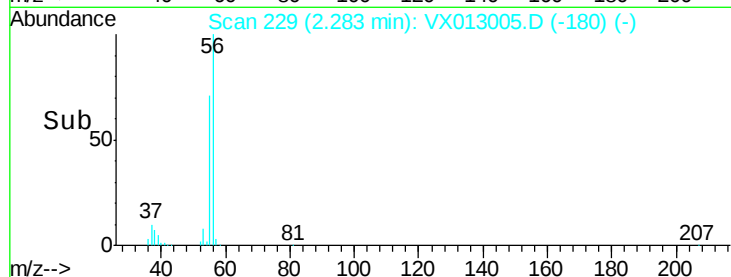
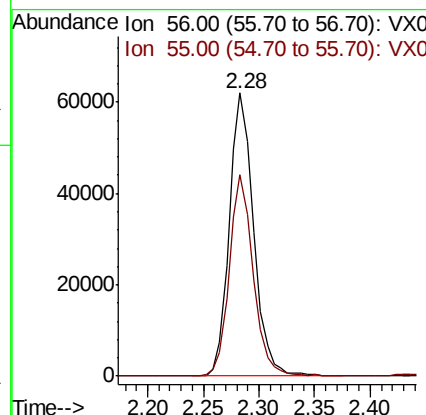
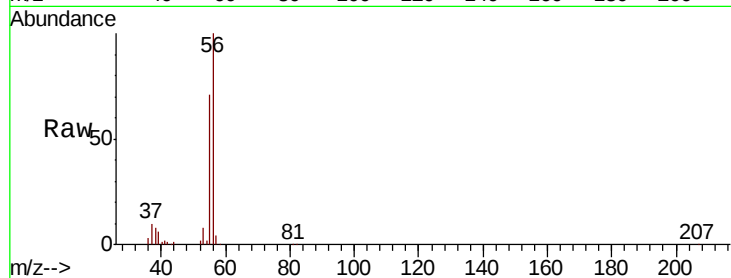
#13
Acrolein
Concen: 251.354 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX013005.D
Acq: 10 Oct 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :
S49-0555MSD

Tot Ion	56	Resp	93890
Ion Ratio	Lower	Upper	
56	100		
55	70.2	56.6	85.0

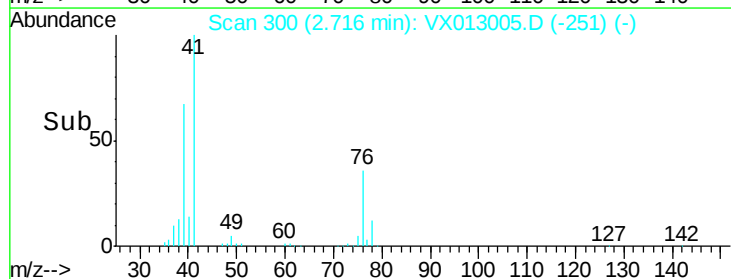
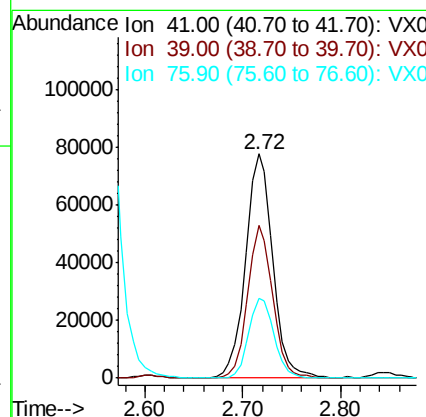
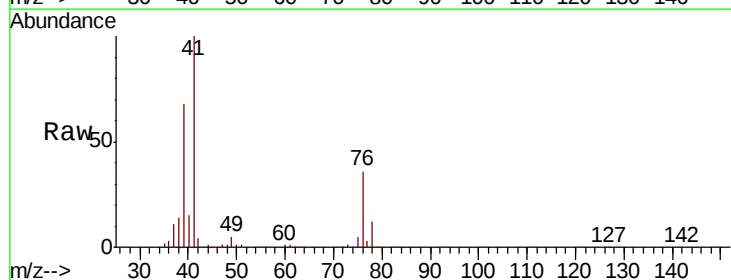
Manual Integrations
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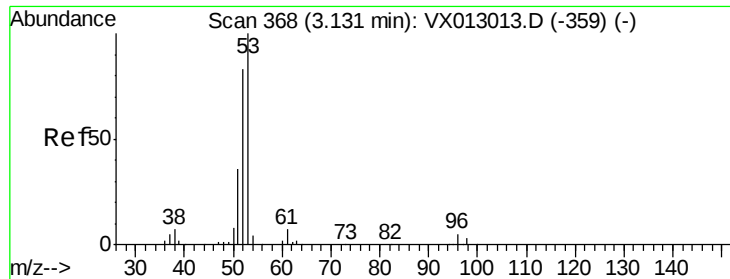
MMDadoda
10/14/2019 1:05:38 PM



#14
Allyl chloride
Concen: 52.568 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX013005.D
Acq: 10 Oct 2019 18:50

Tgt Ion	41	Resp	150080
Ion Ratio	Lower	Upper	
41	100		
39	62.9	51.0	76.6
76	33.5	26.2	39.4





#15

Acrylonitrile

Concen: 273.433 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.01 min

Lab File: VX013005.D

Acq: 10 Oct 2019 18:50

Instrument :

MSVOA_X

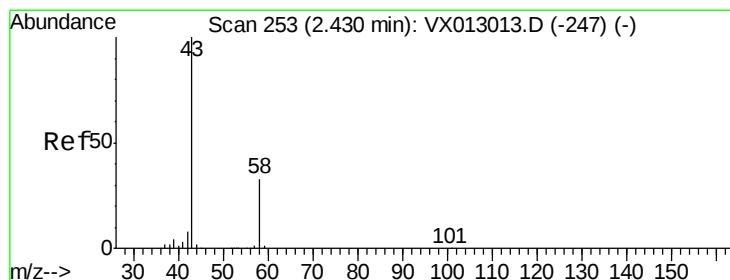
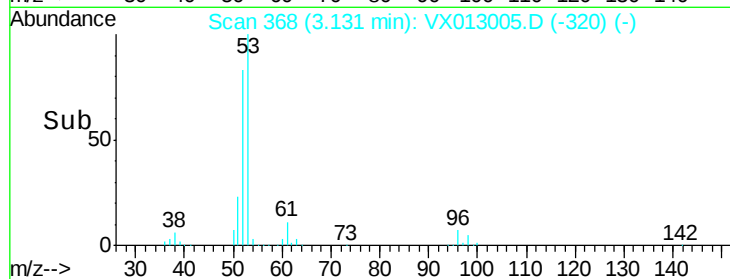
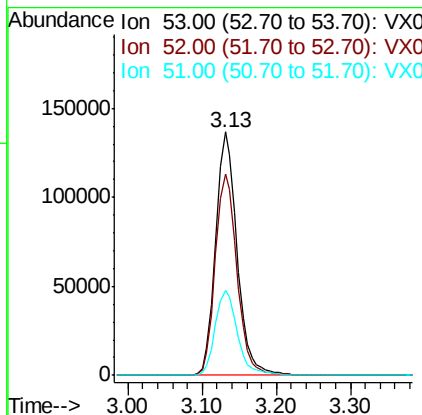
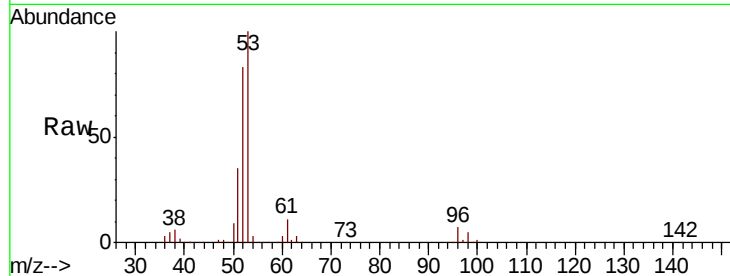
ClientSampleId :

S49-0555MSD

Tot Ion:	53	Resp:	272364
Ion Ratio	Lower	Upper	
53	100		
52	84.0	66.2	99.2
51	36.6	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 217.252 ug/l

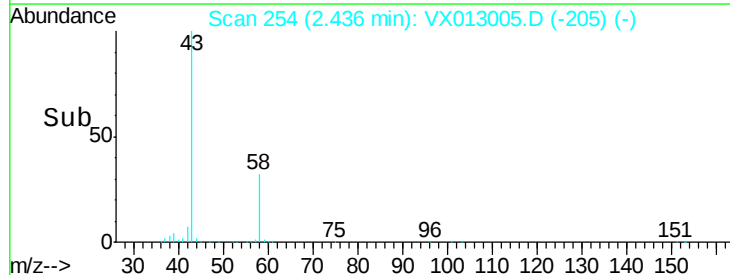
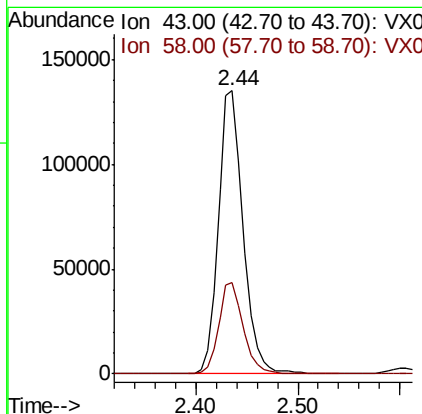
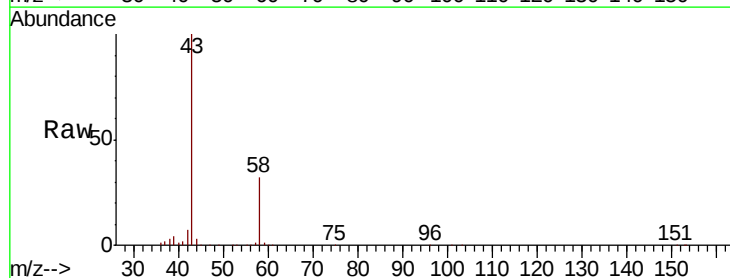
RT: 2.44 min Scan# 254

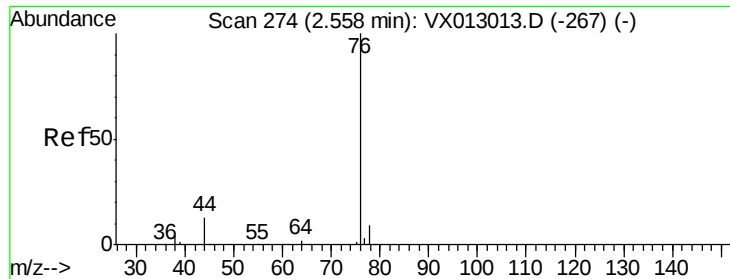
Delta R.T. -0.00 min

Lab File: VX013005.D

Acq: 10 Oct 2019 18:50

Tgt Ion:	43	Resp:	227057
Ion Ratio	Lower	Upper	
43	100		
58	32.5	25.4	38.2





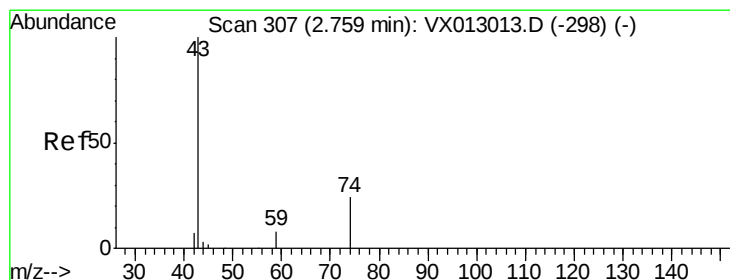
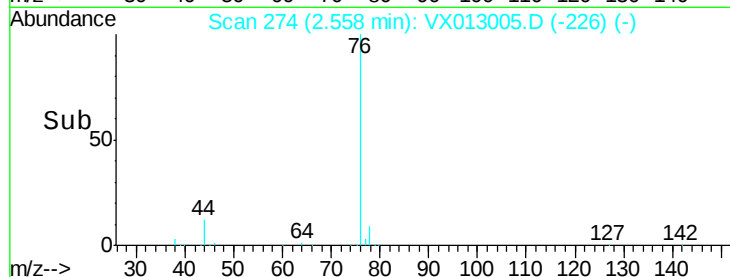
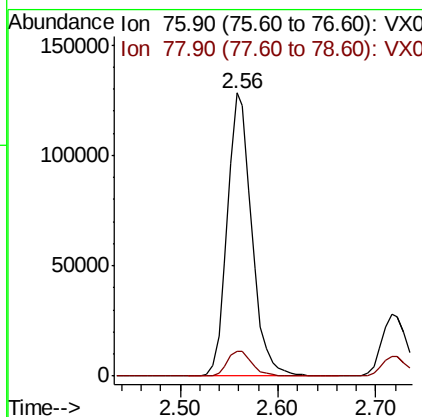
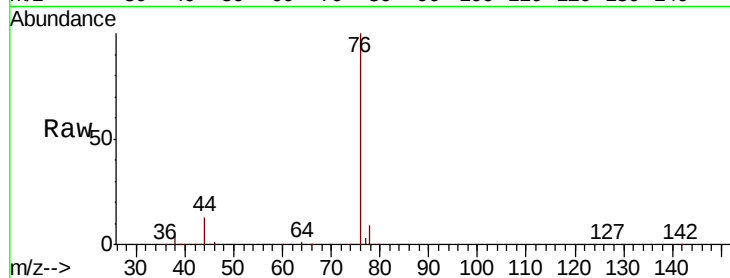
#17
Carbon Disulfide
Concen: 48.639 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.01 min
Lab File: VX013005.D
Acq: 10 Oct 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :
S49-0555MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

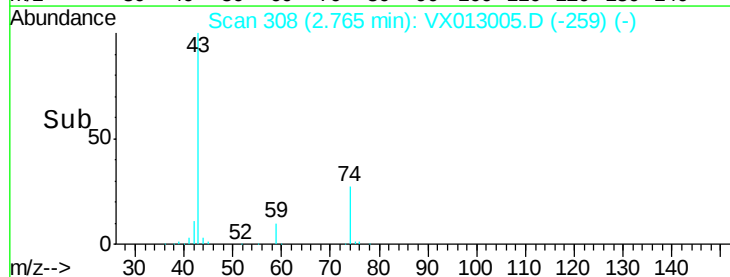
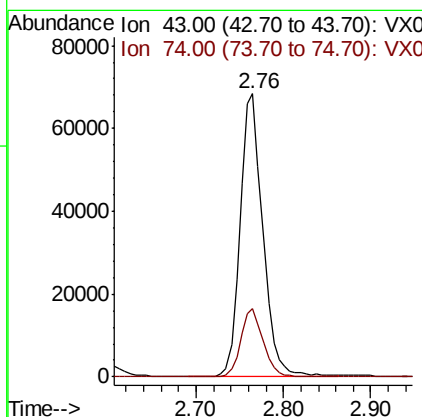
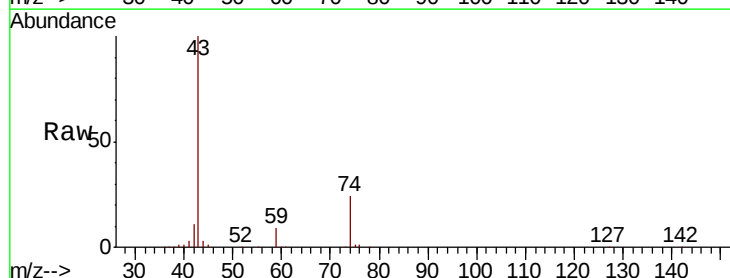
Manual Integrations
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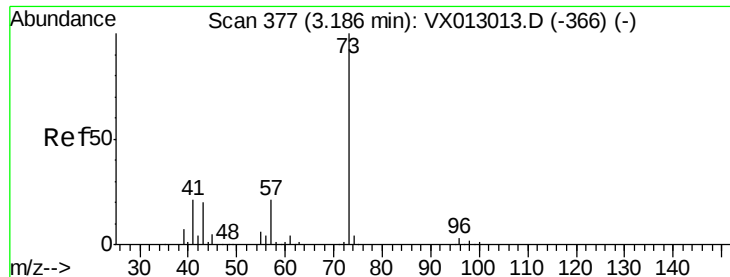
MMDadoda
10/14/2019 1:05:38 PM



#18
Methyl Acetate
Concen: 49.643 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX013005.D
Acq: 10 Oct 2019 18:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.2	28.8





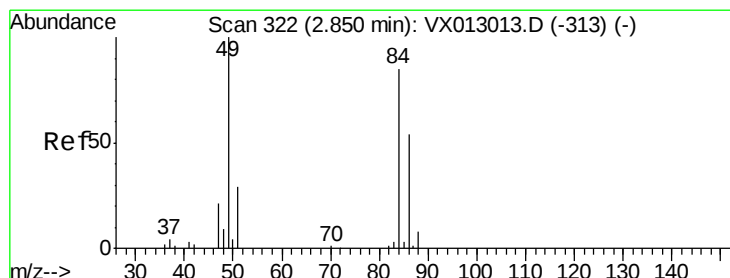
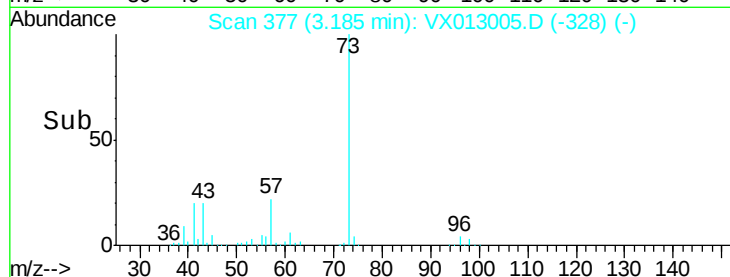
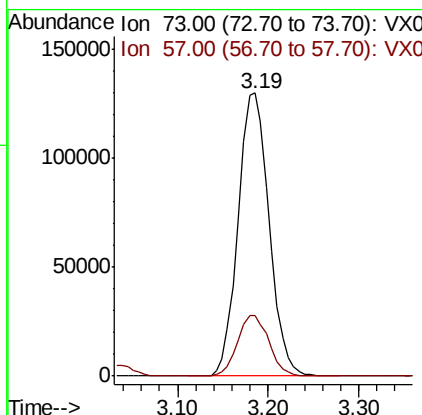
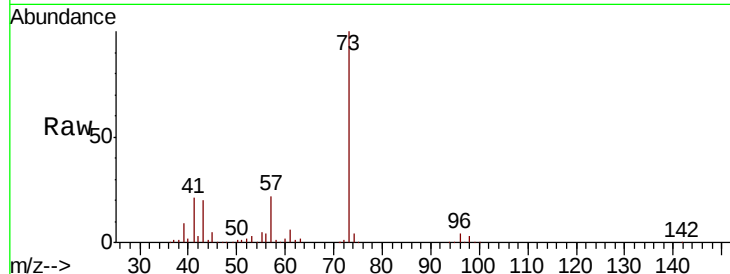
#19
Methyl tert-butyl Ether
Concen: 55.675 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX013005.D
Acq: 10 Oct 2019 18:50

Instrument :
MSVOA_X
ClientSampleID :
S49-0555MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.8	26.6

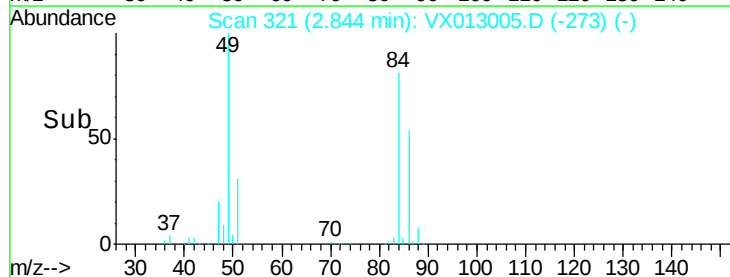
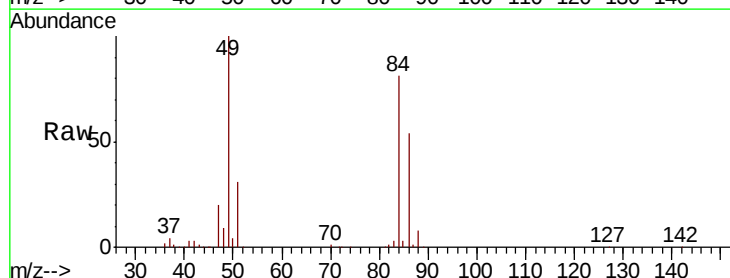
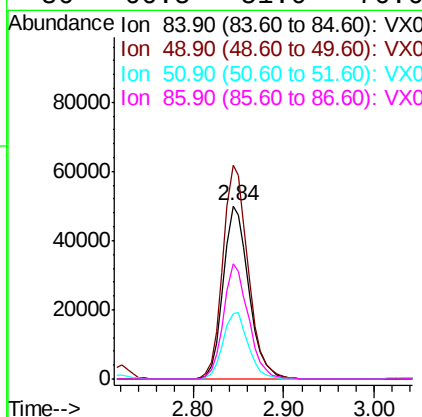
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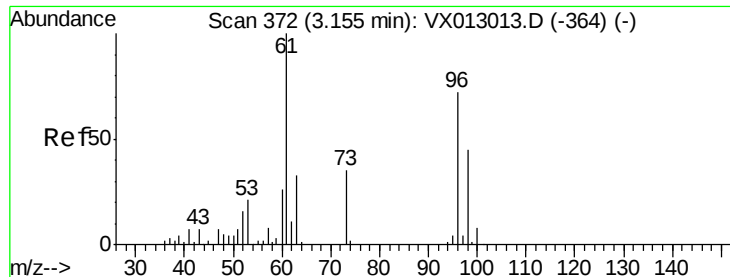
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#20
Methylene Chloride
Concen: 50.983 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX013005.D
Acq: 10 Oct 2019 18:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.4	96.6	144.8
51	37.8	30.7	46.1
86	66.5	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 77.743 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013005.D

Acq: 10 Oct 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

S49-0555MSD

Tot Ion: 96 Resp: 133583

Ion Ratio Lower Upper

96 100

61 144.2 110.4 165.6

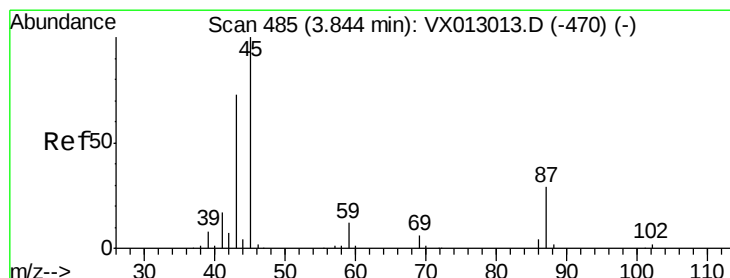
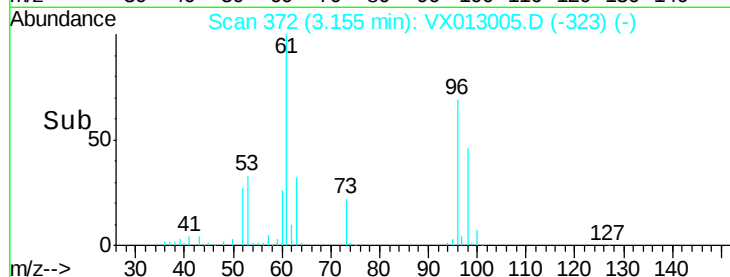
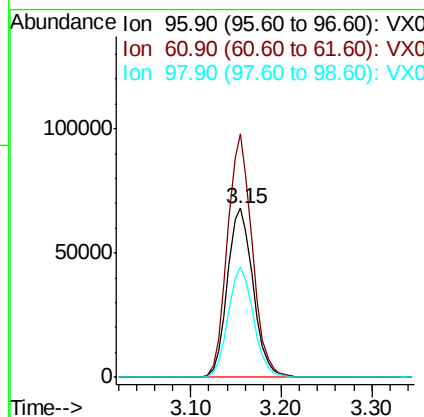
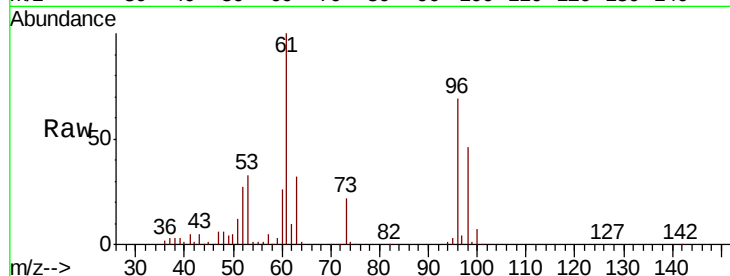
98 65.8 51.5 77.3

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#22

Diisopropyl ether

Concen: 54.903 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.01 min

Lab File: VX013005.D

Acq: 10 Oct 2019 18:50

Tgt Ion: 45 Resp: 300355

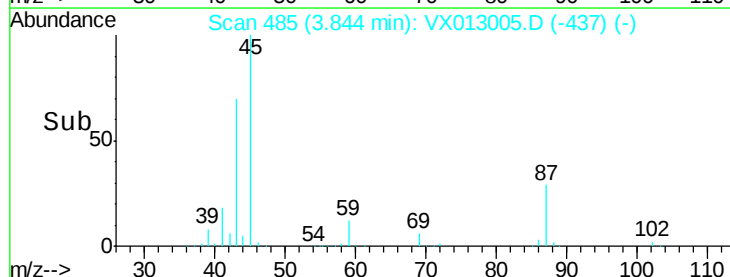
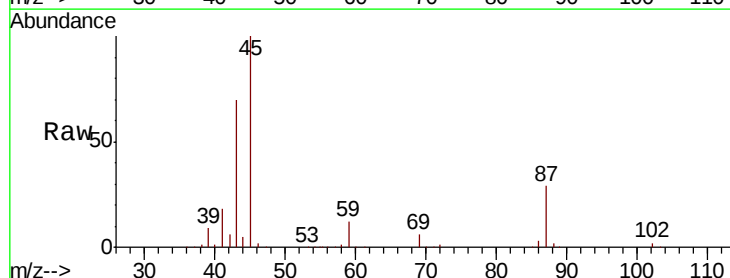
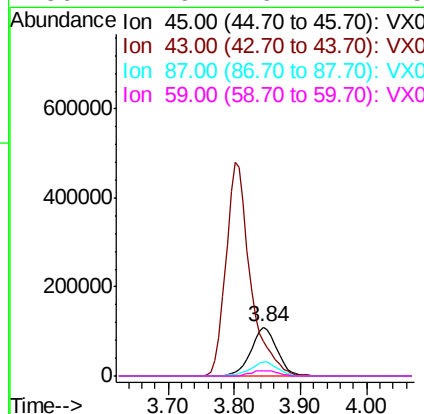
Ion Ratio Lower Upper

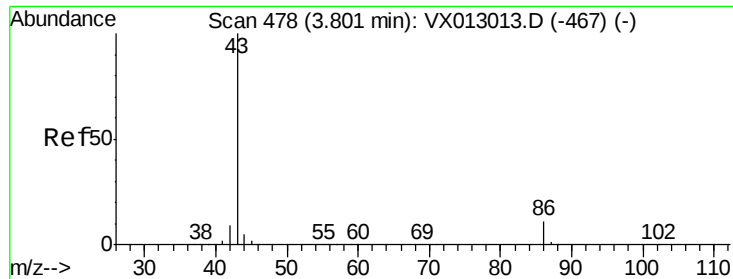
45 100

43 70.2 51.4 77.0

87 28.8 22.5 33.7

59 11.6 9.7 14.5





#23

Vinyl Acetate

Concen: 261.014 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX013005.D

Acq: 10 Oct 2019 18:50

Instrument :

MSVOA_X

ClientSampleID :

S49-0555MSD

Tot Ion: 43 Resp: 1232678

Ion Ratio Lower Upper

43 100

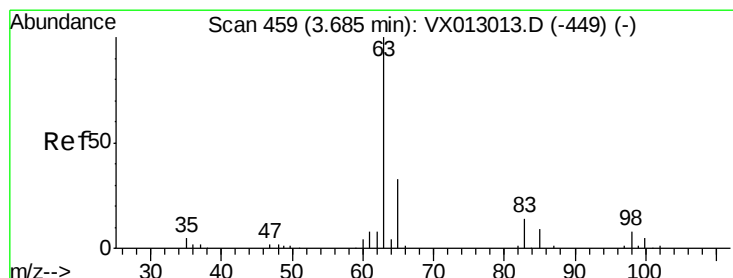
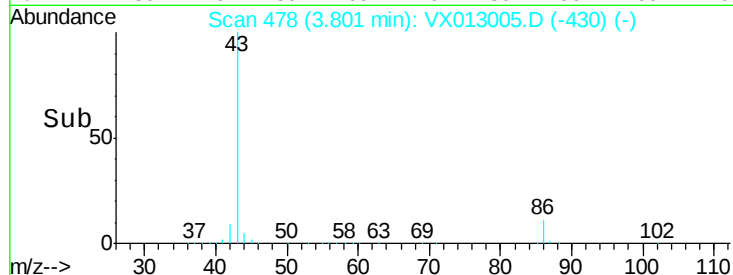
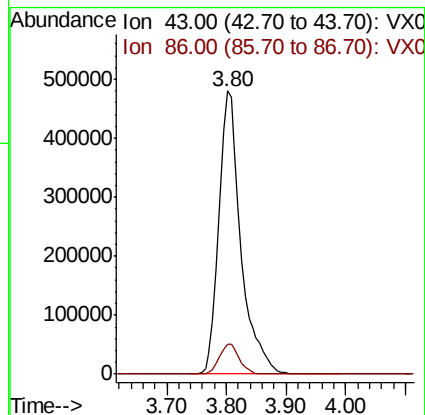
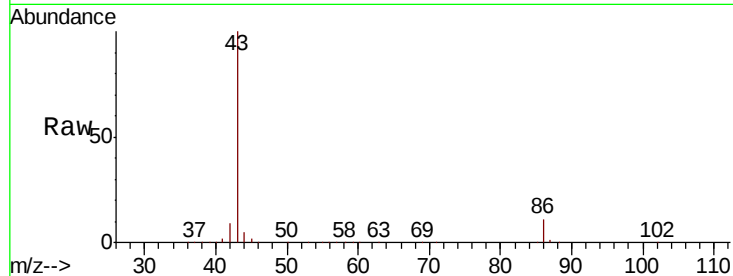
86 10.8 9.0 13.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 56.425 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013005.D

Acq: 10 Oct 2019 18:50

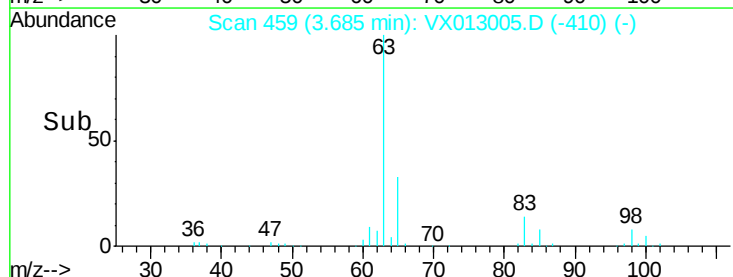
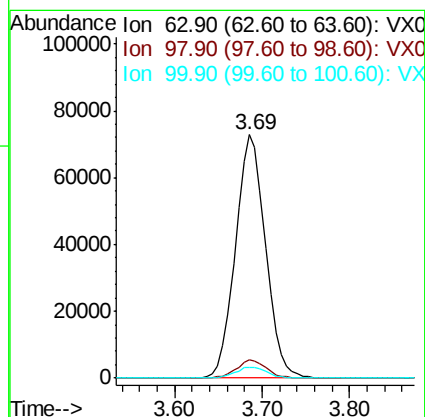
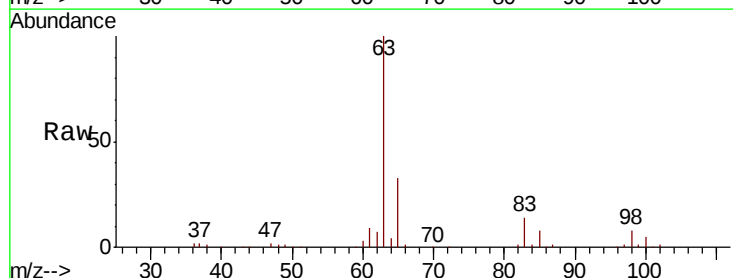
Tgt Ion: 63 Resp: 173657

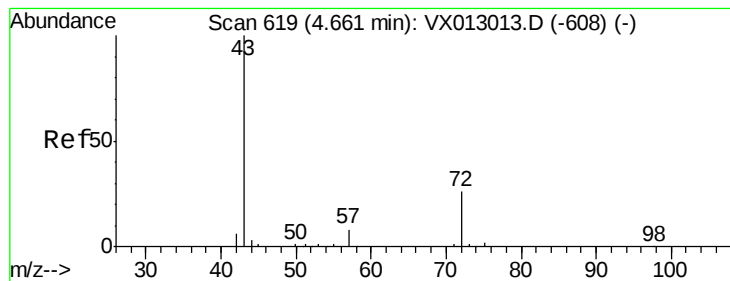
Ion Ratio Lower Upper

63 100

98 7.6 3.9 11.5

100 4.6 2.3 6.9





#25

2-Butanone

Concen: 256.221 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX013005.D

Acq: 10 Oct 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

S49-0555MSD

Tot Ion: 43 Resp: 371514

Ion Ratio Lower Upper

43 100

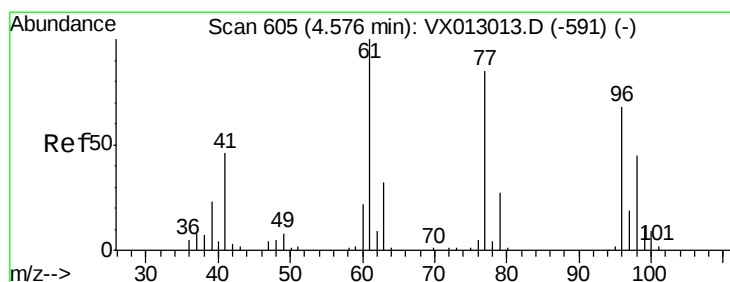
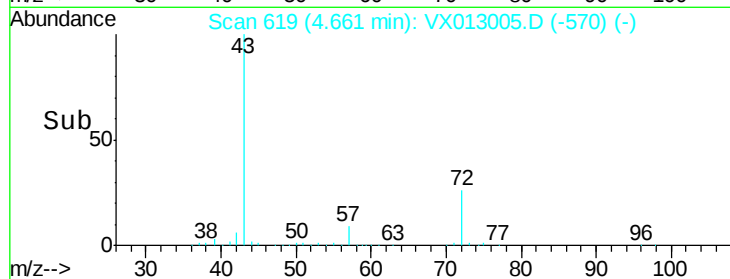
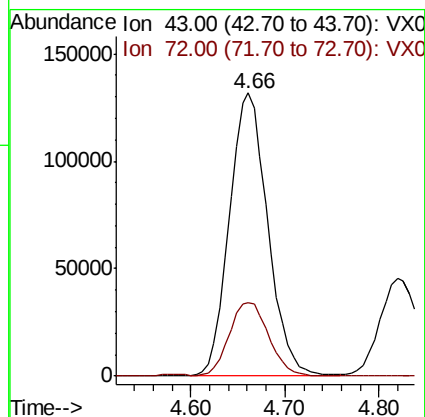
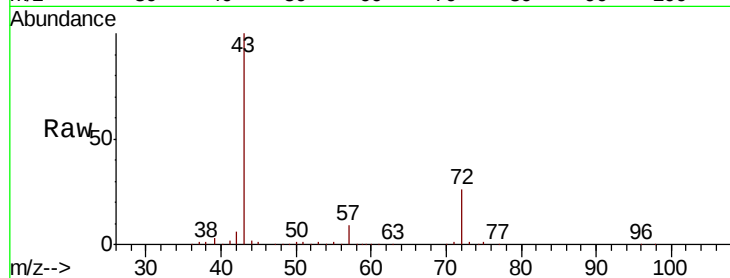
72 26.0 21.0 31.6

Manual Integrations

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10/14/2019 1:05:38 PM



#26

2,2-Dichloropropane

Concen: 46.595 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX013005.D

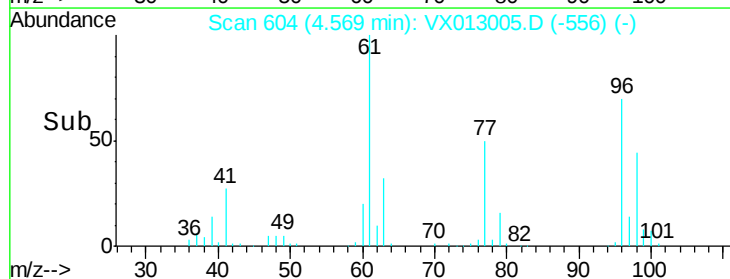
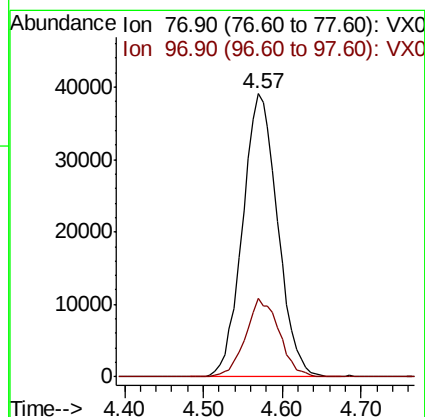
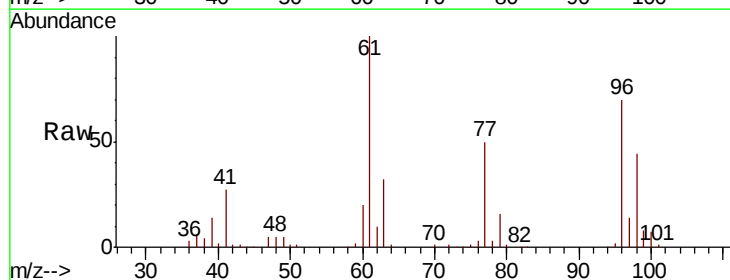
Acq: 10 Oct 2019 18:50

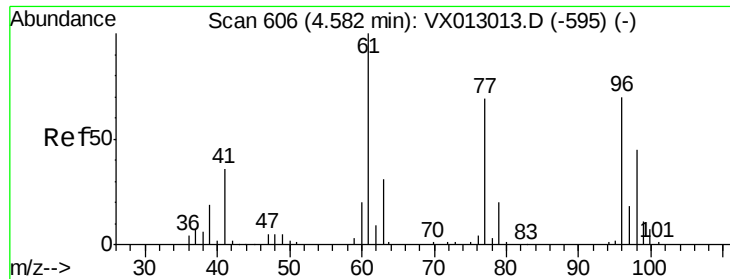
Tgt Ion: 77 Resp: 120590

Ion Ratio Lower Upper

77 100

97 26.6 11.3 33.9





#27

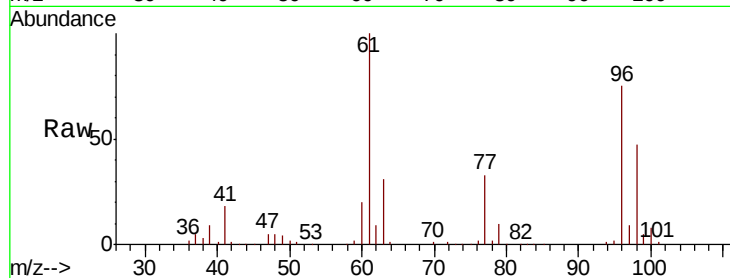
cis-1,2-Dichloroethene
Concen: 107.963 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX013005.D
Acq: 10 Oct 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :
S49-0555MSD

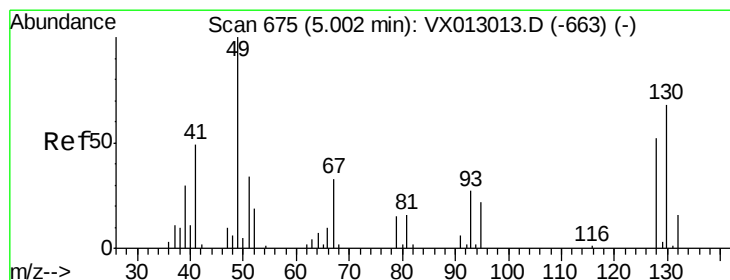
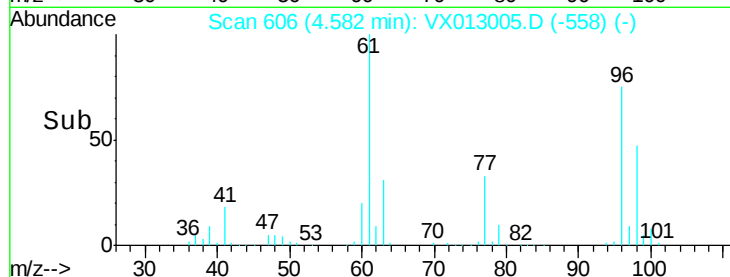
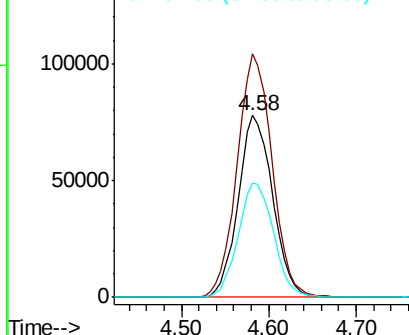
Tot Ion	Ratio	Resp	Lower	Upper
96	100	213833		
61	136.1	0.0	290.6	
98	64.4	0.0	128.8	

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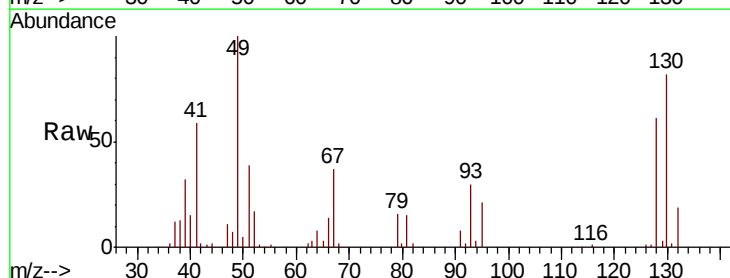
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



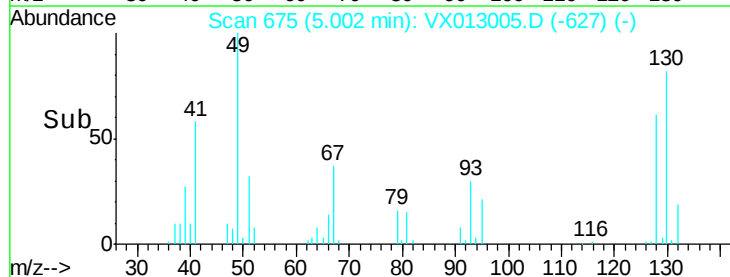
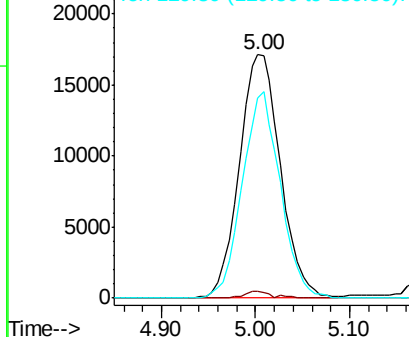
#28

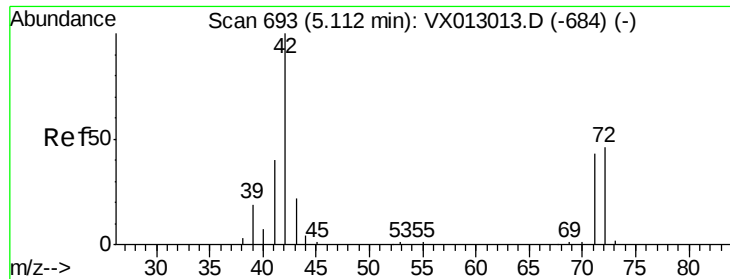
Bromochloromethane
Concen: 56.929 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX013005.D
Acq: 10 Oct 2019 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	52304		
129	1.5	0.0	4.2	
130	78.4	62.1	93.1	



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





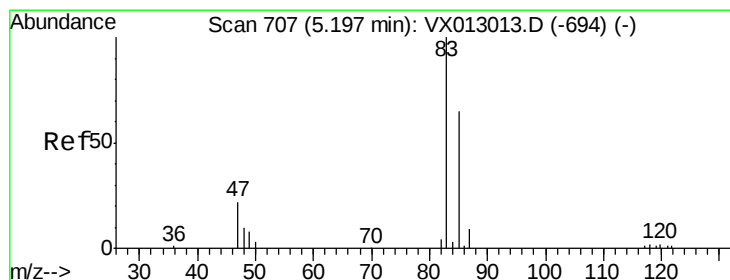
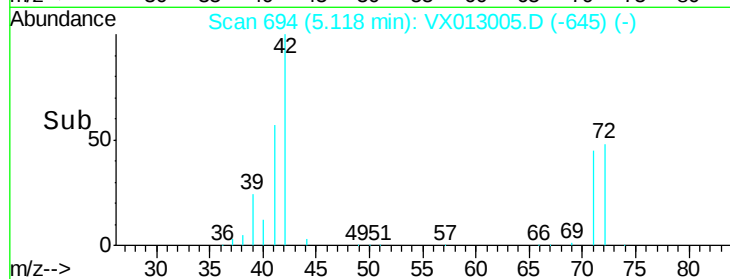
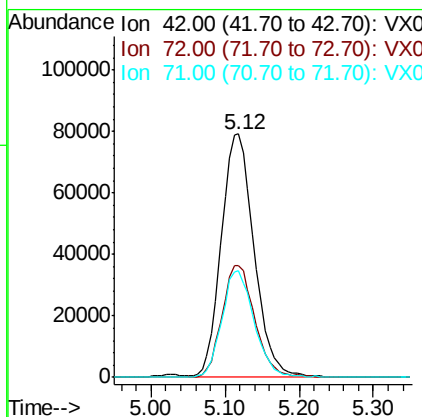
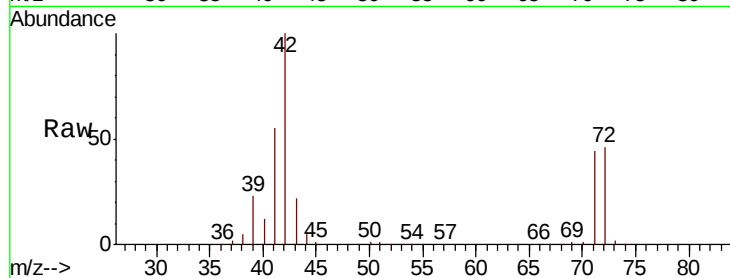
#29
Tetrahydrofuran
Concen: 272.418 ug/l
RT: 5.12 min Scan# 694
Delta R.T. -0.00 min
Lab File: VX013005.D
Acq: 10 Oct 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :
S49-0555MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	36.9	55.3
71	43.1	33.5	50.3

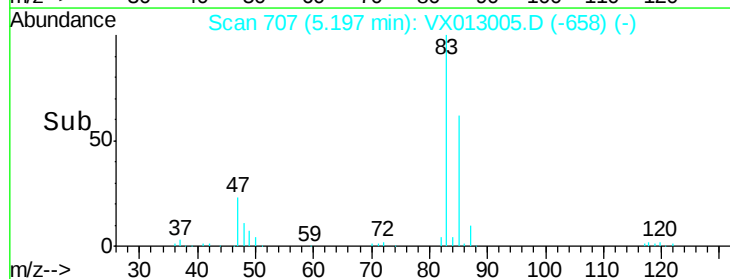
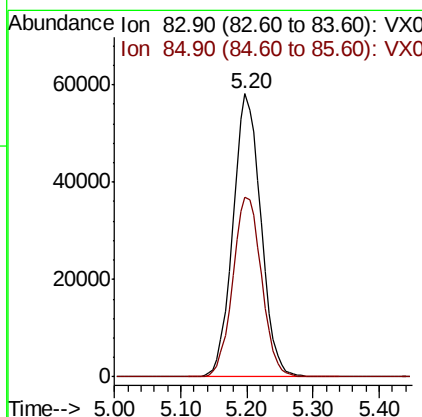
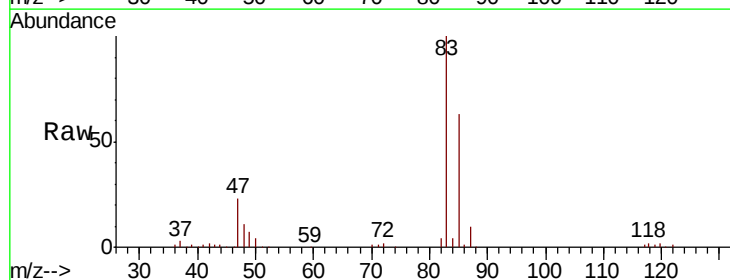
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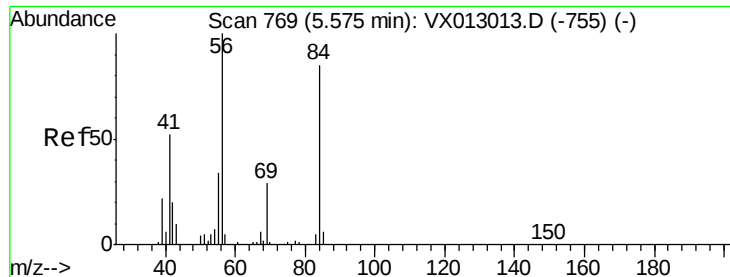
MMDadoda
10/14/2019 1:05:38 PM



#30
Chloroform
Concen: 53.955 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX013005.D
Acq: 10 Oct 2019 18:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.5	77.3





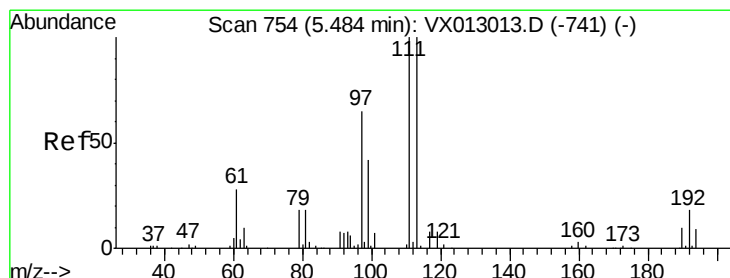
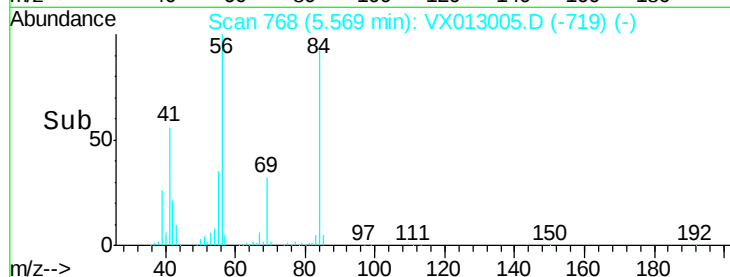
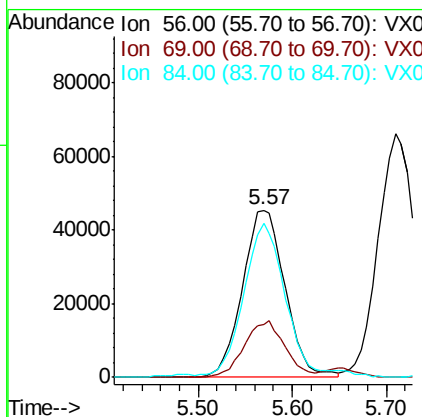
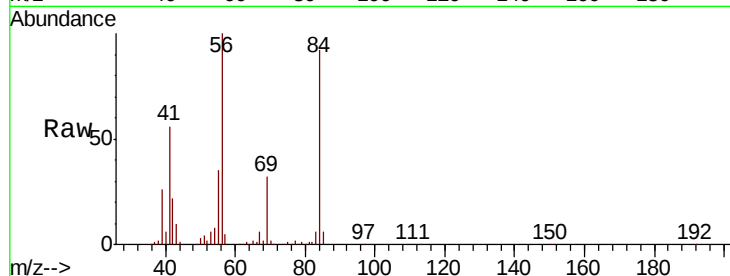
#31
Cyclohexane
Concen: 49.985 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX013005.D
Acq: 10 Oct 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :
S49-0555MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.7	25.2	37.8
84	90.4	71.3	106.9

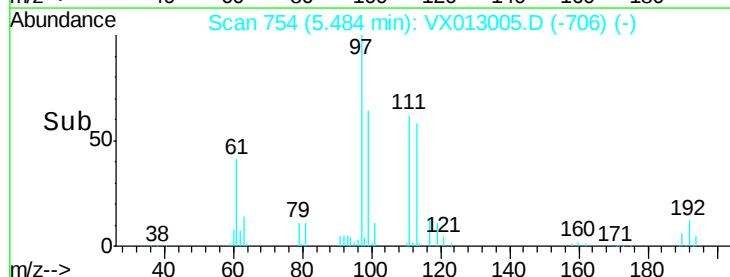
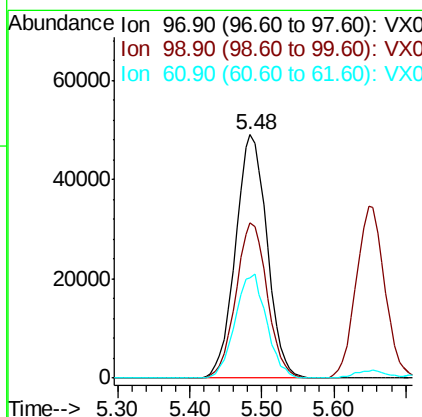
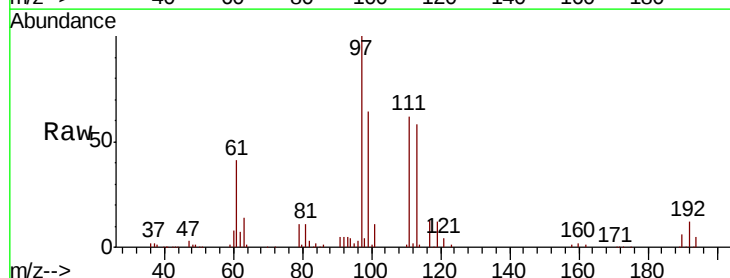
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#32
1,1,1-Trichloroethane
Concen: 55.851 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX013005.D
Acq: 10 Oct 2019 18:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	52.3	78.5
61	42.8	35.0	52.4





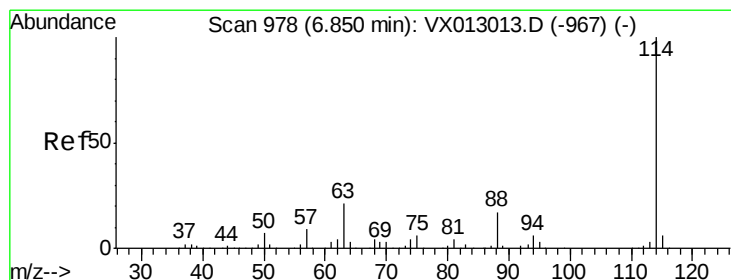
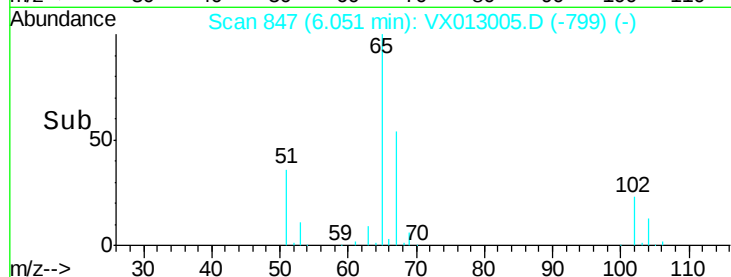
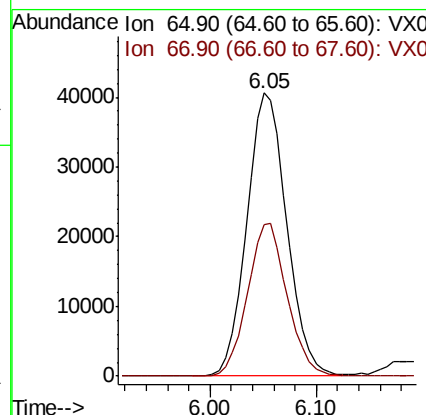
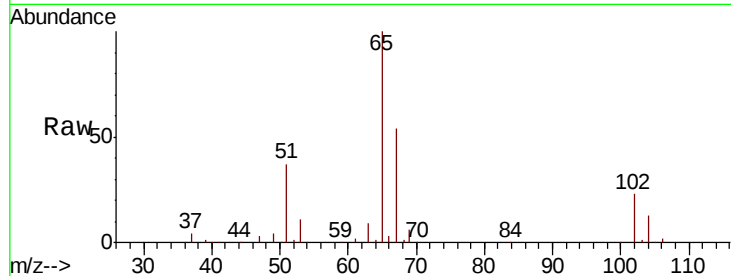
#33
 1,2-Dichloroethane-d4
 Concen: 53.914 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX013005.D
 Acq: 10 Oct 2019 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0555MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	106901		
67	53.5	0.0	104.4	

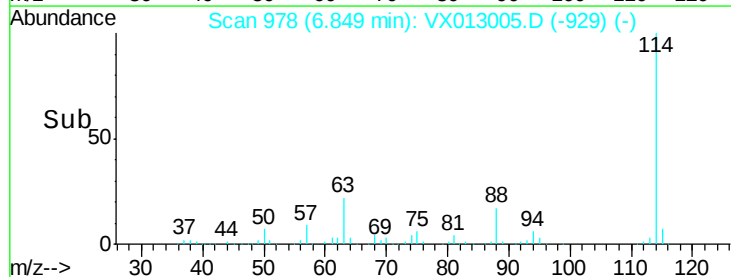
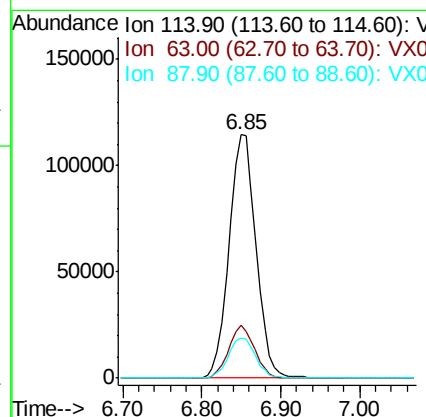
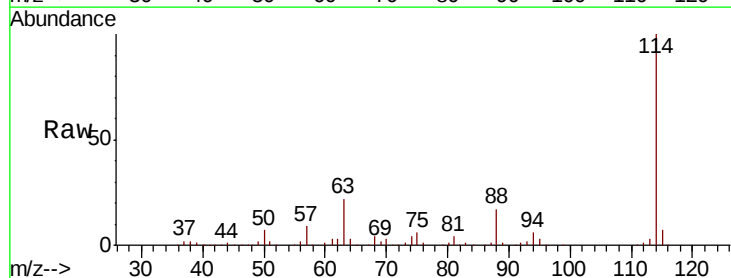
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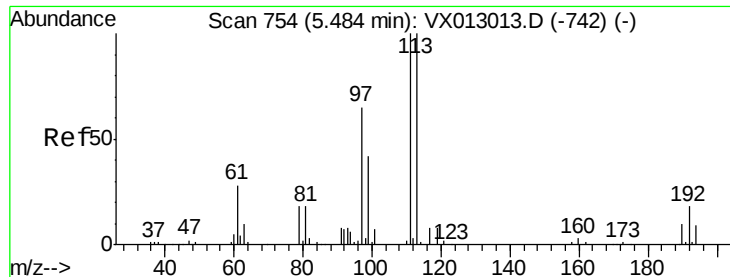
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013005.D
 Acq: 10 Oct 2019 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	273230		
63	21.7	0.0	40.8	
88	16.6	0.0	33.8	





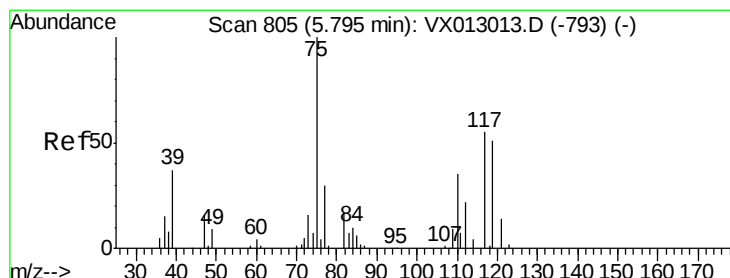
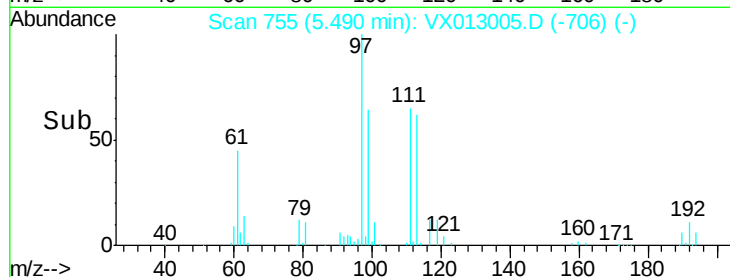
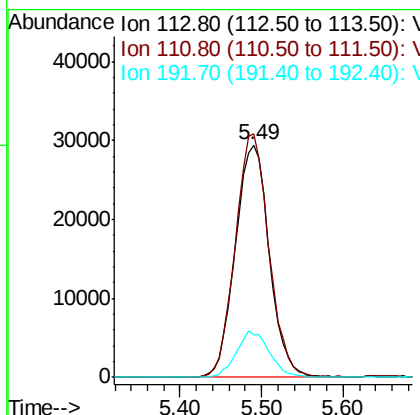
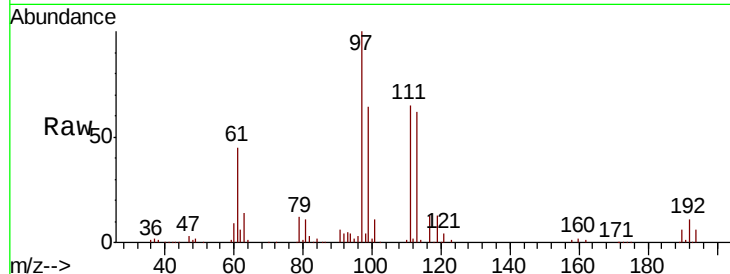
#35
 Dibromofluoromethane
 Concen: 54.350 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX013005.D
 Acq: 10 Oct 2019 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0555MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	85232		
111	102.7		83.2	124.8
192	19.3		15.4	23.2

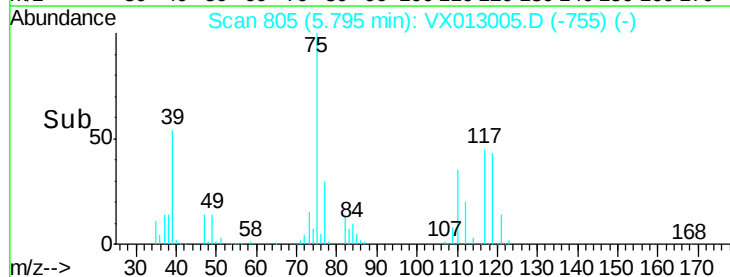
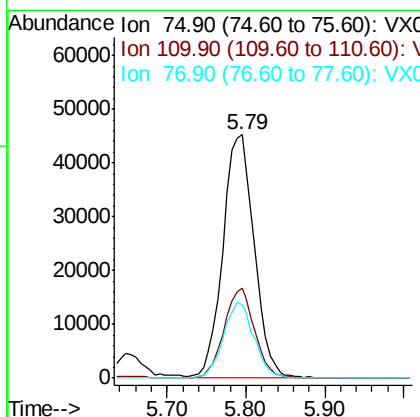
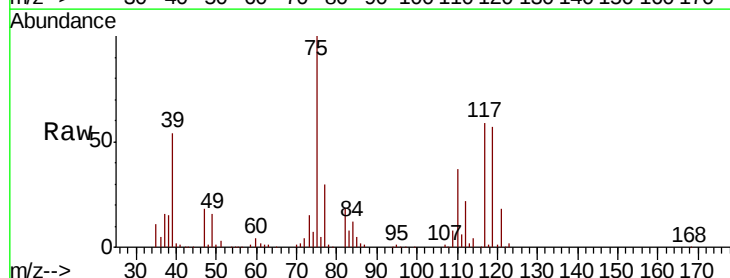
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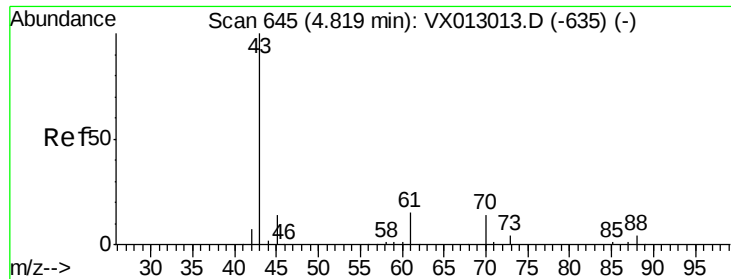
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#36
 1,1-Dichloropropene
 Concen: 51.864 ug/l
 RT: 5.79 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: VX013005.D
 Acq: 10 Oct 2019 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	124591		
110	35.9		17.6	52.9
77	30.6		24.4	36.6





#37

Ethyl Acetate

Concen: 49.544 ug/l

RT: 4.82 min Scan# 645

Delta R.T. -0.00 min

Lab File: VX013005.D

Acq: 10 Oct 2019 18:50

Instrument :

MSVOA_X

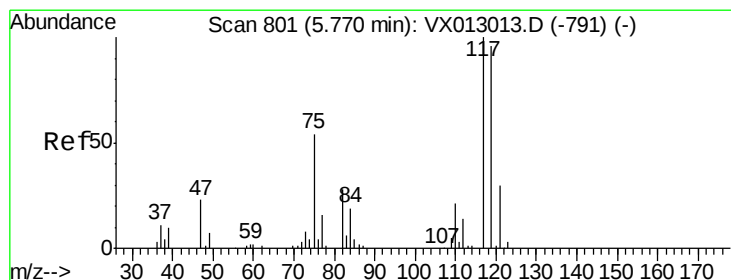
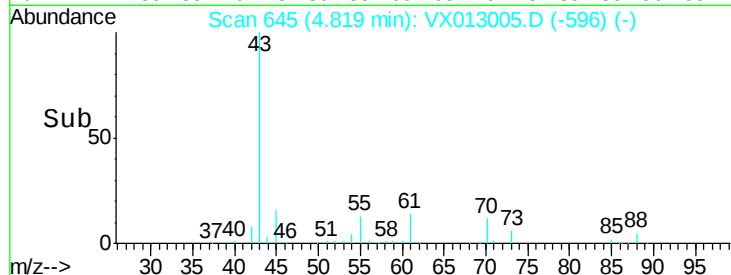
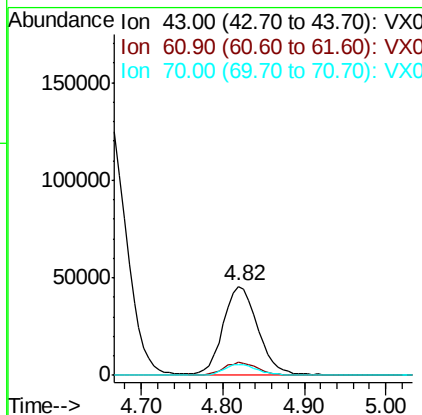
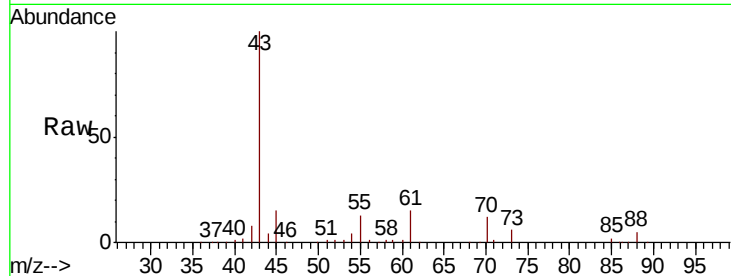
ClientSampleId :

S49-0555MSD

Tot Ion:	43	Resp:	133083
Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.4	17.0
70	12.1	9.8	14.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 52.609 ug/l

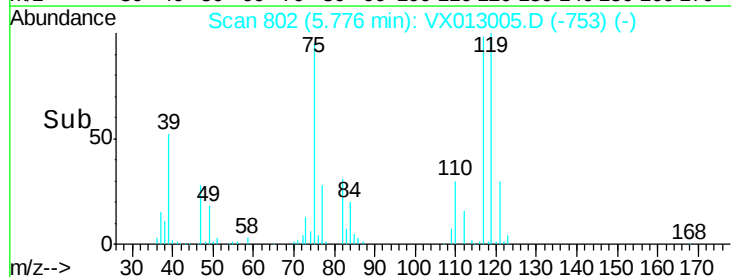
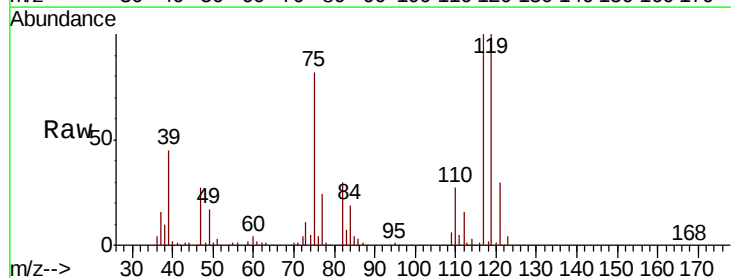
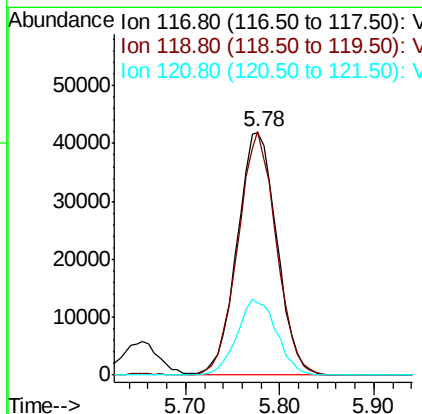
RT: 5.78 min Scan# 802

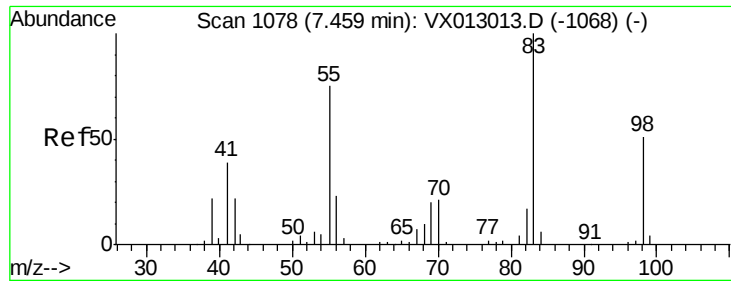
Delta R.T. -0.00 min

Lab File: VX013005.D

Acq: 10 Oct 2019 18:50

Tgt Ion:	117	Resp:	123010
Ion	Ratio	Lower	Upper
117	100		
119	100.5	74.5	111.7
121	29.7	24.2	36.4





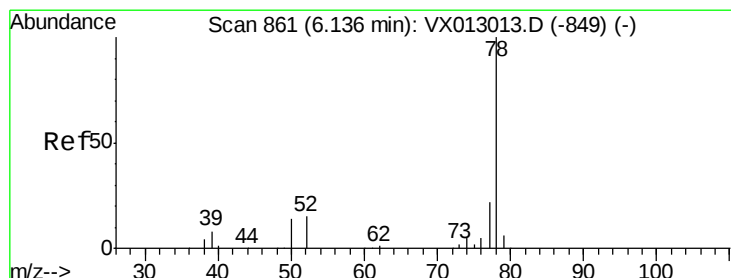
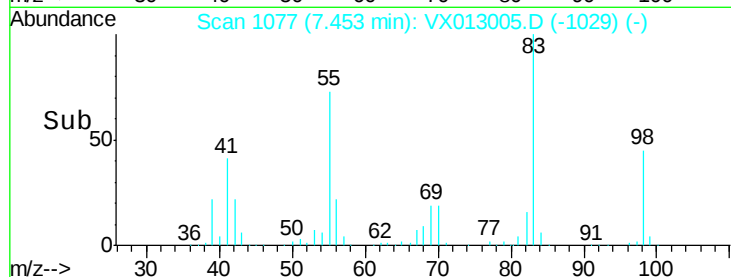
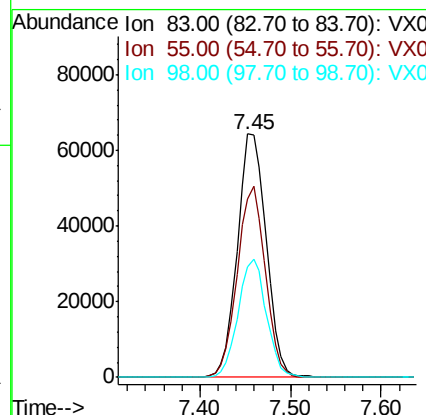
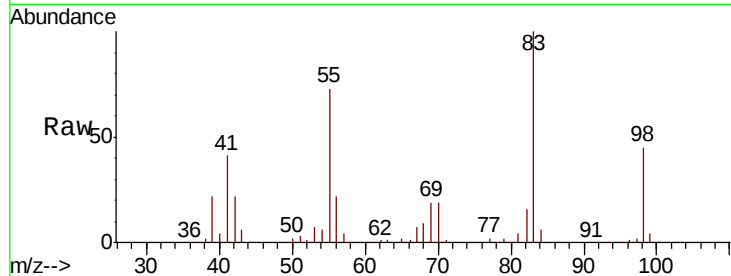
#39
Methylvlcyclohexane
Concen: 48.746 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX013005.D
Acq: 10 Oct 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :
S49-0555MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	73.1	60.2	90.4	
98	45.2	38.5	57.7	

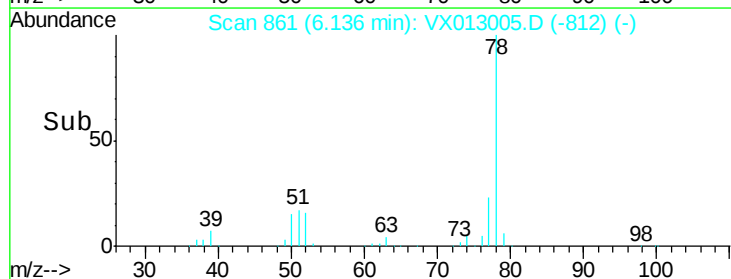
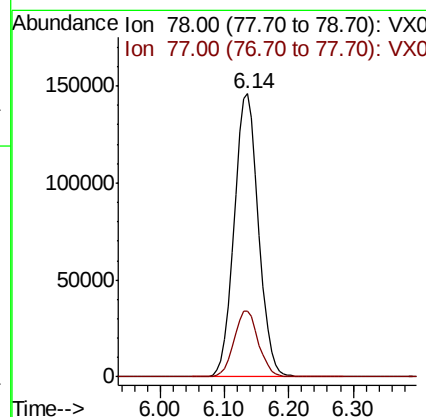
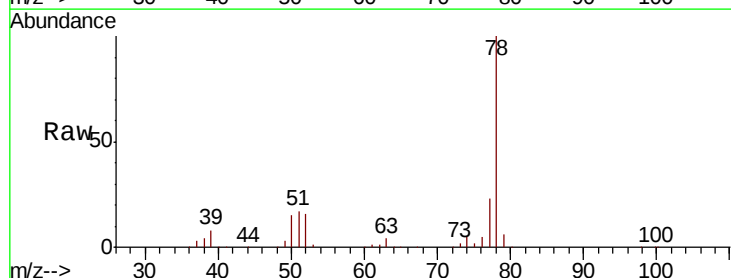
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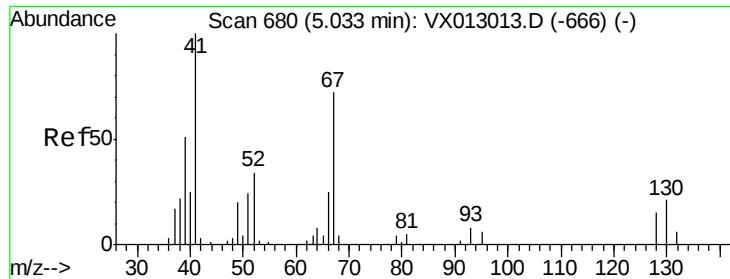
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#40
Benzene
Concen: 54.454 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX013005.D
Acq: 10 Oct 2019 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.3	19.0	28.4	





#41

Methacrylonitrile

Concen: 53.370 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.01 min

Lab File: VX013005.D

Acq: 10 Oct 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

S49-0555MSD

Tot Ion: 41 Resp: 78776

Ion Ratio Lower Upper

41 100

39 54.6 44.0 66.0

67 73.4 58.5 87.7

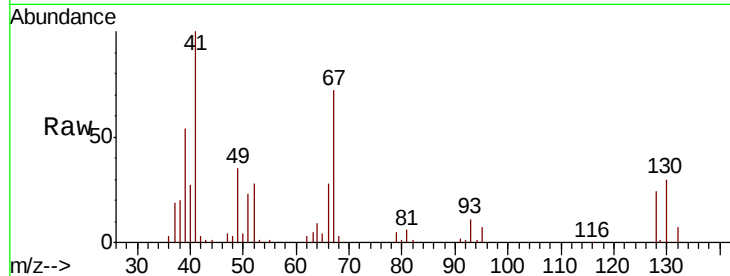
52 30.0 23.8 35.8

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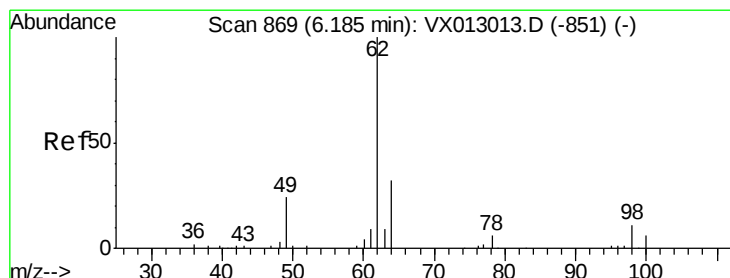
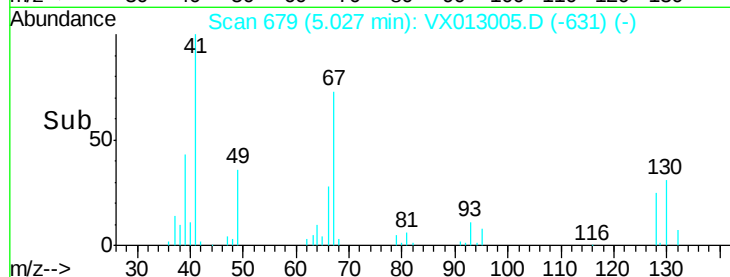
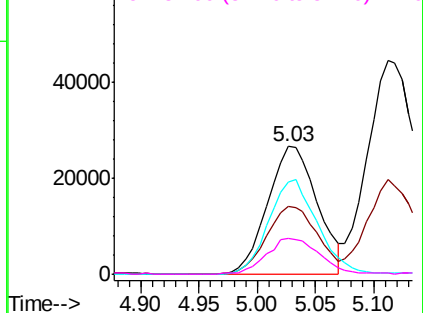


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 54.627 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.01 min

Lab File: VX013005.D

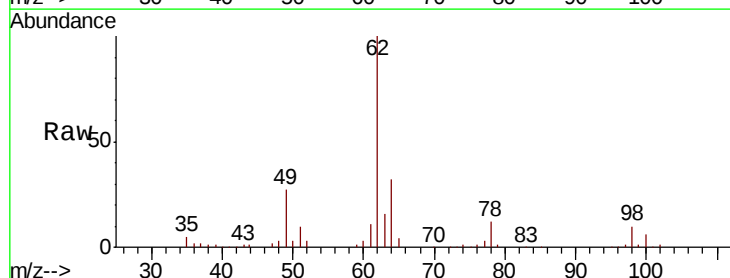
Acq: 10 Oct 2019 18:50

Tgt Ion: 62 Resp: 139075

Ion Ratio Lower Upper

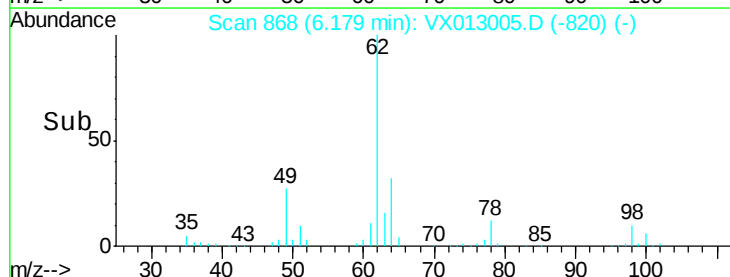
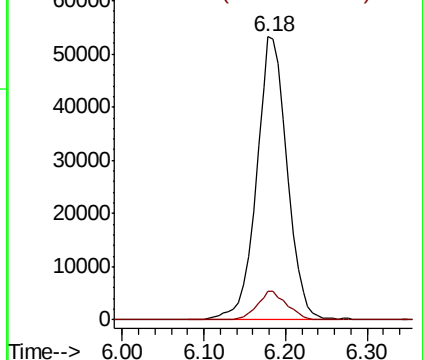
62 100

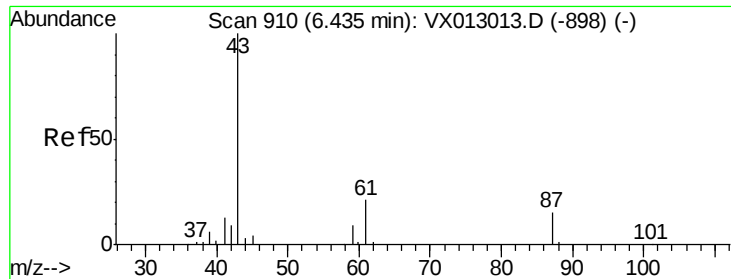
98 9.7 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

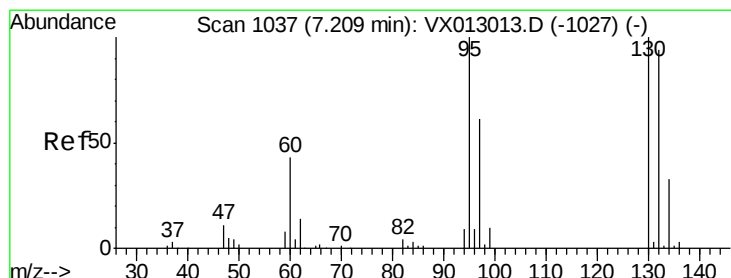
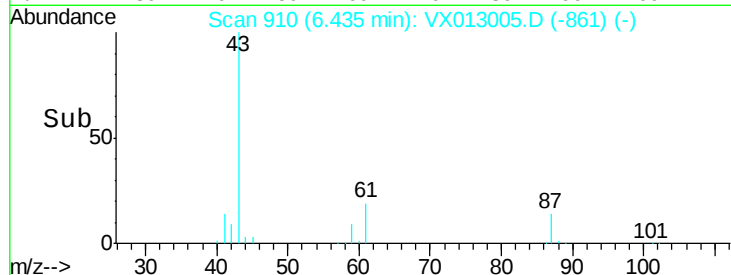
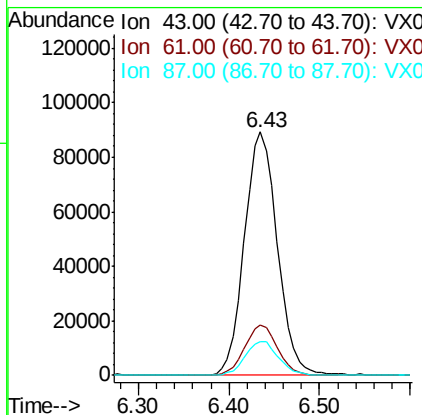
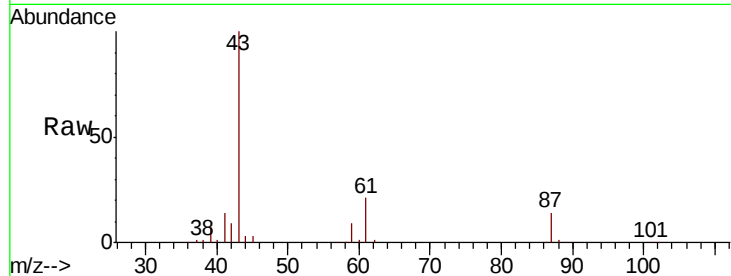
Isopropyl Acetate
 Concen: 51.824 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VX013005.D
 Acq: 10 Oct 2019 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0555MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.8	16.6	24.8
87	14.2	11.0	16.6

Manual Integrations
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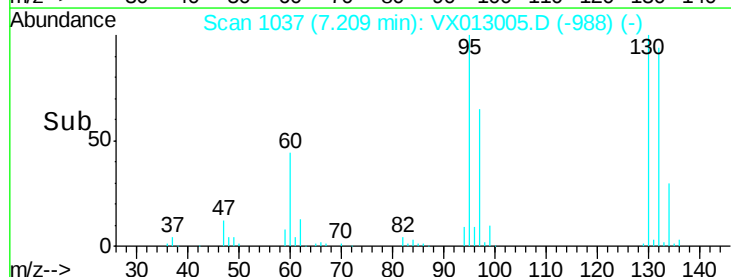
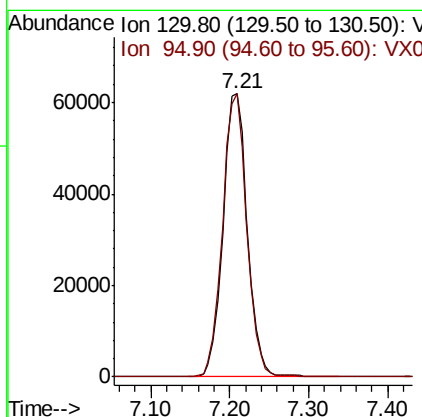
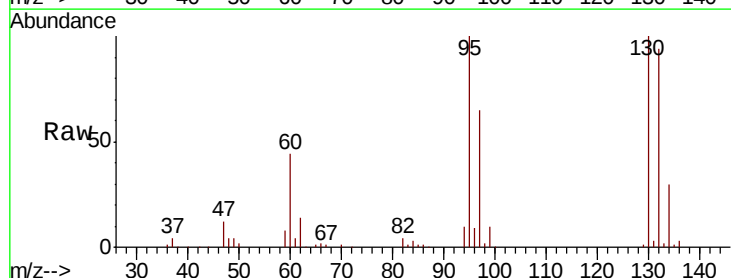
MMDadoda
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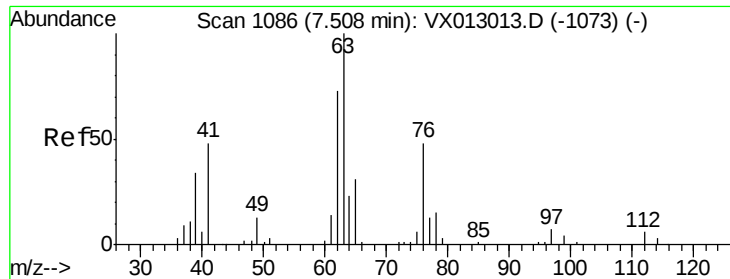


#44

Trichloroethene
 Concen: 67.567 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: VX013005.D
 Acq: 10 Oct 2019 18:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	189.2





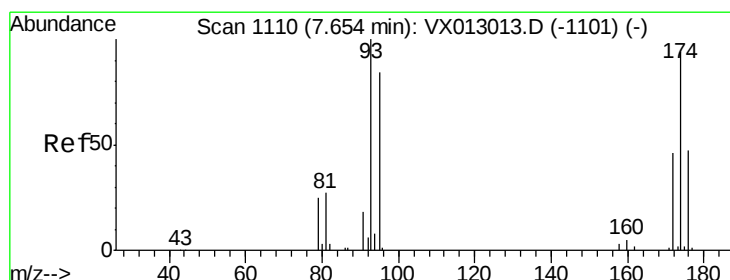
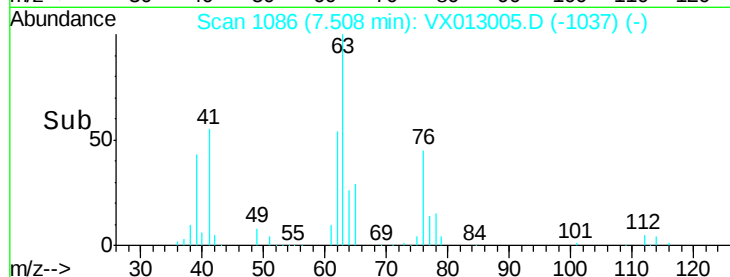
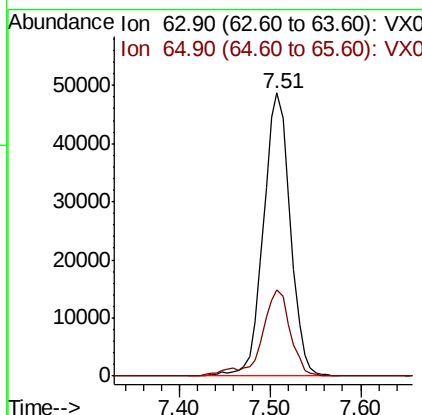
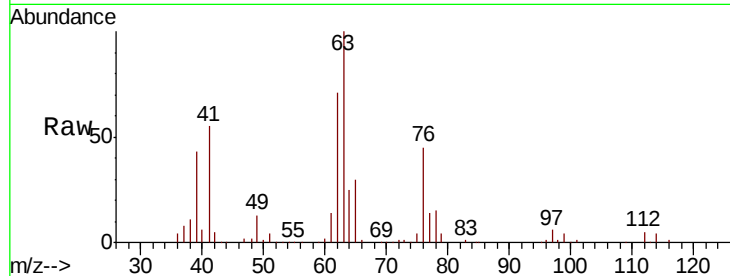
#45
 1,2-Dichloropropane
 Concen: 55.083 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX013005.D
 Acq: 10 Oct 2019 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0555MSD

Tot Ion: 63 Resp: 99607
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.6 37.0

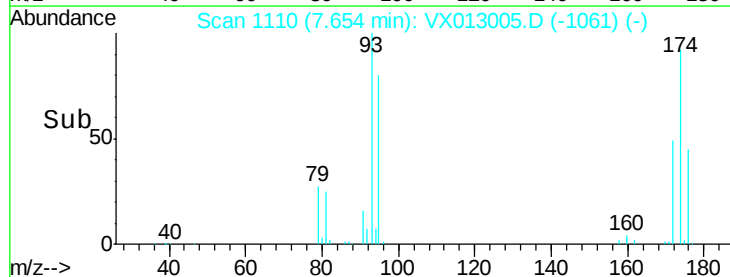
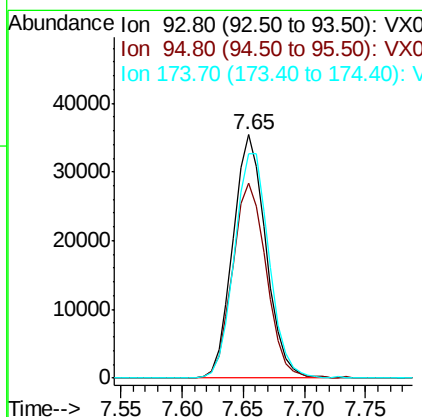
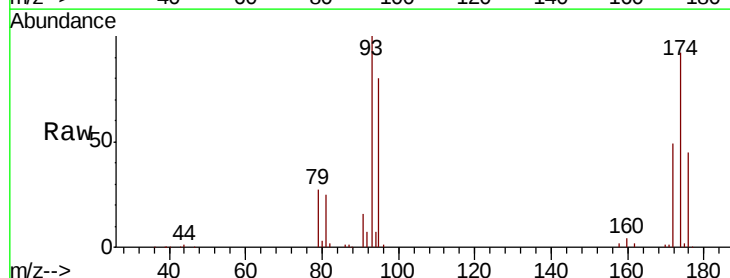
Manual Integrations
 APPROVED

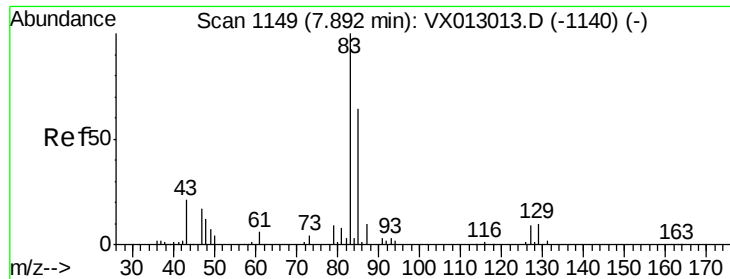
MMDadoda
 10/14/2019 1:05:38 PM



#46
 Dibromomethane
 Concen: 54.950 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013005.D
 Acq: 10 Oct 2019 18:50

Tgt Ion: 93 Resp: 66203
 Ion Ratio Lower Upper
 93 100
 95 81.9 66.3 99.5
 174 97.3 77.8 116.6





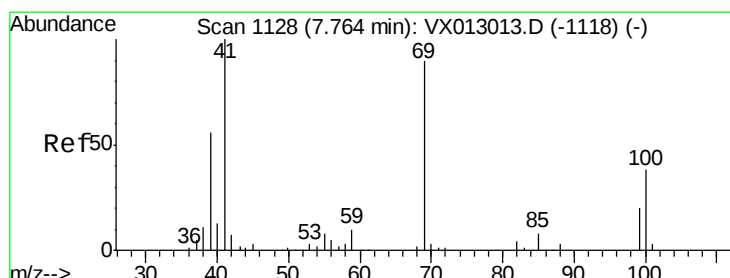
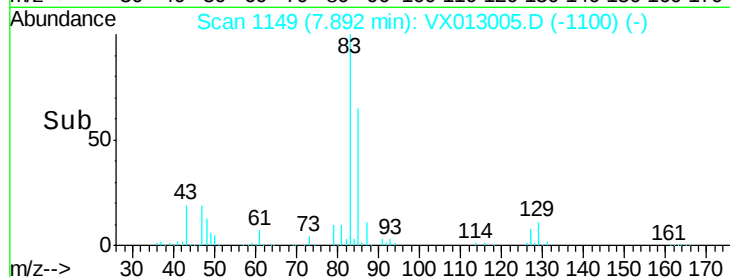
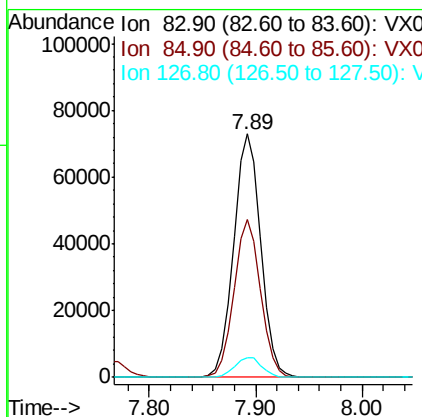
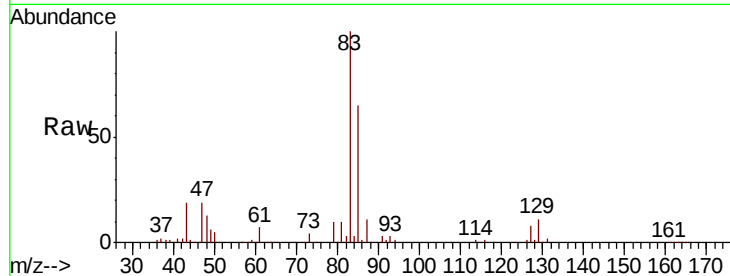
#47
Bromodichloromethane
Concen: 55.335 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. -0.00 min
Lab File: VX013005.D
Acq: 10 Oct 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :
S49-0555MSD

Tot Ion	83	Resp	130102
Ion Ratio	100	Lower	Upper
83	100		
85	64.6	52.4	78.6
127	8.3	6.6	10.0

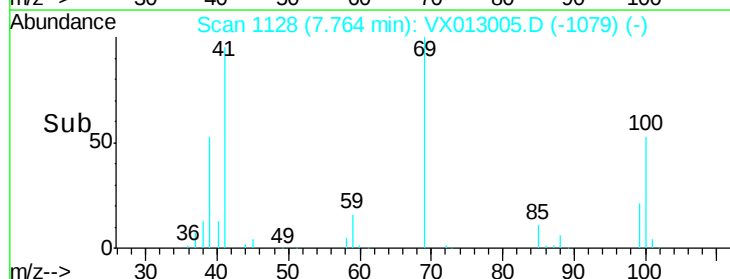
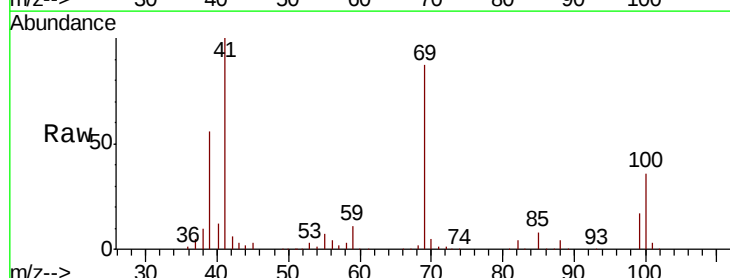
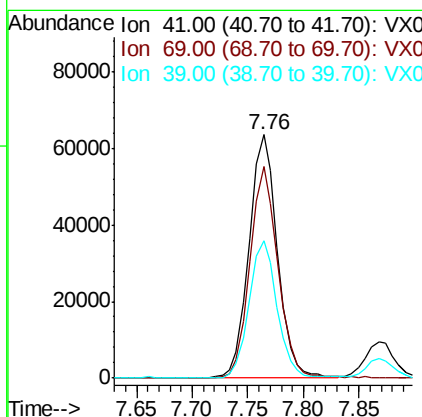
Manual Integrations
APPROVED

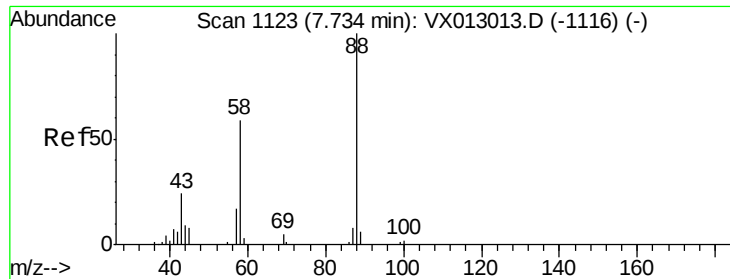
MMDadoda
10/14/2019 1:05:38 PM



#48
Methyl methacrylate
Concen: 54.059 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX013005.D
Acq: 10 Oct 2019 18:50

Tgt Ion	41	Resp	113577
Ion Ratio	100	Lower	Upper
41	100		
69	86.1	68.7	103.1
39	56.2	44.3	66.5





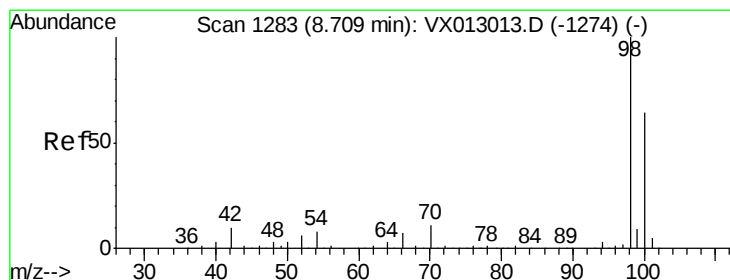
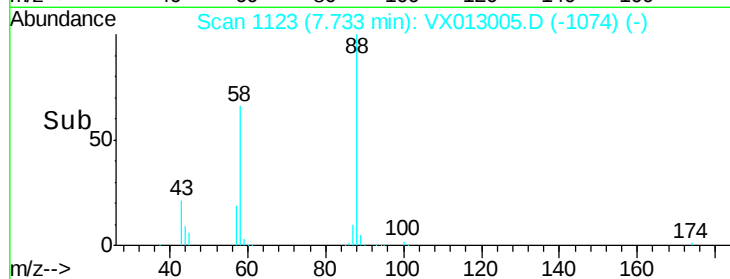
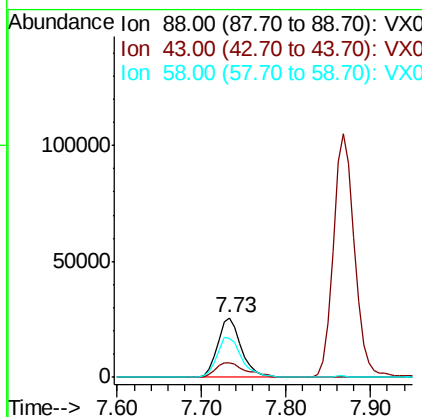
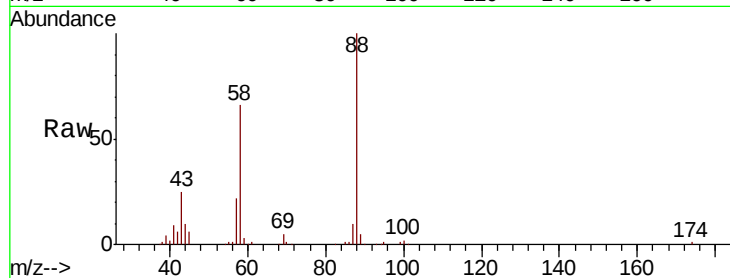
#49
1,4-Dioxane
Concen: 883.292 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013005.D
Acq: 10 Oct 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :
S49-0555MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.9	25.0	37.6
58	70.7	55.4	83.2

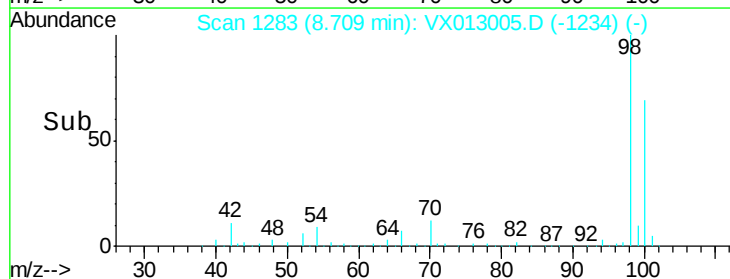
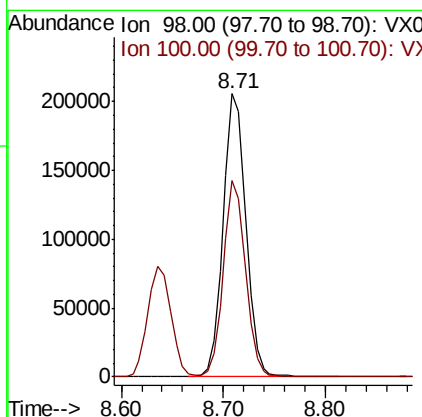
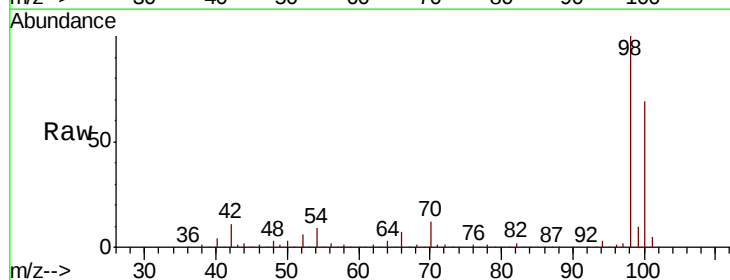
Manual Integrations
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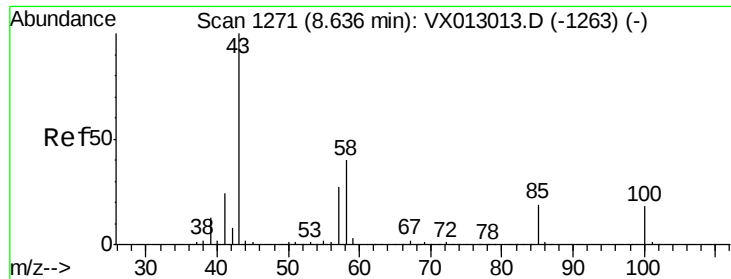
MMDadoda
10/14/2019 1:05:38 PM



#50
Toluene-d8
Concen: 52.318 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013005.D
Acq: 10 Oct 2019 18:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 272.318 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013005.D

Acq: 10 Oct 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

S49-0555MSD

Tot Ion: 43 Resp: 732008

Ion Ratio Lower Upper

43 100

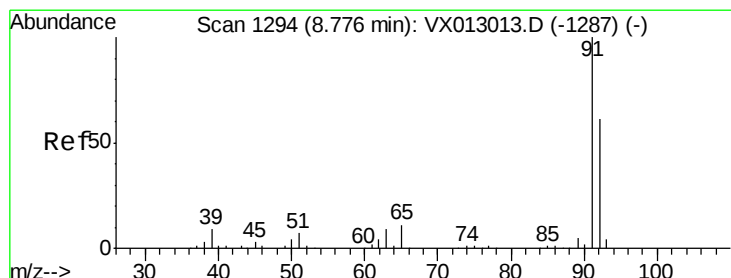
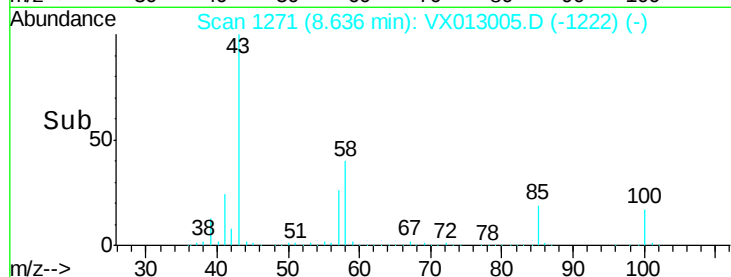
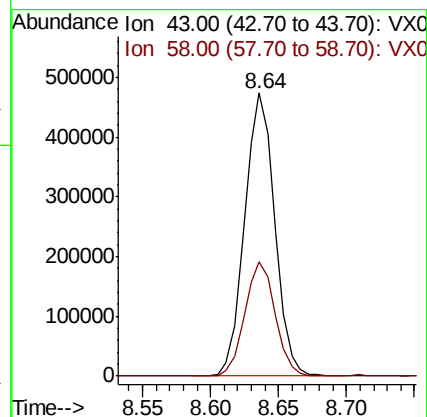
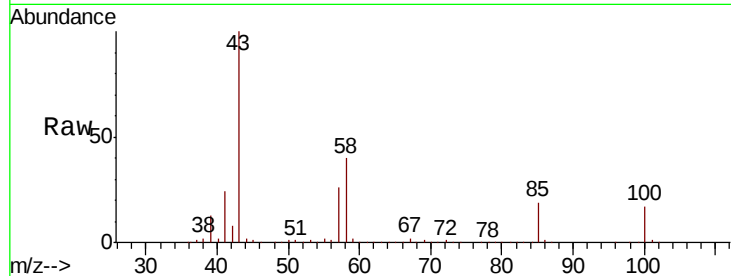
58 40.5 32.4 48.6

Manual Integrations

APPROVED

MMDadoda

10/14/2019 1:05:38 PM



#52

Toluene

Concen: 53.635 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013005.D

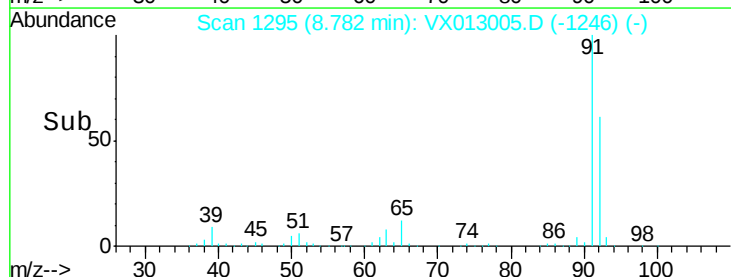
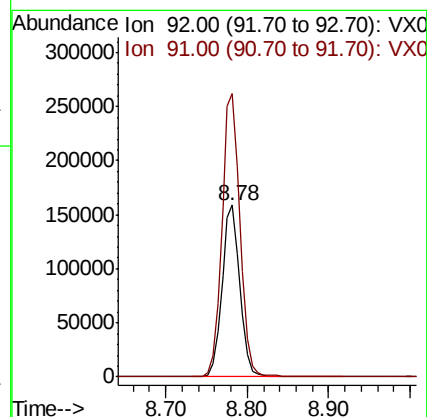
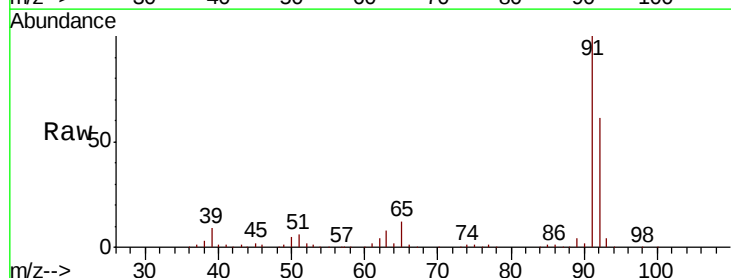
Acq: 10 Oct 2019 18:50

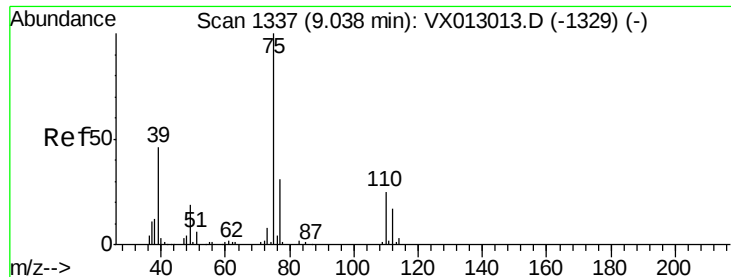
Tgt Ion: 92 Resp: 243454

Ion Ratio Lower Upper

92 100

91 167.5 135.9 203.9





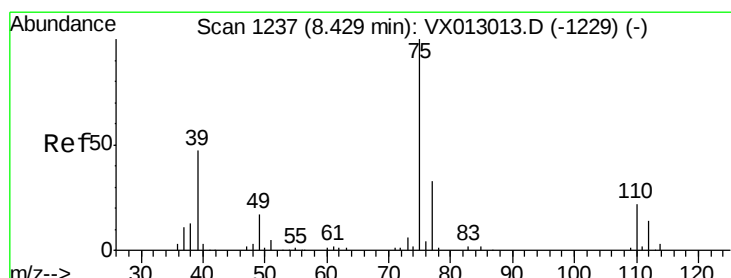
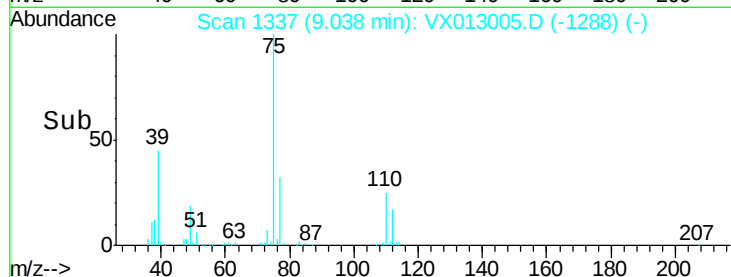
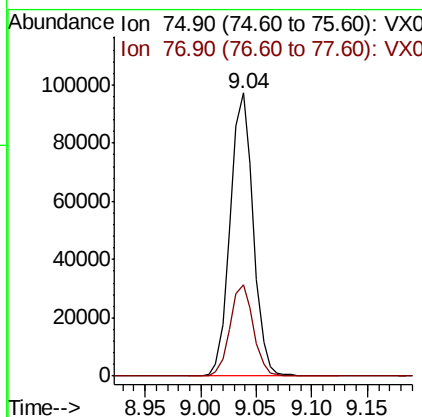
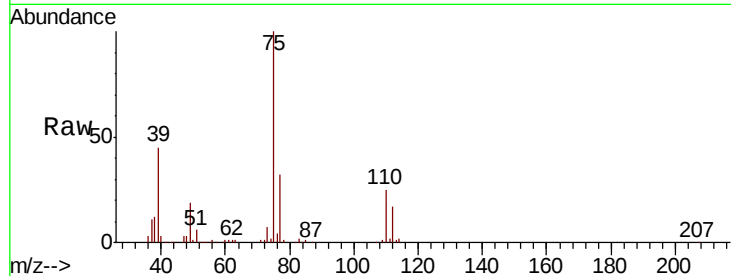
#53
 t-1,3-Dichloropropene
 Concen: 47.477 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX013005.D
 Acq: 10 Oct 2019 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0555MSD

Tot Ion: 75 Resp: 138970
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.8 38.6

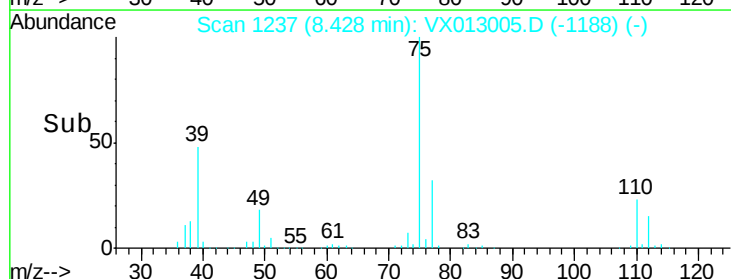
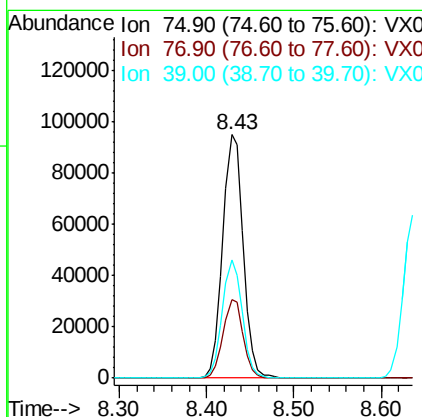
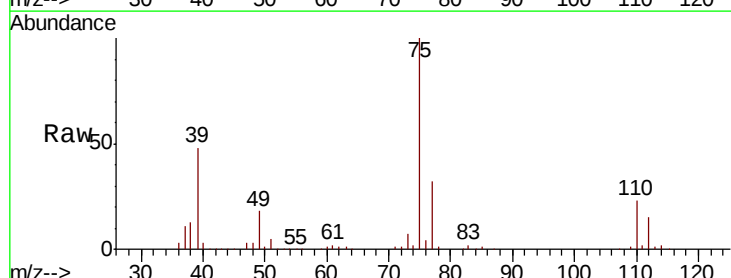
Manual Integrations
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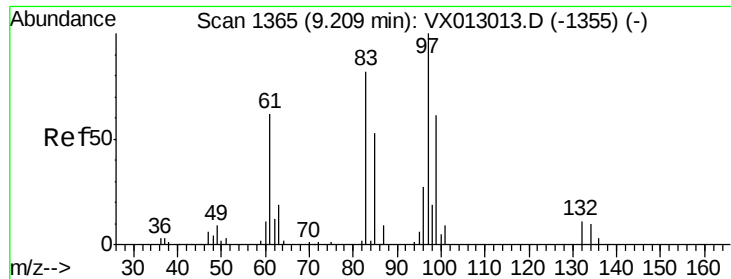
MMDadoda
 10/14/2019 1:05:38 PM



#54
 cis-1,3-Dichloropropene
 Concen: 53.286 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX013005.D
 Acq: 10 Oct 2019 18:50

Tgt Ion: 75 Resp: 154090
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.8 38.8
 39 48.3 38.2 57.2





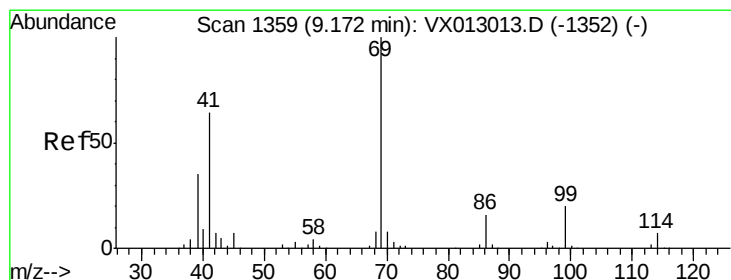
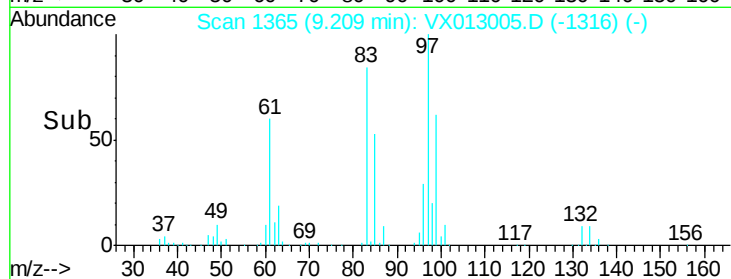
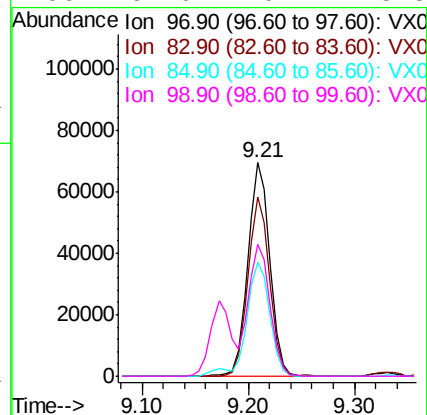
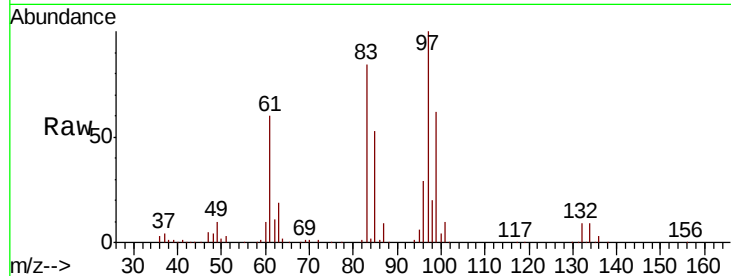
#55
 1,1,2-Trichloroethane
 Concen: 55.809 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013005.D
 Acq: 10 Oct 2019 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0555MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		100252		
83	84.2	66.5	99.7		
85	53.5	43.1	64.7		
99	61.9	49.2	73.8		

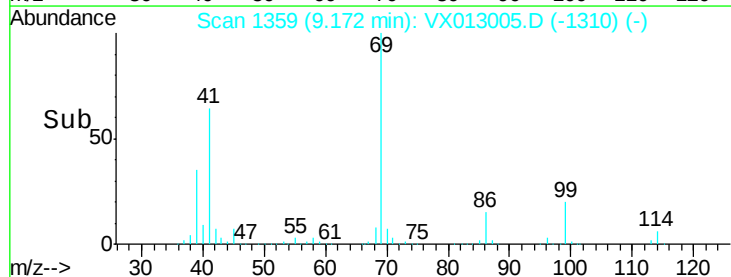
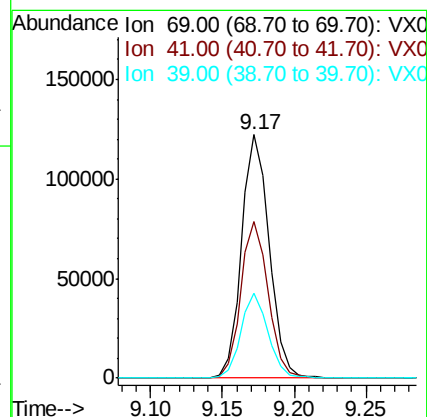
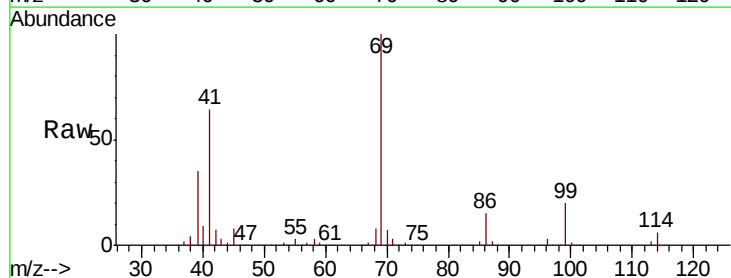
Manual Integrations
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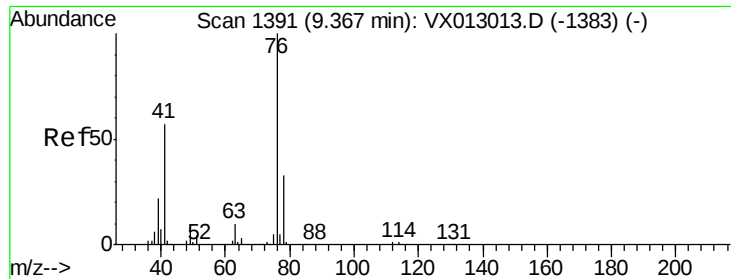
MMDadoda
 10/14/2019 1:05:38 PM



#56
 Ethyl methacrylate
 Concen: 50.984 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013005.D
 Acq: 10 Oct 2019 18:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		164118		
41	63.8	52.1	78.1		
39	34.2	27.8	41.8		





#57

1,3-Dichloropropane

Concen: 54.133 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013005.D

Acq: 10 Oct 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

S49-0555MSD

Tot Ion: 76 Resp: 168208

Ion Ratio Lower Upper

76 100

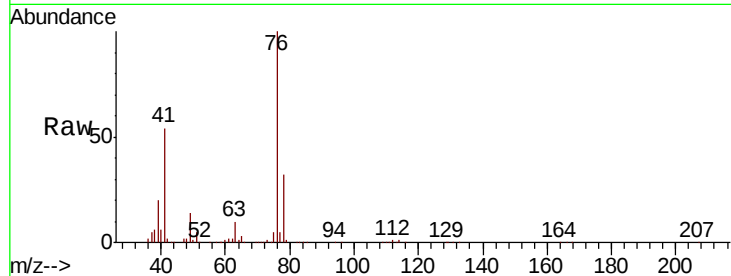
78 31.8 26.1 39.1

Manual Integrations

APPROVED

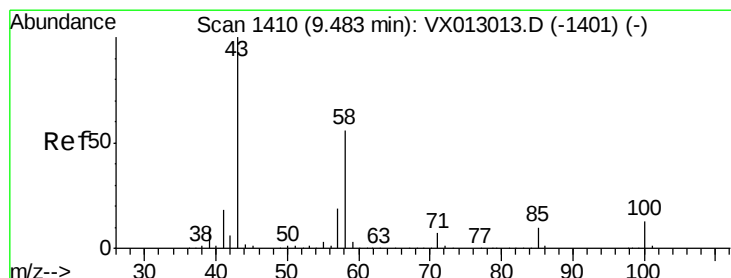
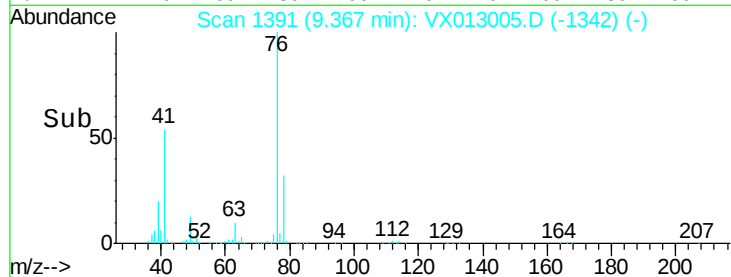
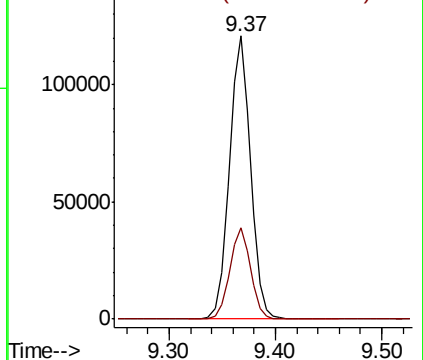
MMDadoda

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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: 269.190 ug/l

RT: 9.49 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VX013005.D

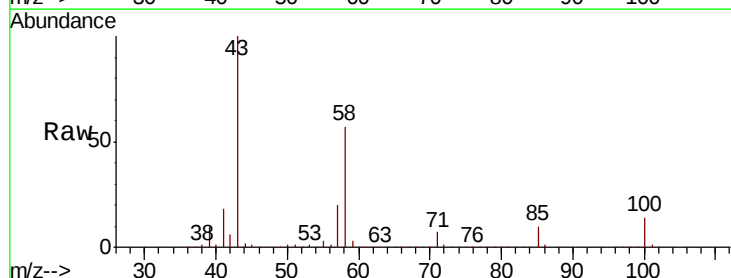
Acq: 10 Oct 2019 18:50

Tgt Ion: 43 Resp: 563277

Ion Ratio Lower Upper

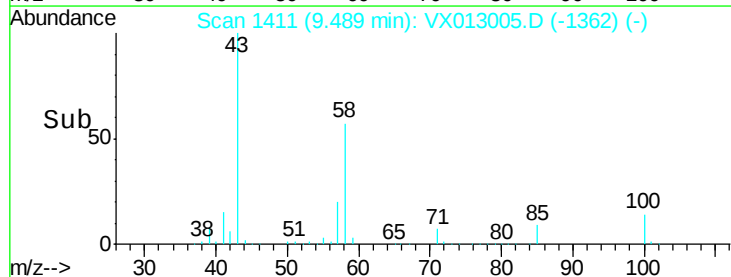
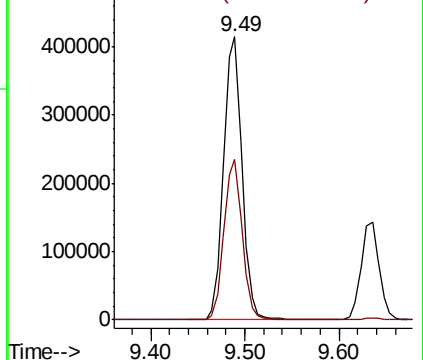
43 100

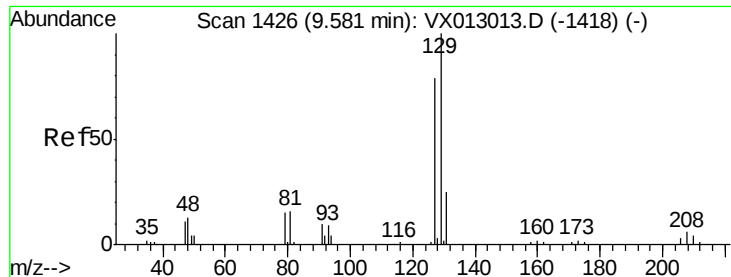
58 56.3 28.1 84.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 50.410 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.00 min

Lab File: VX013005.D

Acq: 10 Oct 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

S49-0555MSD

Tot Ion:129 Resp: 100802

Ion Ratio Lower Upper

129 100

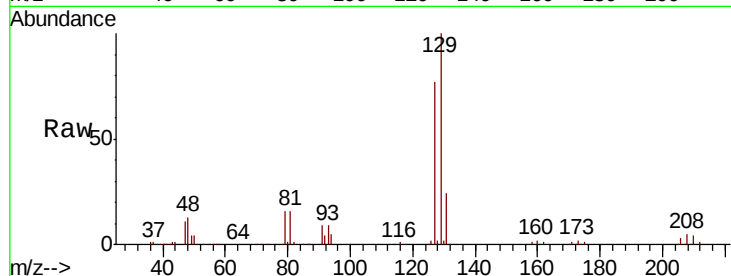
127 77.3 38.9 116.7

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.58

80000

60000

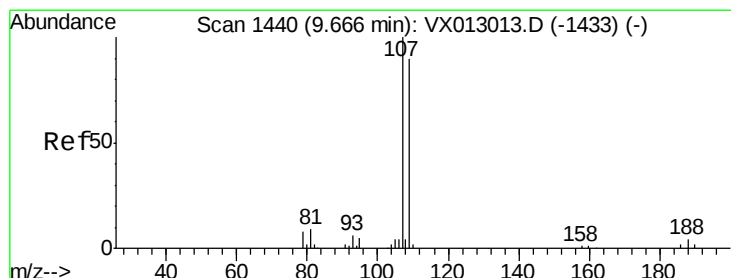
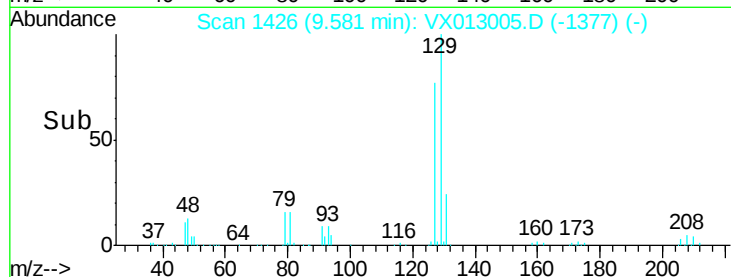
40000

20000

0

9.50 9.55 9.60 9.65 9.70

Time-->



#61

1,2-Dibromoethane

Concen: 54.492 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013005.D

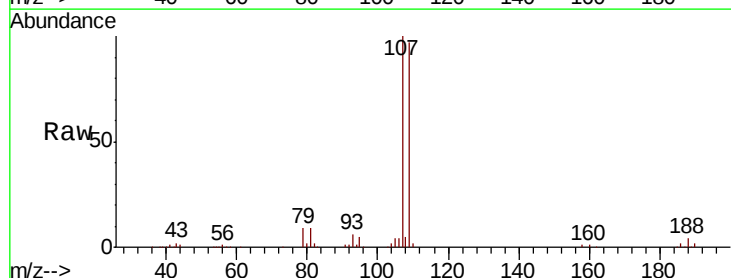
Acq: 10 Oct 2019 18:50

Tgt Ion:107 Resp: 102971

Ion Ratio Lower Upper

107 100

109 94.5 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

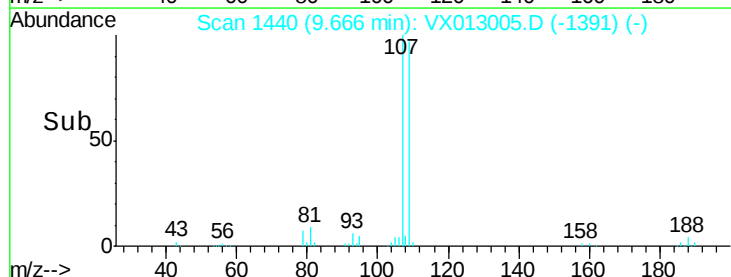
40000

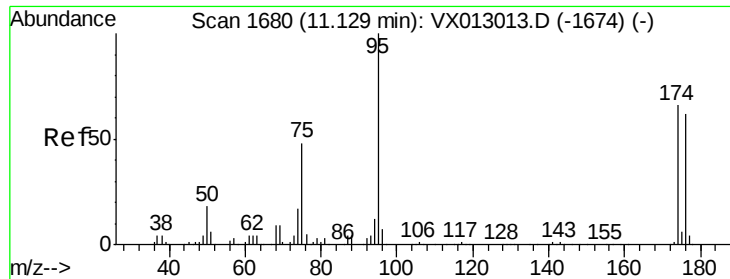
20000

0

9.60 9.65 9.70 9.75

Time-->





#62

4-Bromofluorobenzene

Concen: 52.629 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013005.D

Acq: 10 Oct 2019 18:50

Instrument :

MSVOA_X

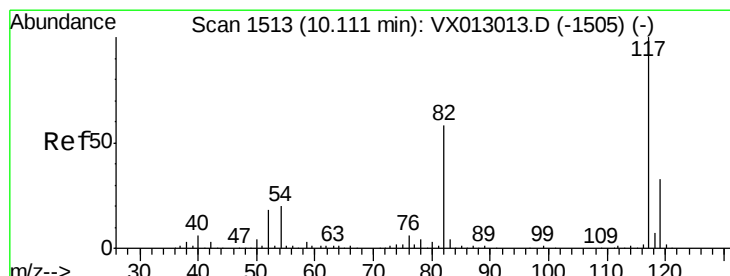
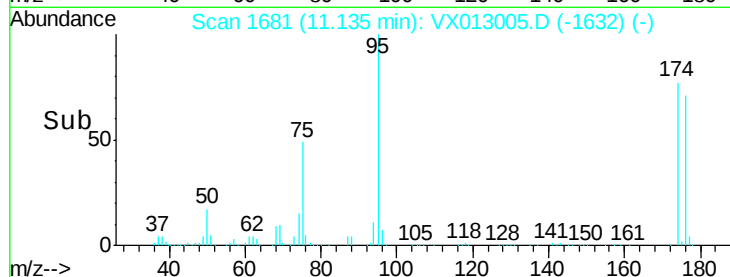
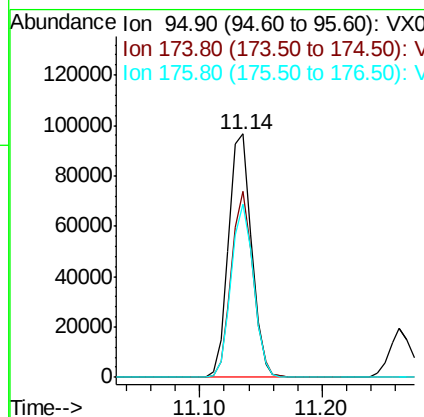
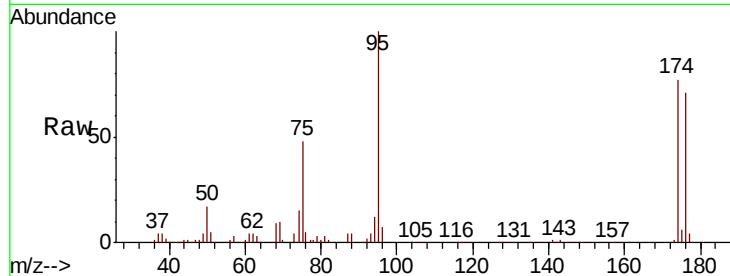
ClientSampleId :

S49-0555MSD

Tot Ion:	95	Resp:	125075
Ion Ratio	Lower	Upper	
95	100		
174	72.5	0.0	143.4
176	69.2	0.0	136.0

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

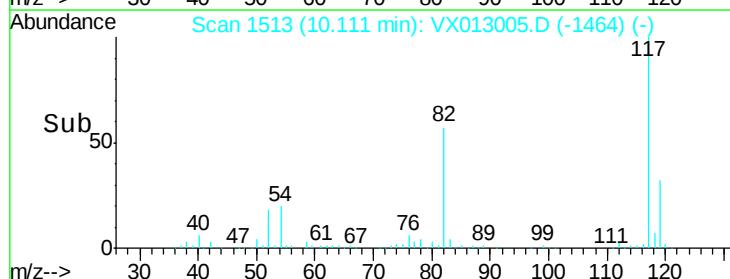
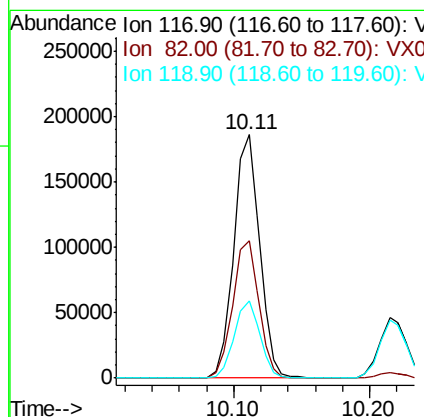
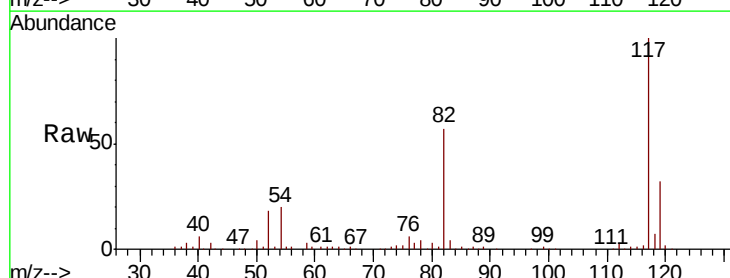
RT: 10.11 min Scan# 1513

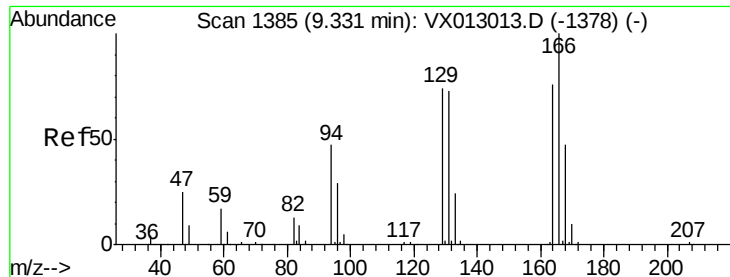
Delta R.T. -0.00 min

Lab File: VX013005.D

Acq: 10 Oct 2019 18:50

Tgt Ion:	117	Resp:	246278
Ion Ratio	Lower	Upper	
117	100		
82	56.5	44.1	66.1
119	31.6	25.8	38.8





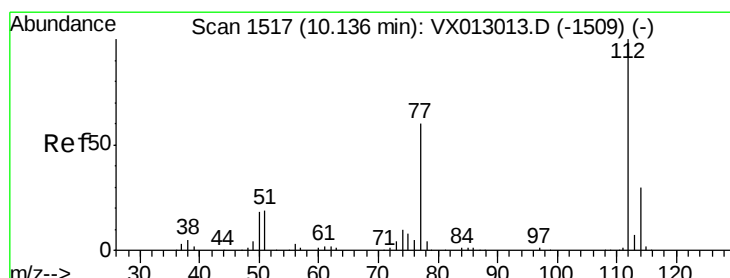
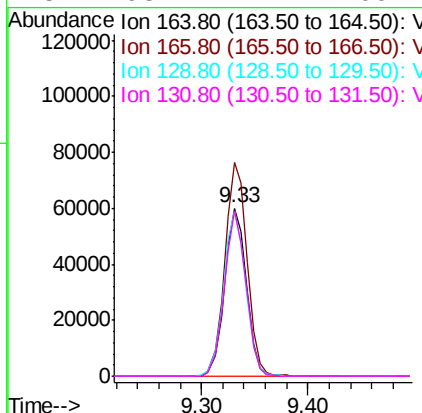
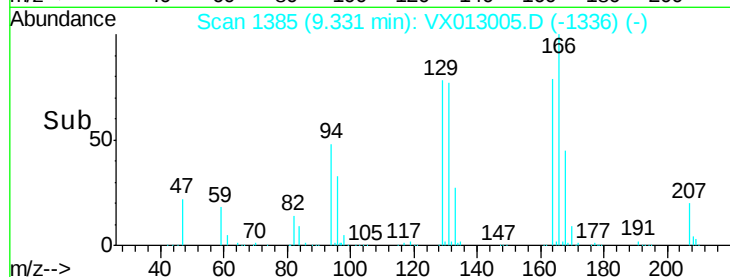
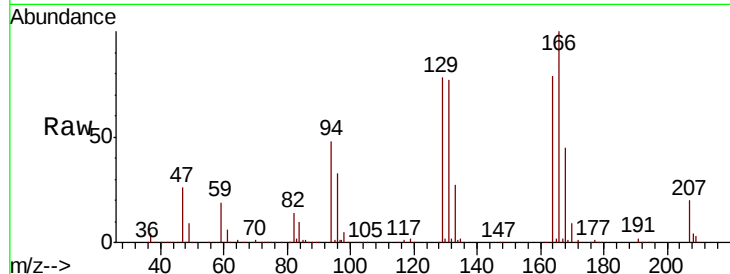
#64
Tetrachloroethene
Concen: 50.646 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013005.D
Acq: 10 Oct 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :
S49-0555MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	127.2	96.9	145.3	
129	98.6	77.9	116.9	
131	98.2	72.7	109.1	

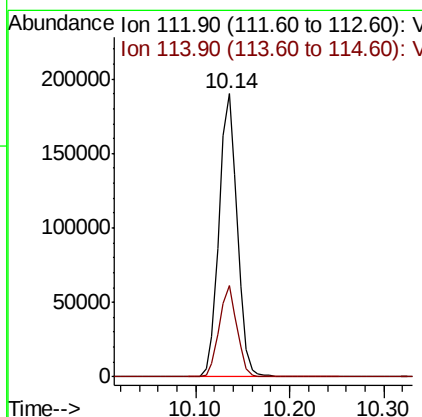
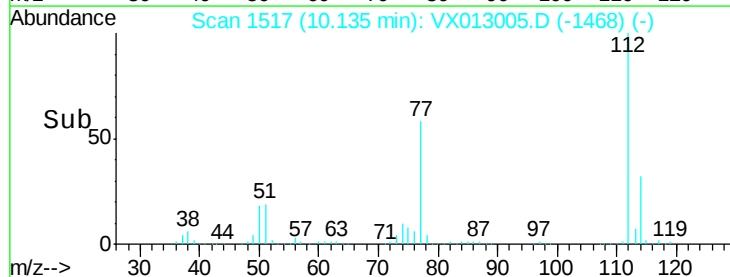
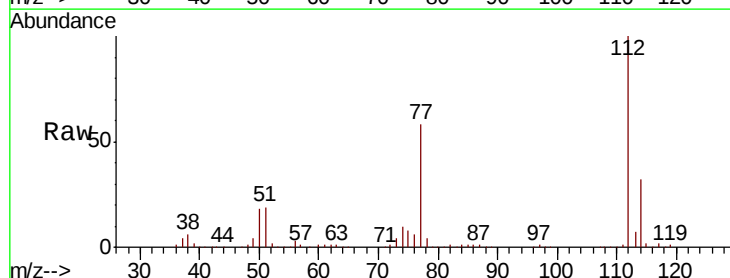
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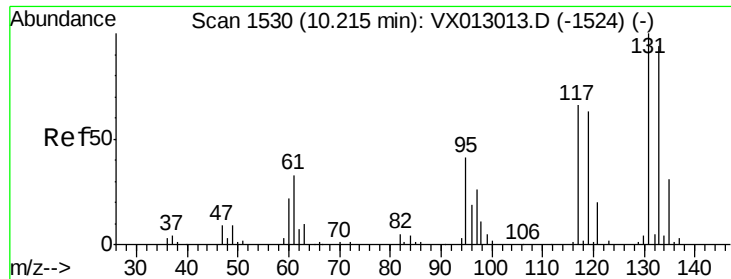
MMDadoda
10/14/2019 1:05:38 PM



#65
Chlorobenzene
Concen: 52.102 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013005.D
Acq: 10 Oct 2019 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	32.1	25.7	38.5	





#66

1,1,1,2-Tetrachloroethane

Concen: 55.224 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX013005.D

Acq: 10 Oct 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

S49-0555MSD

Tot Ion:131 Resp: 93645

Ion Ratio Lower Upper

131 100

133 95.3 47.2 141.6

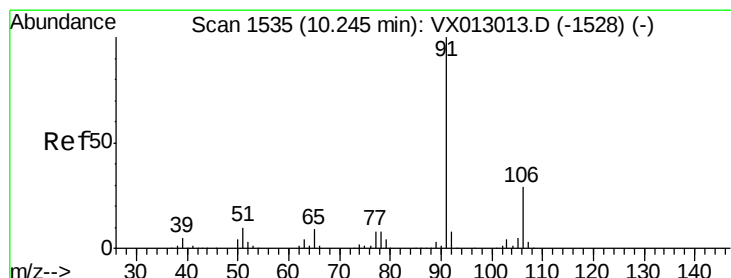
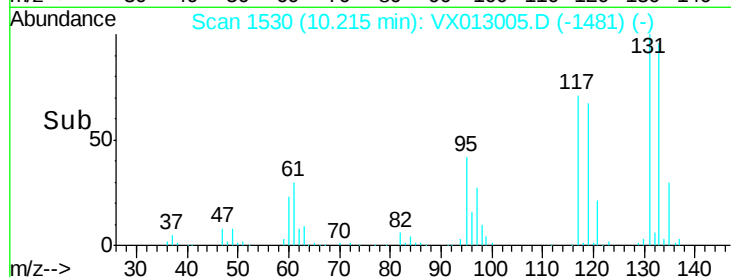
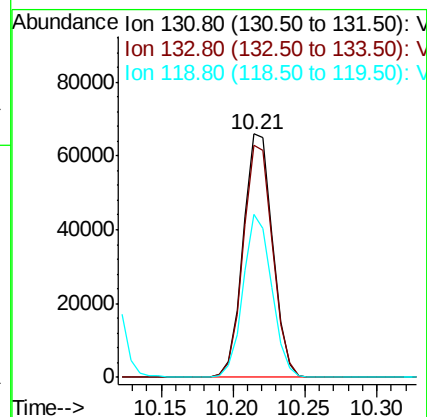
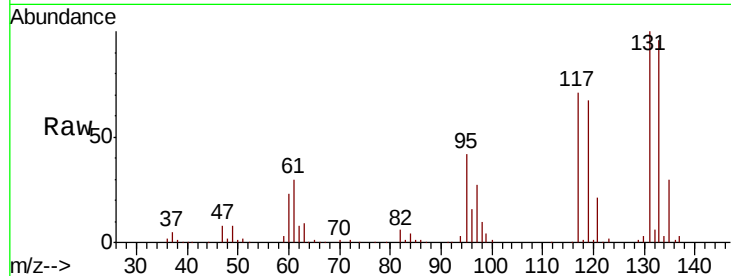
119 64.7 32.6 98.0

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#67

Ethyl Benzene

Concen: 52.939 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013005.D

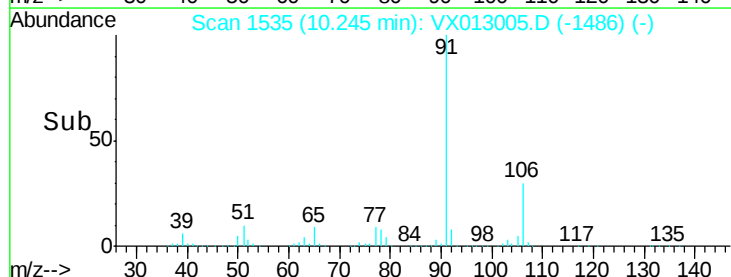
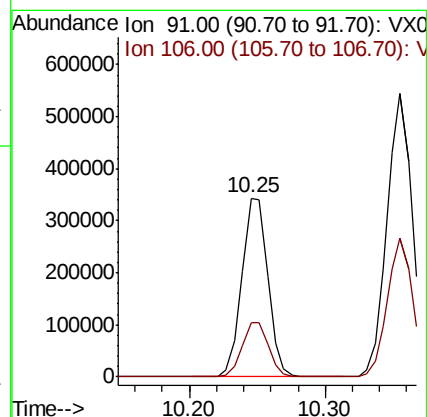
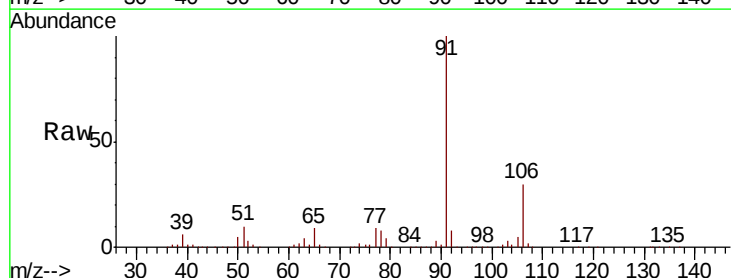
Acq: 10 Oct 2019 18:50

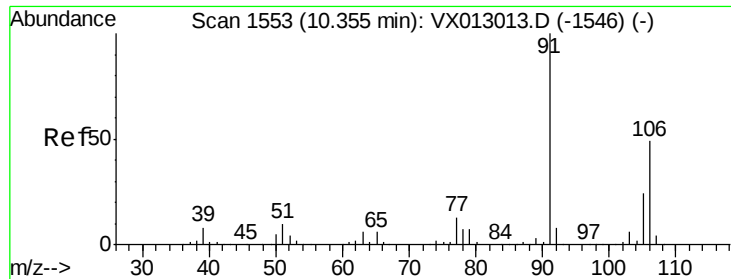
Tgt Ion: 91 Resp: 459894

Ion Ratio Lower Upper

91 100

106 30.3 23.9 35.9





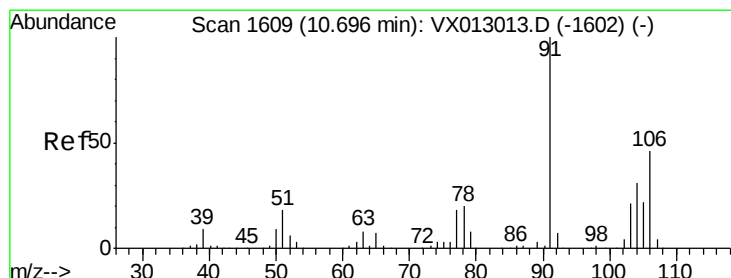
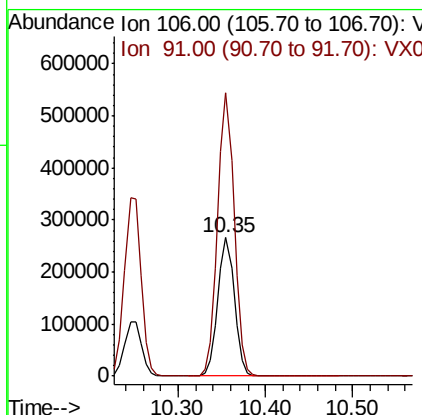
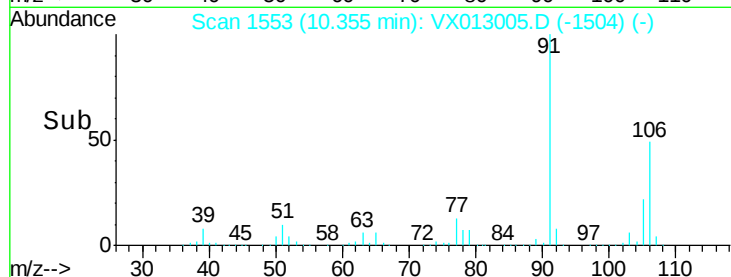
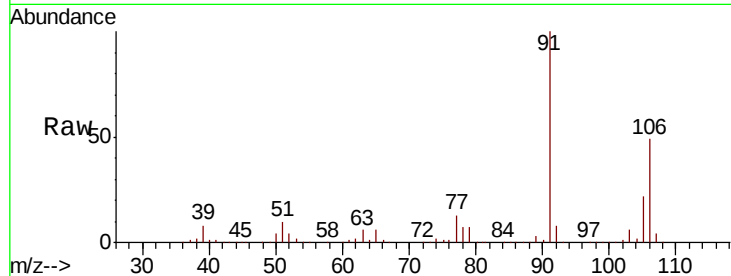
#68
m/p-Xylenes
Concen: 107.495 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013005.D
Acq: 10 Oct 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :
S49-0555MSD

Tot Ion:106 Resp: 348865
Ion Ratio Lower Upper
106 100
91 205.1 165.3 247.9

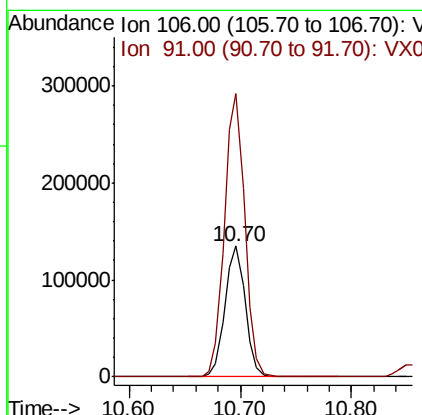
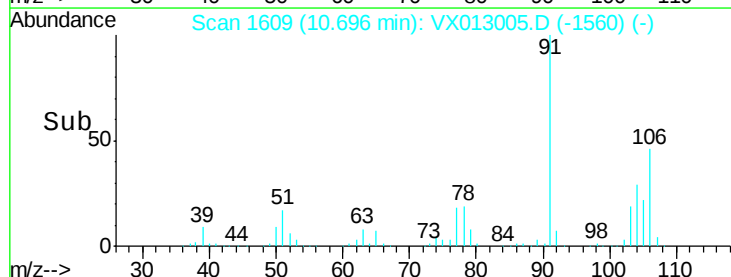
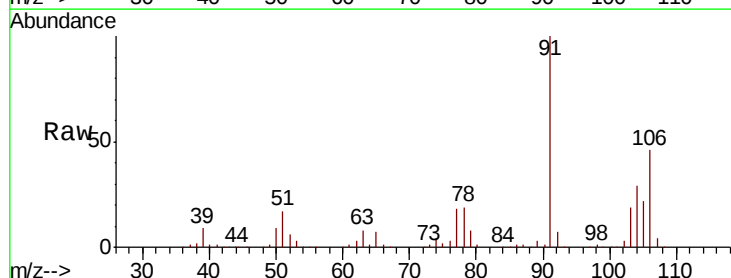
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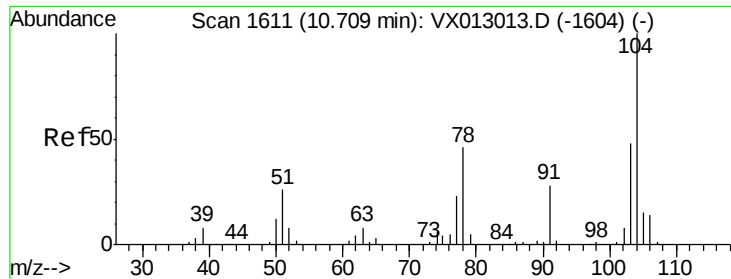
MMDadoda
10/14/2019 1:05:38 PM



#69
o-Xylene
Concen: 53.642 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013005.D
Acq: 10 Oct 2019 18:50

Tgt Ion:106 Resp: 169769
Ion Ratio Lower Upper
106 100
91 216.8 109.1 327.3





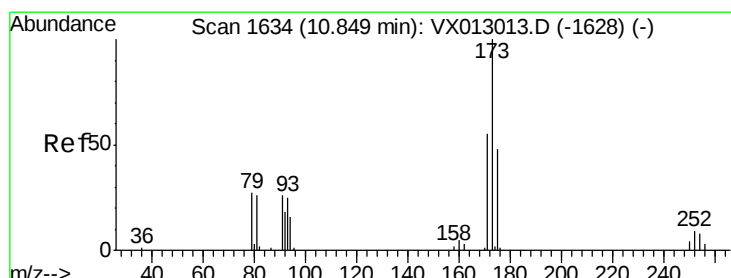
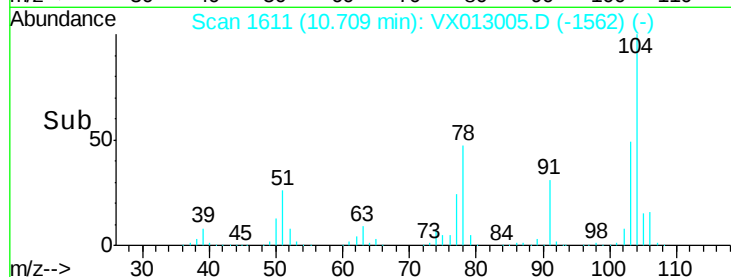
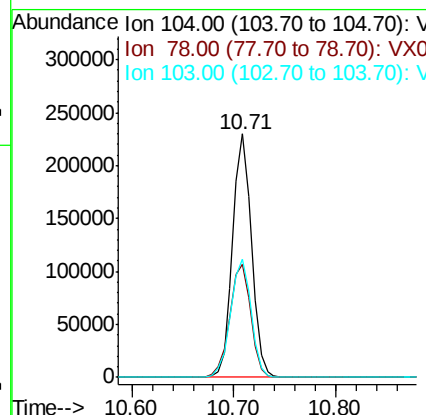
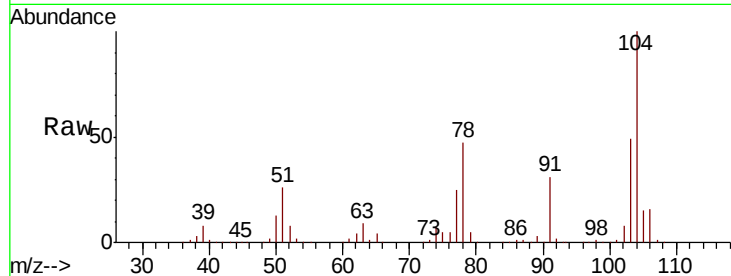
#70
Stvrene
Concen: 54.651 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013005.D
Acq: 10 Oct 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :
S49-0555MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.8	41.2	61.8
103	52.9	43.0	64.4

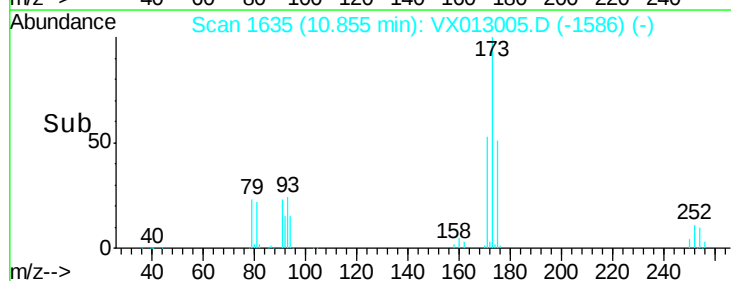
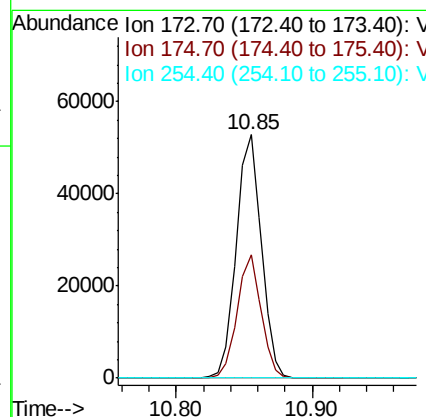
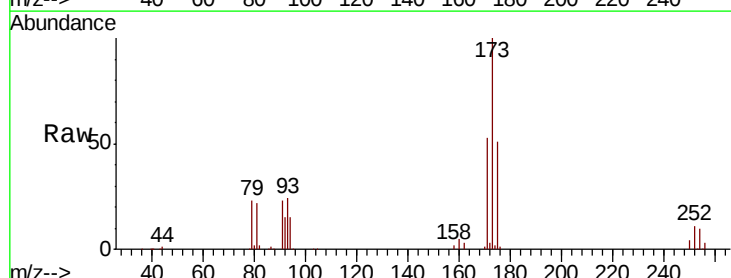
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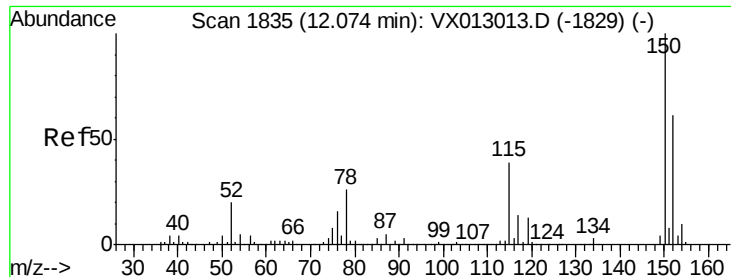
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10/14/2019 1:05:38 PM



#71
Bromoform
Concen: 47.284 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013005.D
Acq: 10 Oct 2019 18:50

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.1	72.3
254	0.2	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: VX013005.D

Acq: 10 Oct 2019 18:50

Instrument :

MSVOA_X

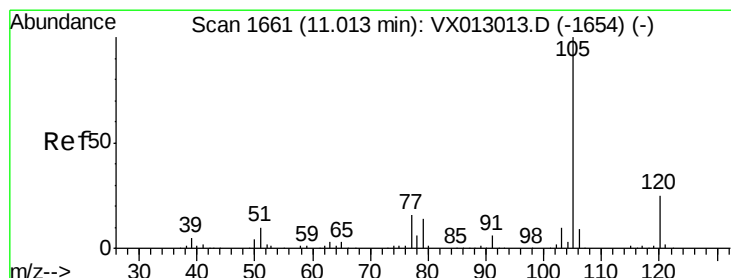
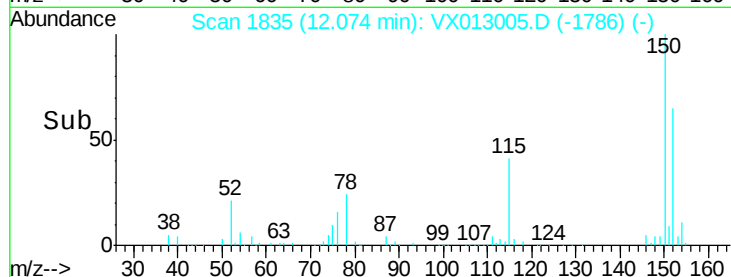
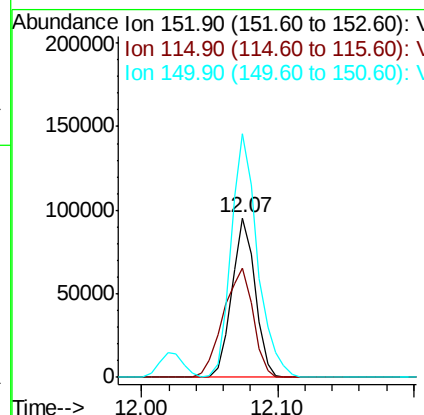
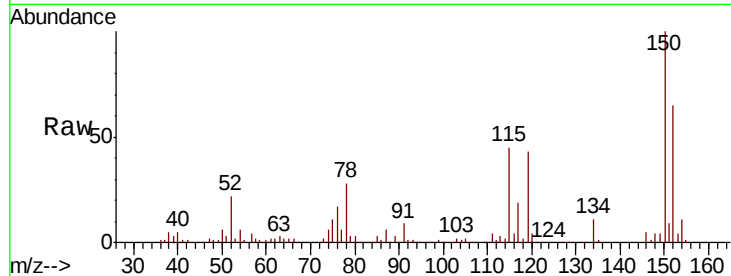
ClientSampleId :

S49-0555MSD

Tot Ion:	152	Resp:	112987
Ion Ratio	Lower	Upper	
152	100		
115	87.6	44.5	133.5
150	172.4	0.0	353.4

Manual Integrations
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#73

Isopropylbenzene

Concen: 53.833 ug/l

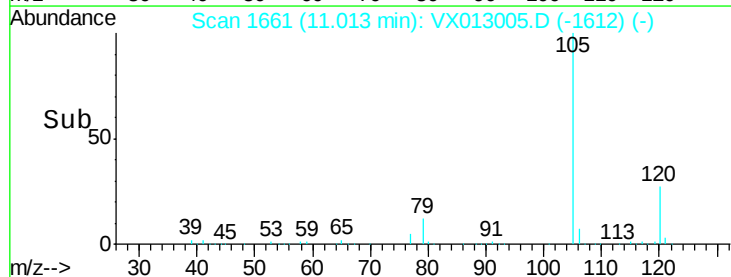
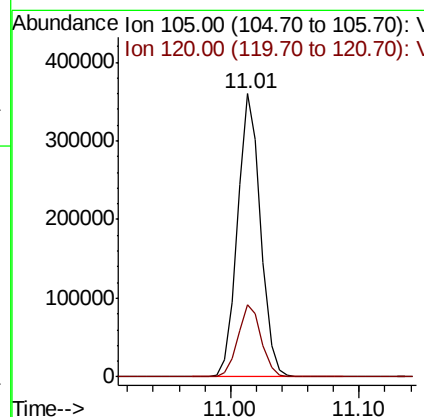
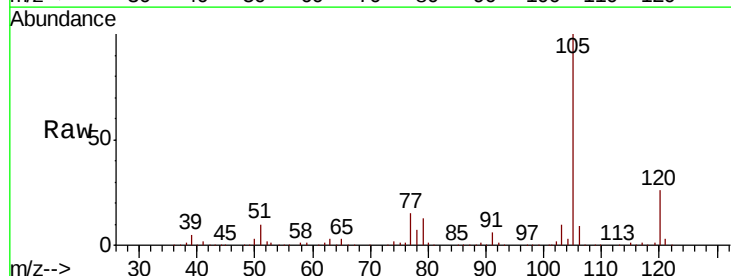
RT: 11.01 min Scan# 1661

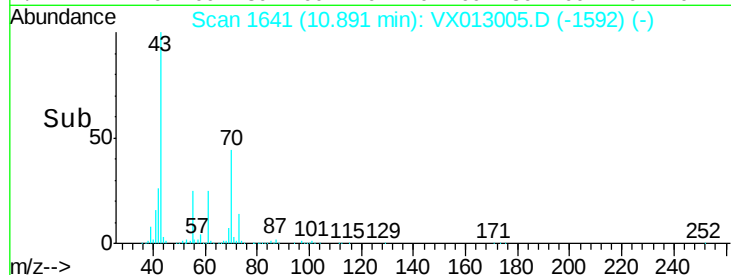
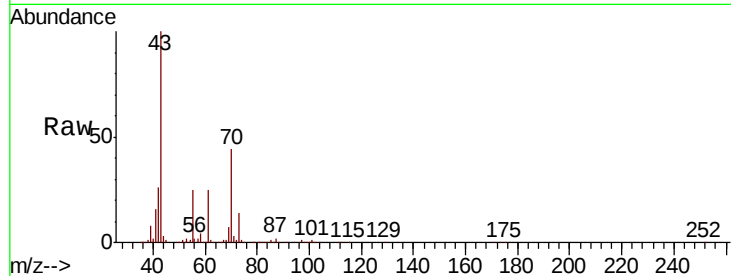
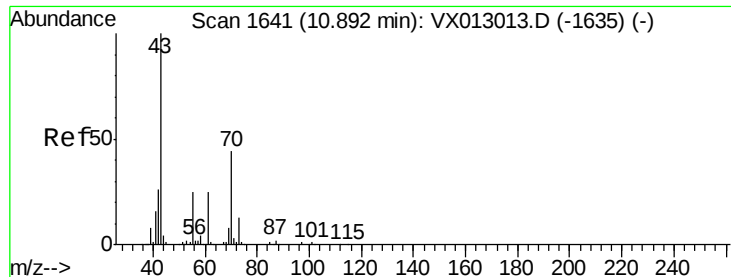
Delta R.T. -0.00 min

Lab File: VX013005.D

Acq: 10 Oct 2019 18:50

Tgt Ion:	105	Resp:	447189
Ion Ratio	Lower	Upper	
105	100		
120	25.9	13.0	39.0





#74

N-amvl acetate

Concen: 52.352 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013005.D

Acq: 10 Oct 2019 18:50

Tot Ion	Ratio	Lower	Upper
43	100		
70	44.1	36.4	54.6
55	25.0	20.2	30.2
61	25.6	20.5	30.7

Instrument :

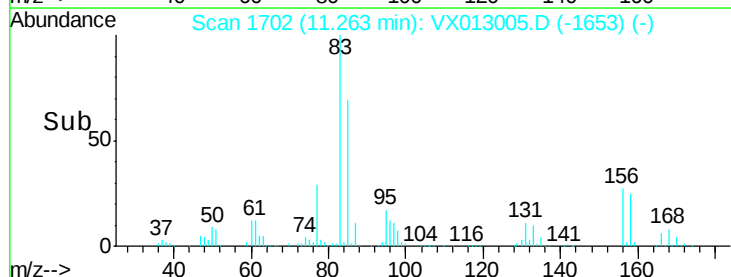
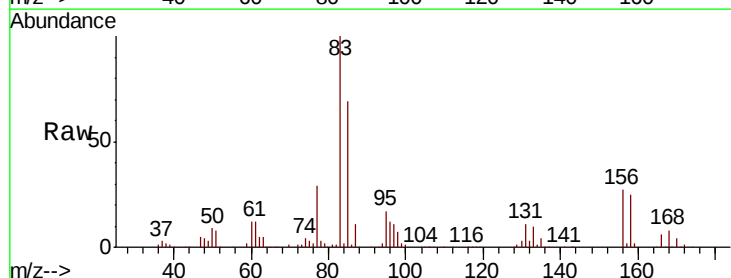
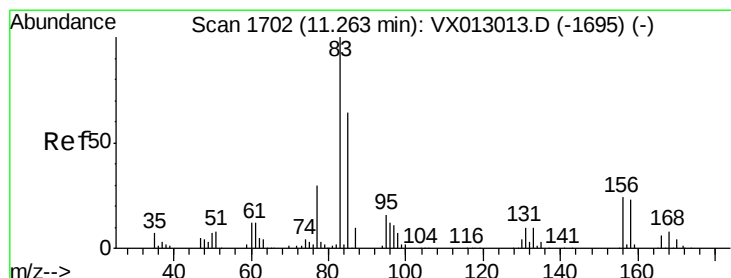
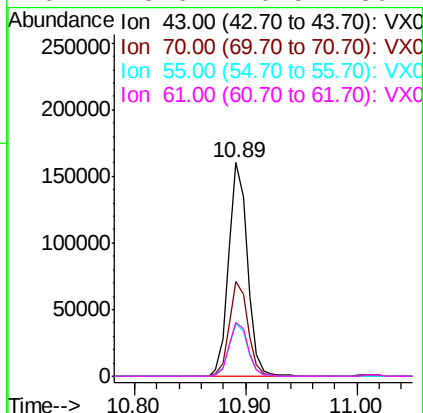
MSVOA_X

ClientSampled :

S49-0555MSD

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#75

1,1,2,2-Tetrachloroethane

Concen: 54.770 ug/l

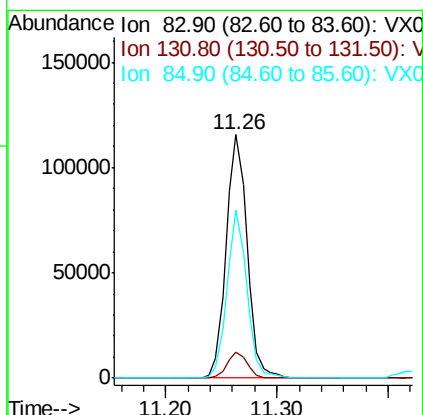
RT: 11.26 min Scan# 1702

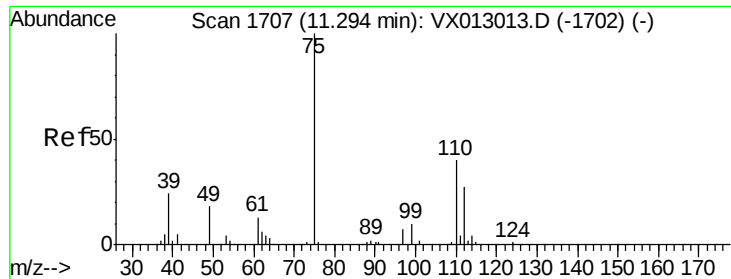
Delta R.T. -0.00 min

Lab File: VX013005.D

Acq: 10 Oct 2019 18:50

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.3
85	65.1	32.1	96.5





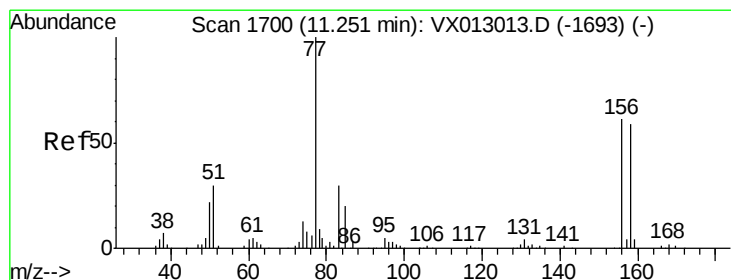
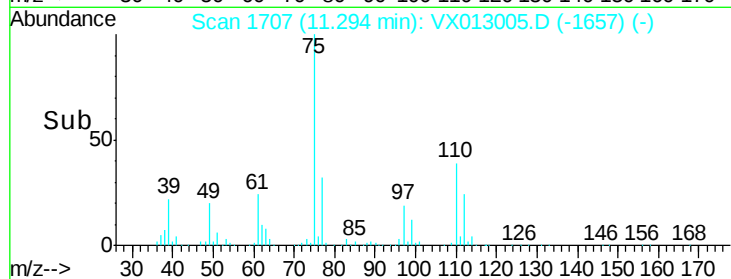
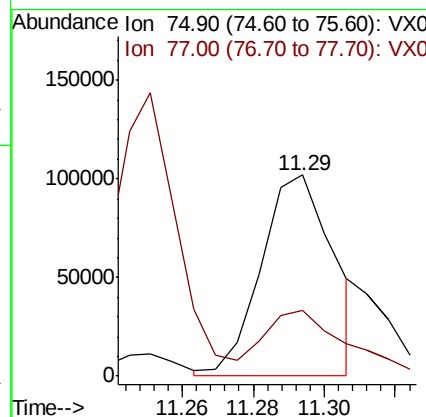
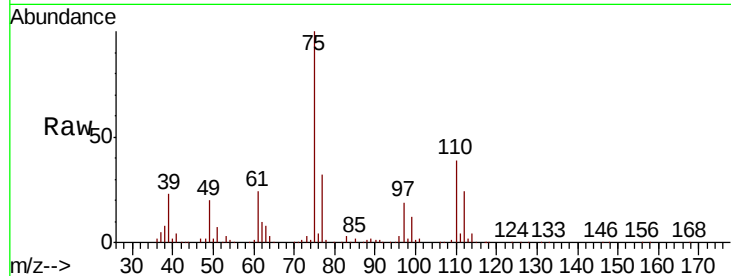
#76
 1,2,3-Trichloropropane
 Concen: 57.164 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.01 min
 Lab File: VX013005.D
 Acq: 10 Oct 2019 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0555MSD

Tot Ion: 75 Resp: 143255
 Ion Ratio Lower Upper
 75 100
 77 37.4 22.9 68.8

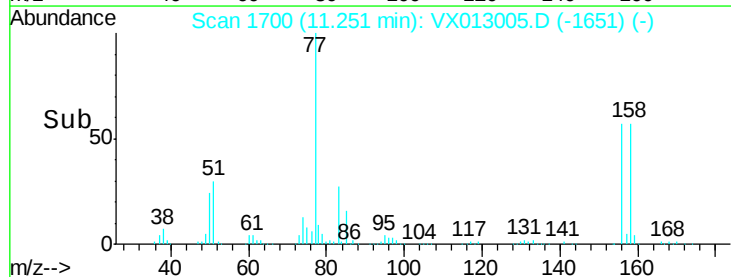
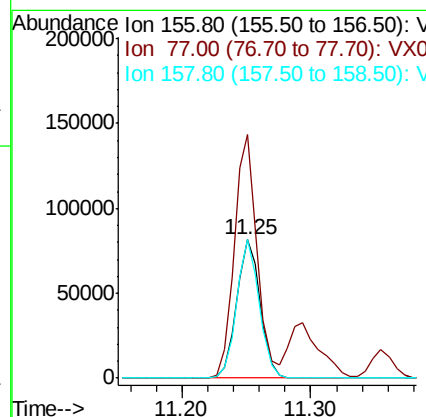
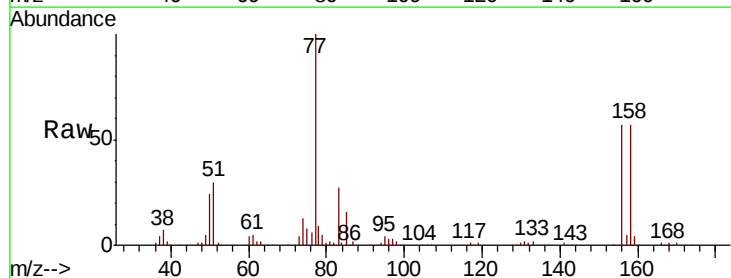
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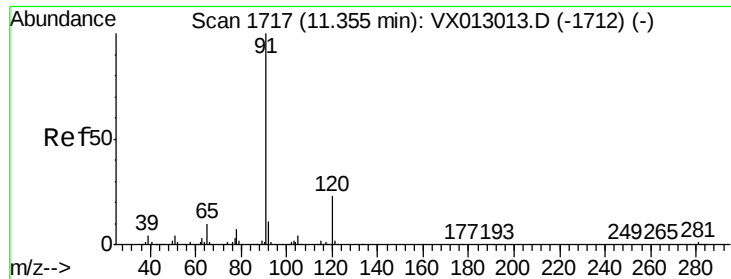
MMDadoda
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#77
 Bromobenzene
 Concen: 53.020 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VX013005.D
 Acq: 10 Oct 2019 18:50

Tgt Ion: 156 Resp: 103788
 Ion Ratio Lower Upper
 156 100
 77 171.7 83.7 251.0
 158 96.7 48.6 145.9





#78

n-propylbenzene

Concen: 52.215 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013005.D

Acq: 10 Oct 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

S49-0555MSD

Tot Ion: 91 Resp: 477283

Ion Ratio Lower Upper

91 100

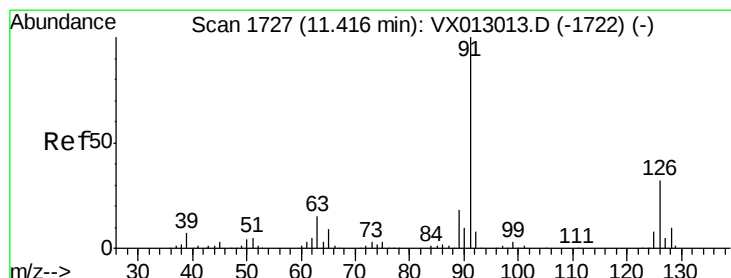
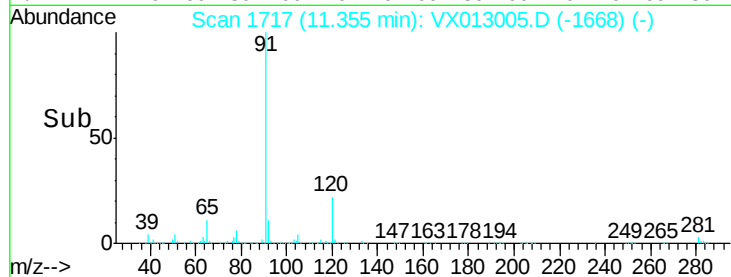
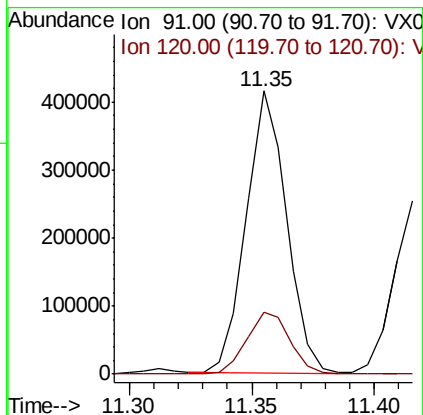
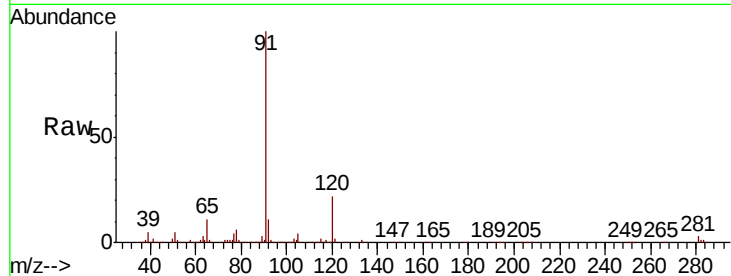
120 23.3 11.7 35.1

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#79

2-Chlorotoluene

Concen: 54.331 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013005.D

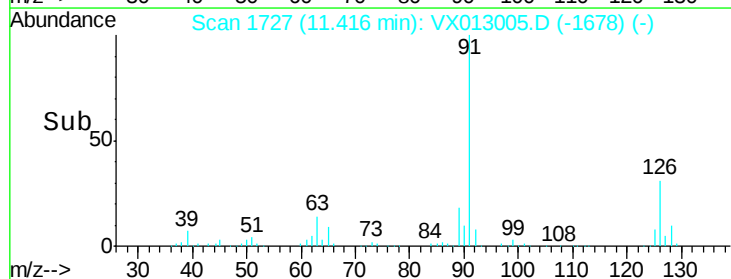
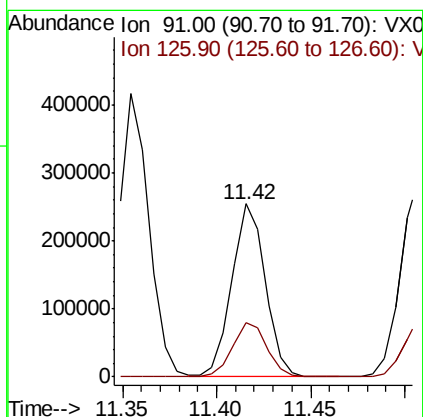
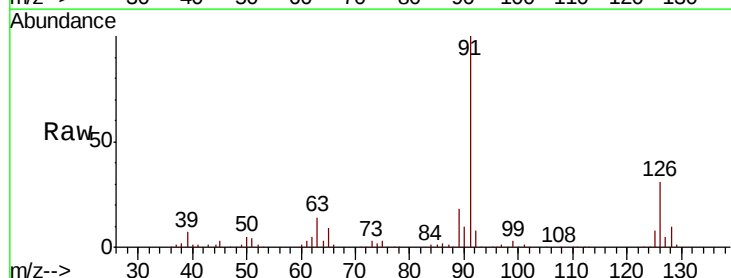
Acq: 10 Oct 2019 18:50

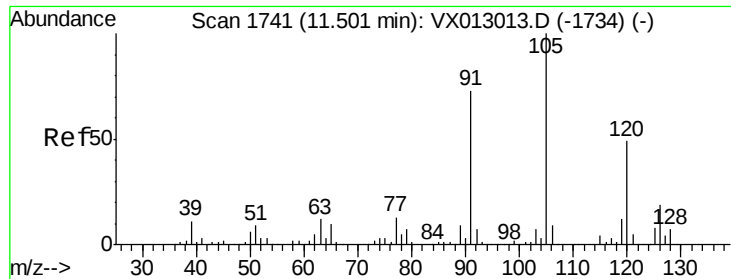
Tgt Ion: 91 Resp: 312113

Ion Ratio Lower Upper

91 100

126 32.2 16.3 48.8





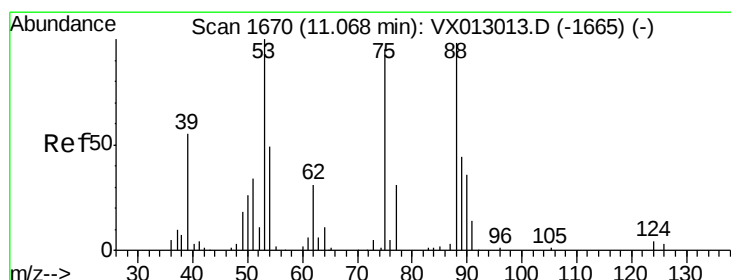
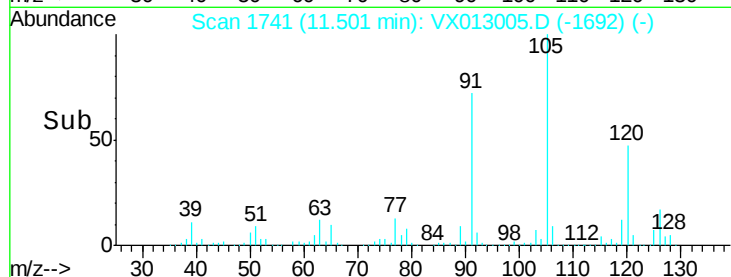
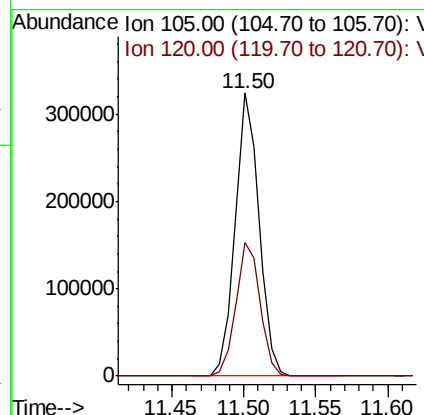
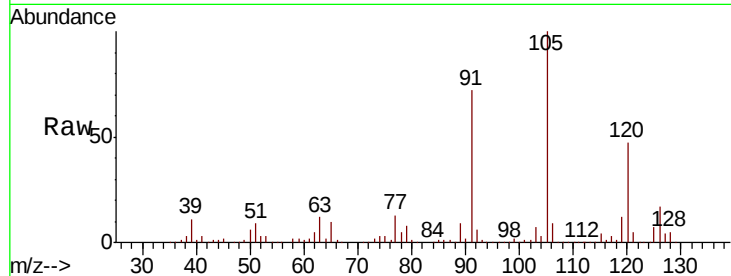
#80
 1,3,5-Trimethylbenzene
 Concen: 54.742 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013005.D
 Acq: 10 Oct 2019 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0555MSD

Tot Ion:105 Resp: 379714
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.8 74.3

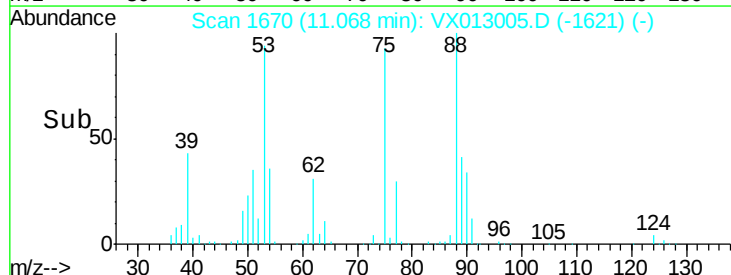
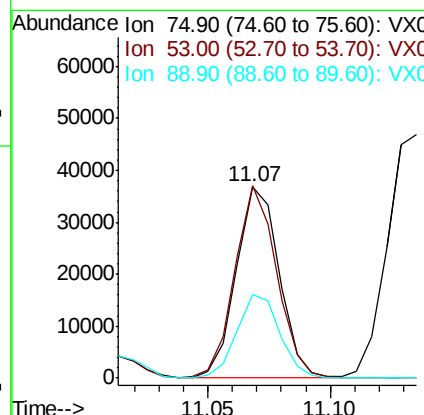
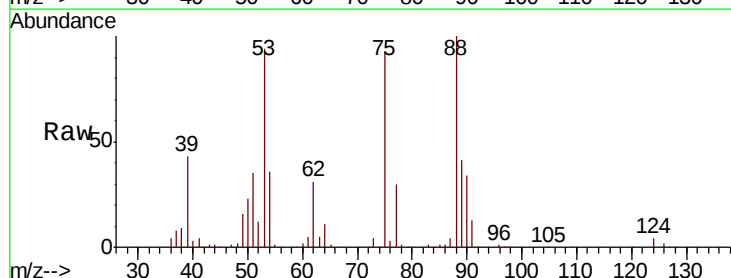
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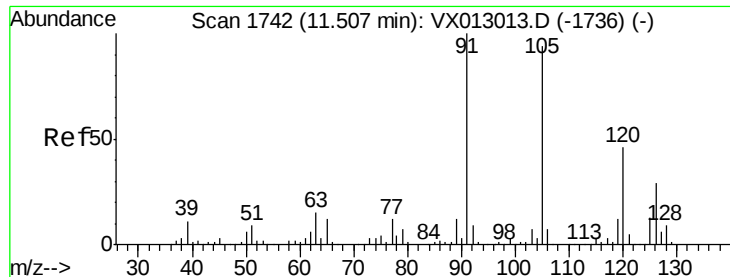
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 10/14/2019 1:05:38 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.193 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VX013005.D
 Acq: 10 Oct 2019 18:50

Tgt Ion: 75 Resp: 44687
 Ion Ratio Lower Upper
 75 100
 53 99.5 78.5 117.7
 89 44.3 37.4 56.2





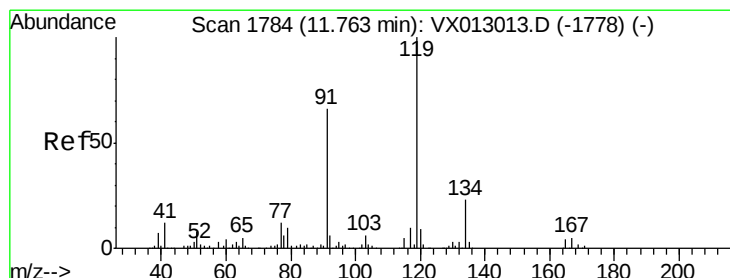
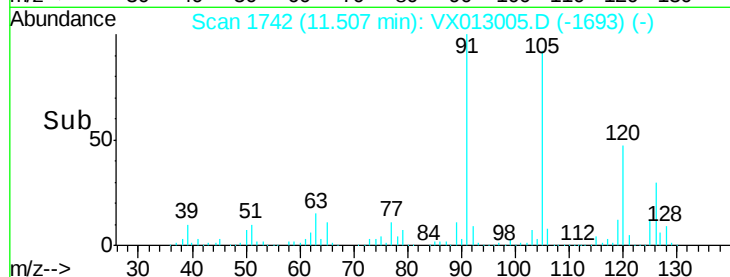
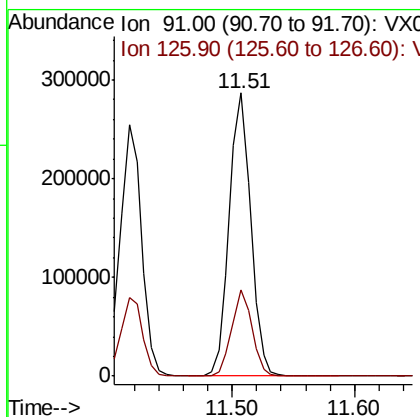
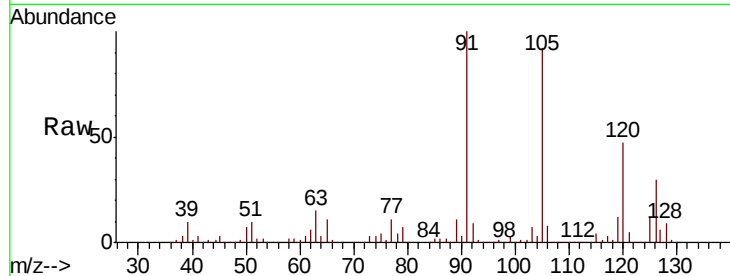
#82
4-Chlorotoluene
Concen: 52.911 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX013005.D
Acq: 10 Oct 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :
S49-0555MSD

Tot Ion: 91 Resp: 348396
Ion Ratio Lower Upper
91 100
126 28.7 14.2 42.6

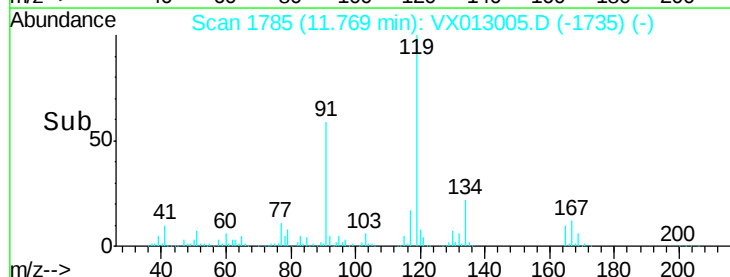
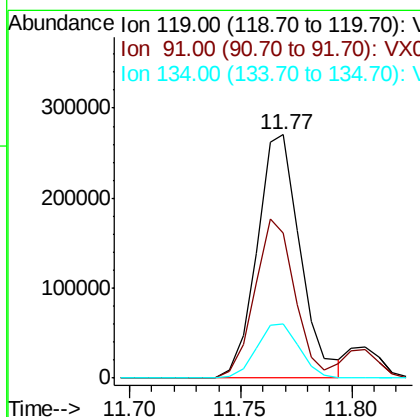
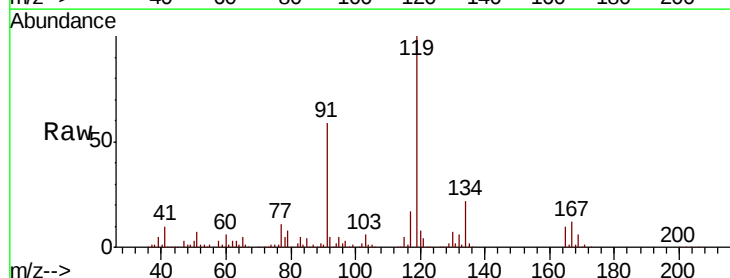
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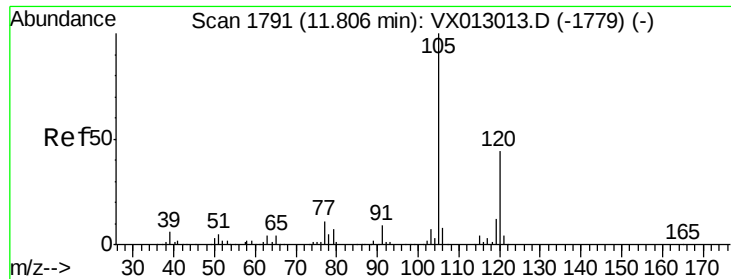
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#83
tert-Butylbenzene
Concen: 54.023 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VX013005.D
Acq: 10 Oct 2019 18:50

Tgt Ion: 119 Resp: 365537
Ion Ratio Lower Upper
119 100
91 60.4 29.3 87.9
134 22.1 11.5 34.4





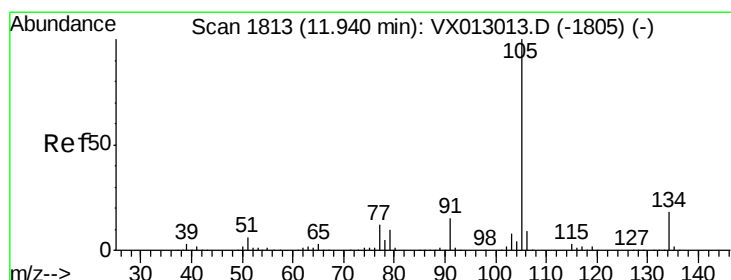
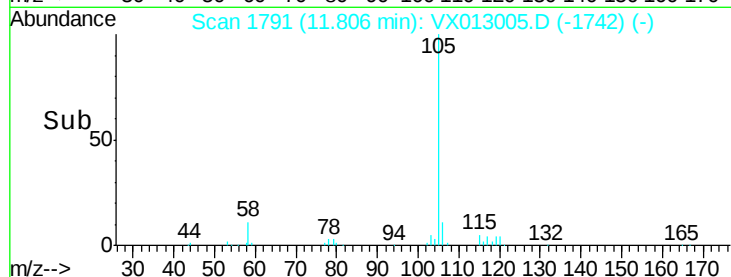
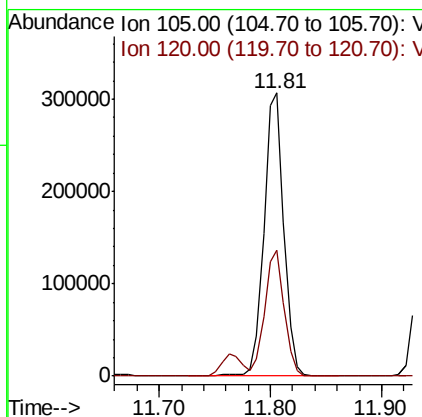
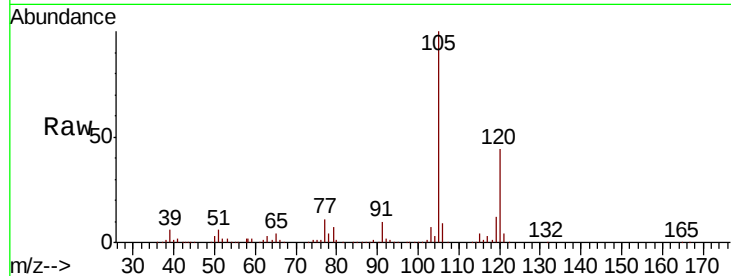
#84
 1,2,4-Trimethylbenzene
 Concen: 54.492 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX013005.D
 Acq: 10 Oct 2019 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0555MSD

Tot Ion:105 Resp: 382807
 Ion Ratio Lower Upper
 105 100
 120 43.7 21.8 65.3

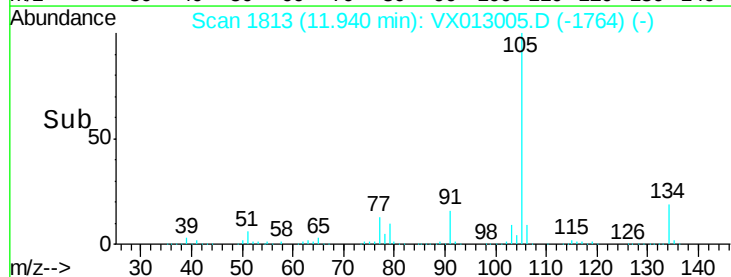
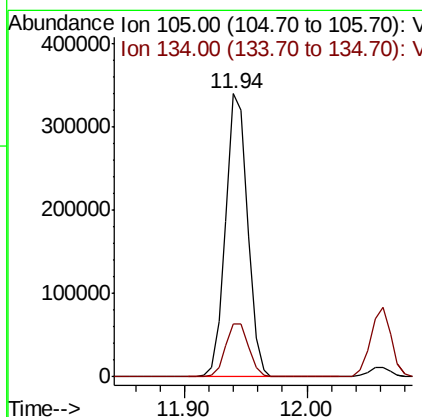
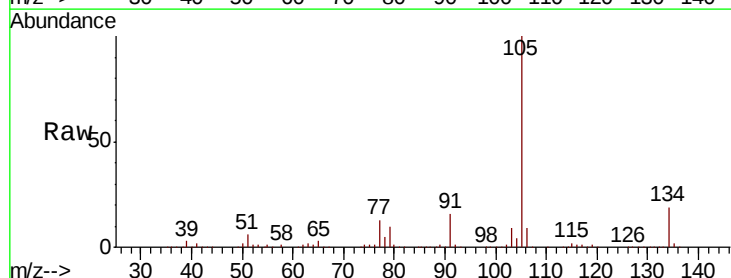
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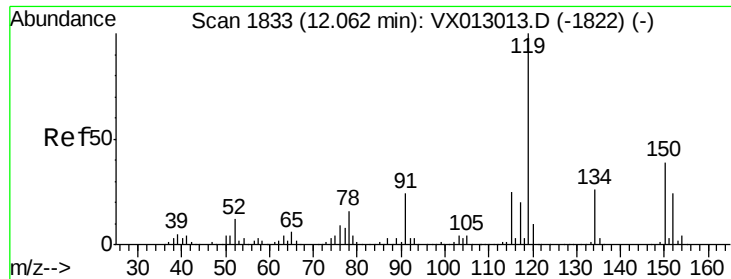
MMDadoda
 10/14/2019 1:05:38 PM



#85
 sec-Butylbenzene
 Concen: 53.695 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013005.D
 Acq: 10 Oct 2019 18:50

Tgt Ion:105 Resp: 420922
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.0 30.0





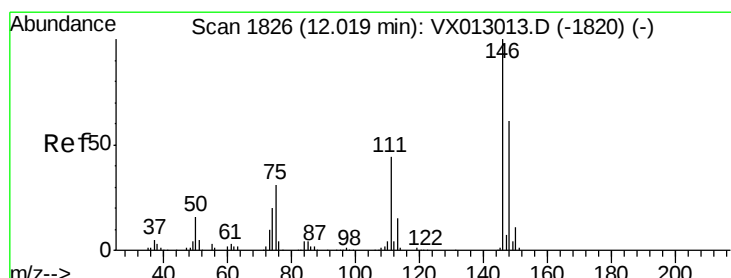
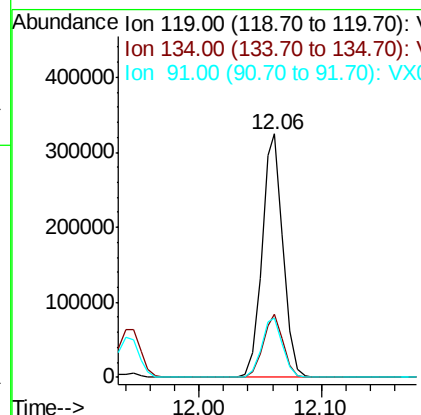
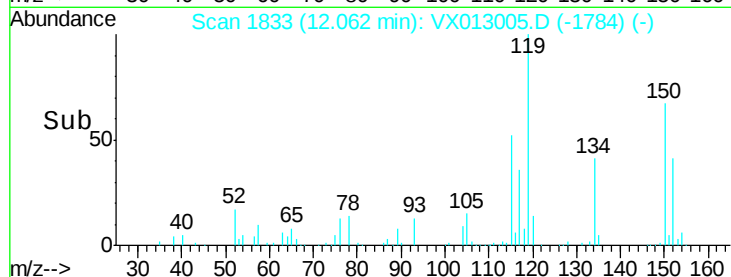
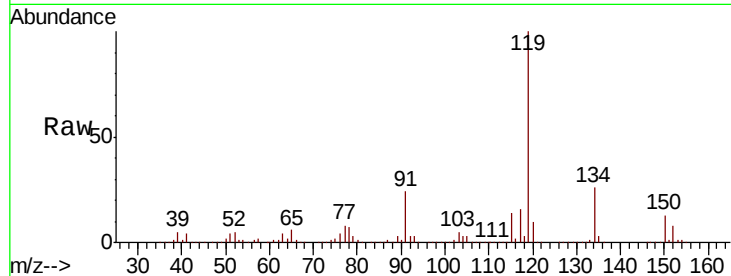
#86
 p-Isopropyltoluene
 Concen: 53.168 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX013005.D
 Acq: 10 Oct 2019 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0555MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100			
134	25.2	12.6	37.8	
91	24.7	12.4	37.4	

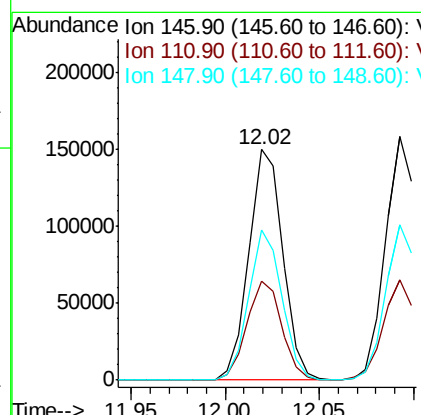
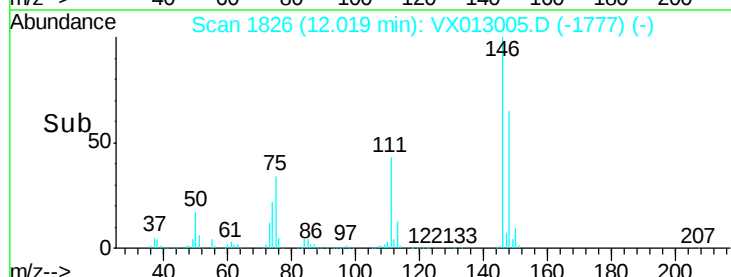
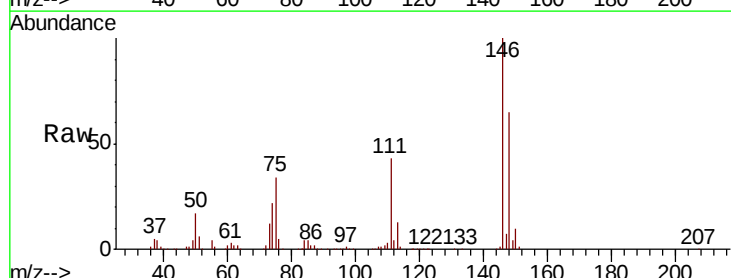
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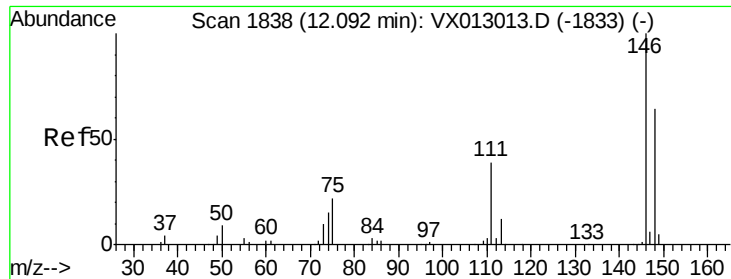
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#87
 1,3-Dichlorobenzene
 Concen: 51.768 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013005.D
 Acq: 10 Oct 2019 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	43.7	21.1	63.4	
148	63.7	31.6	95.0	





#88

1,4-Dichlorobenzene

Concen: 51.179 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VX013005.D

Acq: 10 Oct 2019 18:50

Instrument :

MSVOA_X

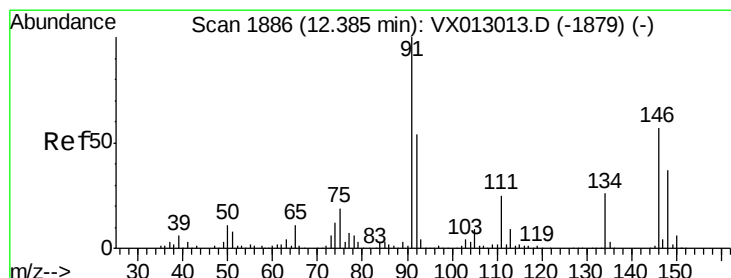
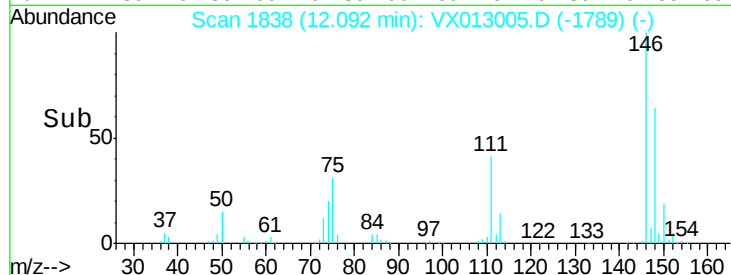
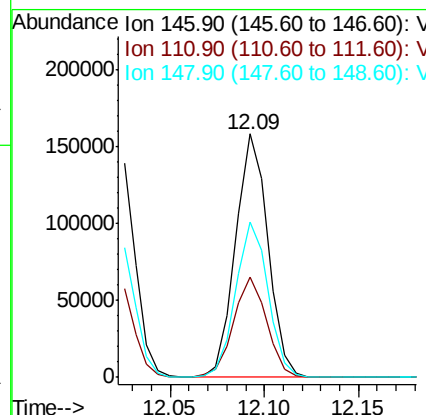
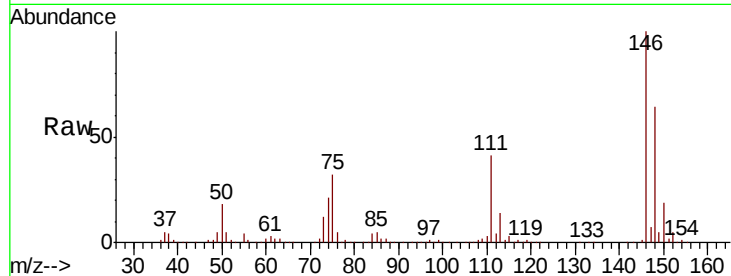
ClientSampleId :

S49-0555MSD

Tot Ion:	146	Resp:	188418
Ion Ratio	Lower	Upper	
146	100		
111	42.2	21.4	64.3
148	64.0	32.1	96.5

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#89

n-Butylbenzene

Concen: 52.536 ug/l

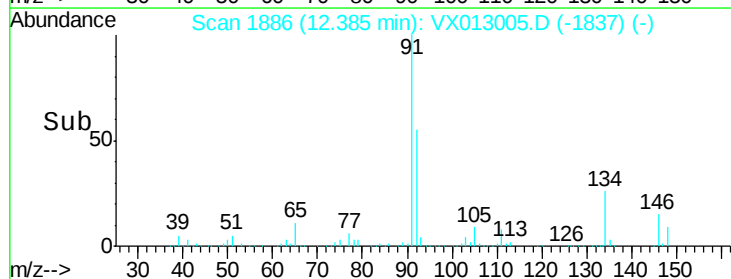
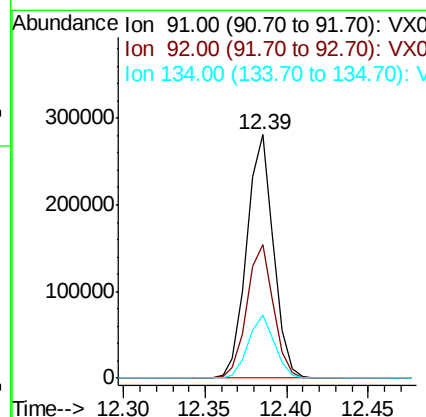
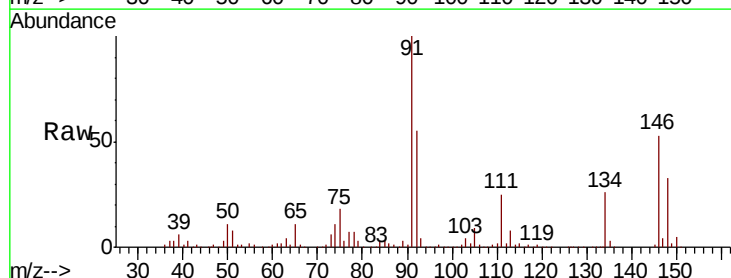
RT: 12.39 min Scan# 1886

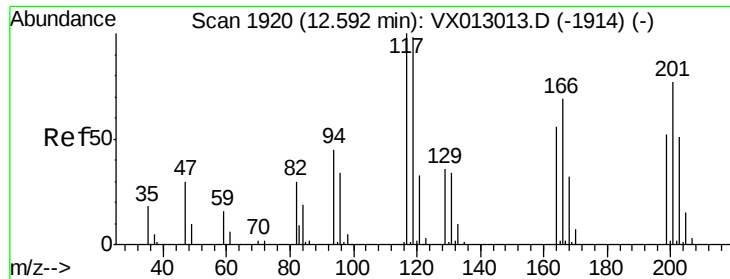
Delta R.T. -0.00 min

Lab File: VX013005.D

Acq: 10 Oct 2019 18:50

Tgt Ion:	91	Resp:	321019
Ion Ratio	Lower	Upper	
91	100		
92	54.5	27.5	82.5
134	25.6	12.9	38.7





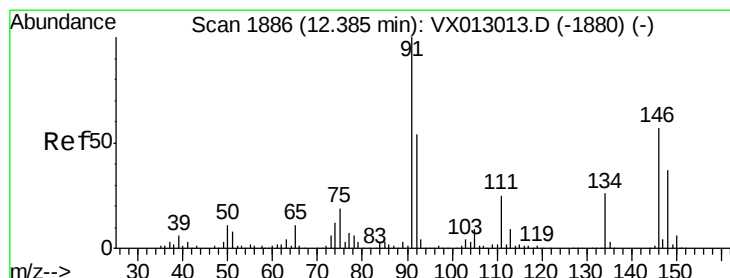
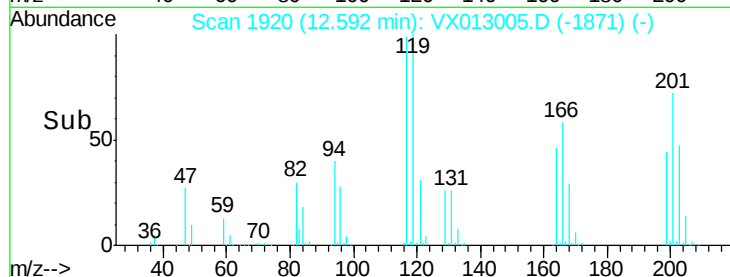
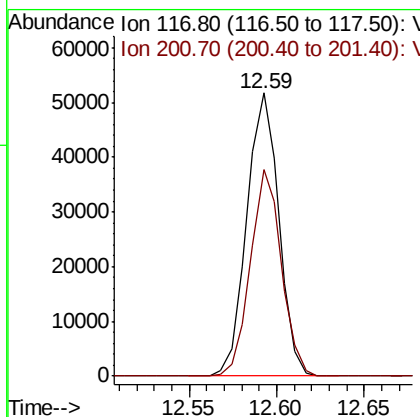
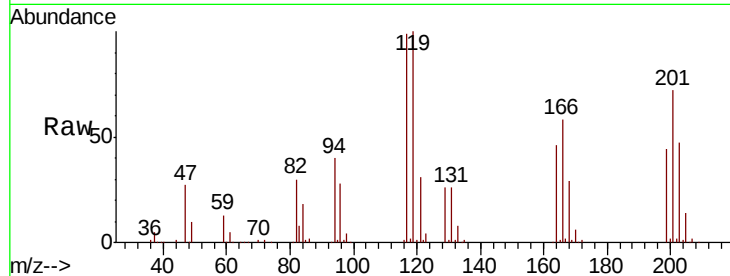
#90
Hexachloroethane
Concen: 49.162 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013005.D
Acq: 10 Oct 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :
S49-0555MSD

Tot Ion:117 Resp: 66150
Ion Ratio Lower Upper
117 100
201 70.7 36.9 110.7

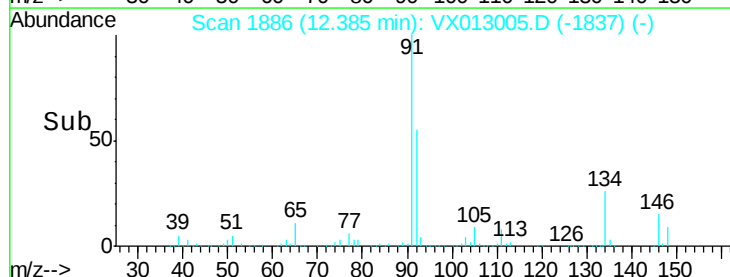
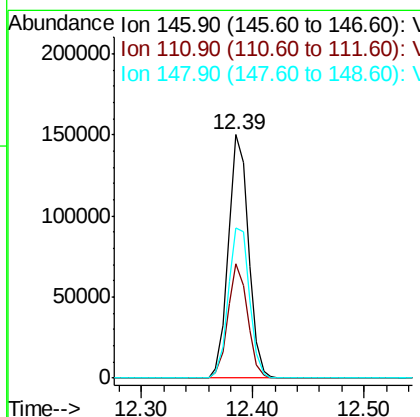
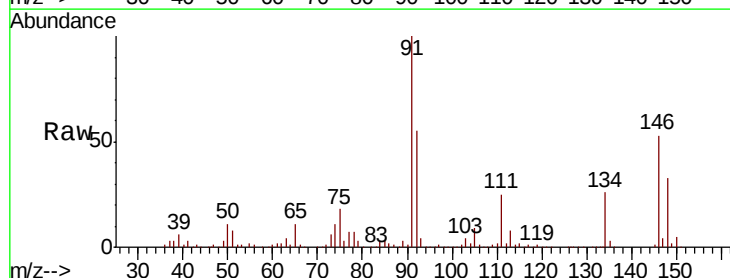
Manual Integrations
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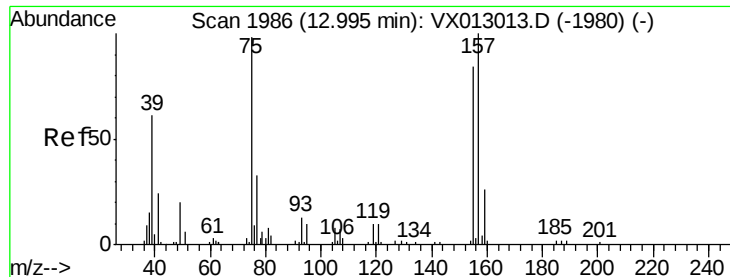
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#91
1,2-Dichlorobenzene
Concen: 52.630 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013005.D
Acq: 10 Oct 2019 18:50

Tgt Ion:146 Resp: 187559
Ion Ratio Lower Upper
146 100
111 45.5 22.7 68.0
148 64.9 31.6 94.7





#92

1,2-Dibromo-3-Chloropropane

Concen: 55.954 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VX013005.D

Acq: 10 Oct 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

S49-0555MSD

Tot Ion: 75 Resp: 36235

Ion Ratio Lower Upper

75 100

155 82.8 43.0 128.8

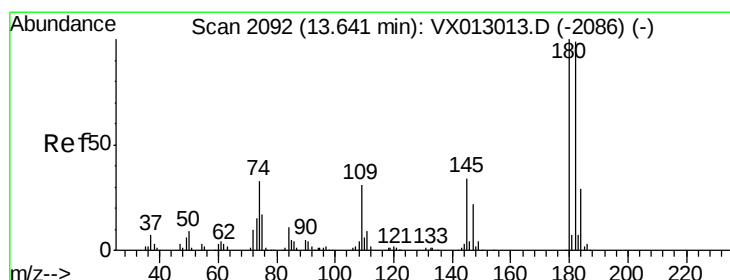
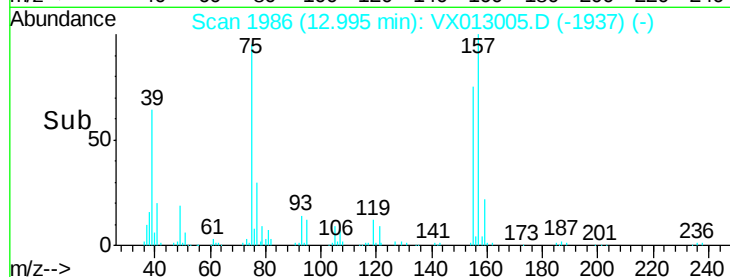
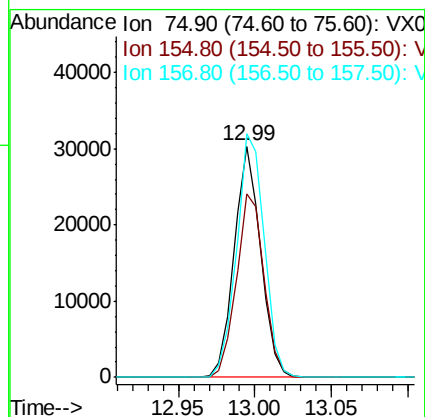
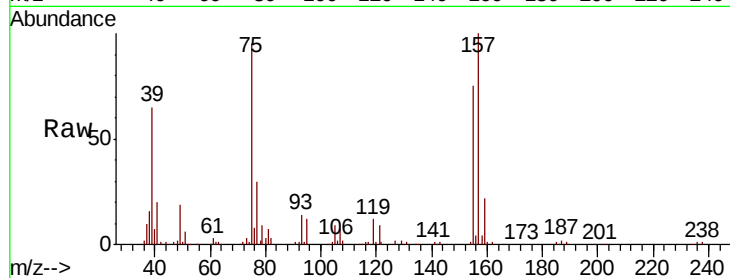
157 110.3 54.1 162.3

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#93

1,2,4-Trichlorobenzene

Concen: 50.643 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. -0.00 min

Lab File: VX013005.D

Acq: 10 Oct 2019 18:50

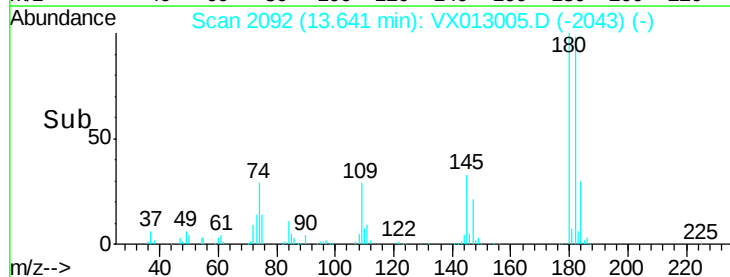
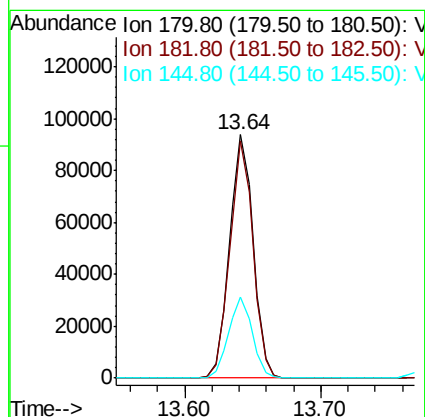
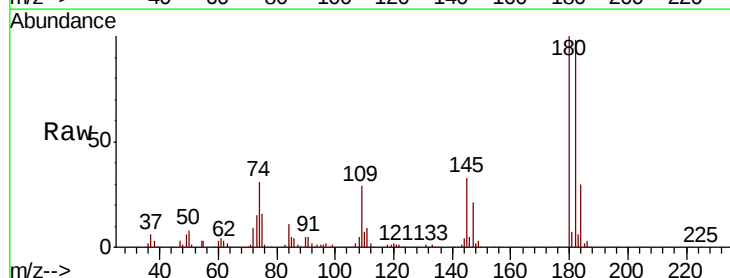
Tgt Ion: 180 Resp: 113056

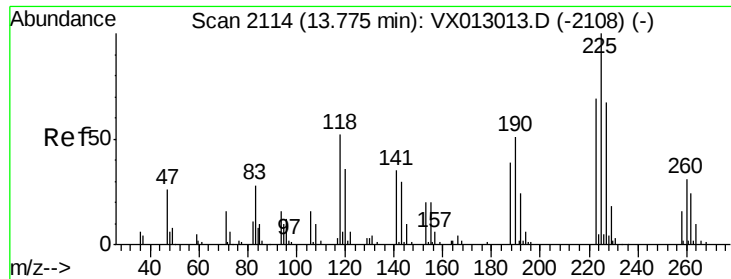
Ion Ratio Lower Upper

180 100

182 95.6 46.8 140.4

145 33.3 16.2 48.6





#94

Hexachlorobutadiene

Concen: 47.560 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. -0.01 min

Lab File: VX013005.D

Acq: 10 Oct 2019 18:50

Instrument :

MSVOA_X

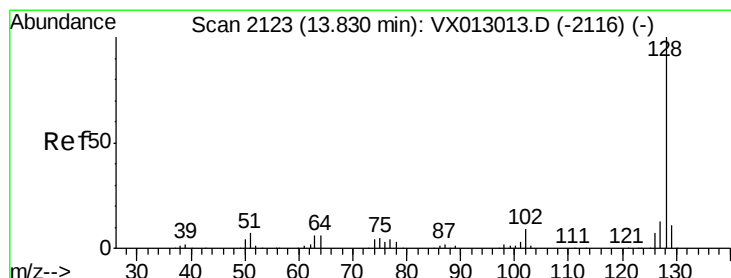
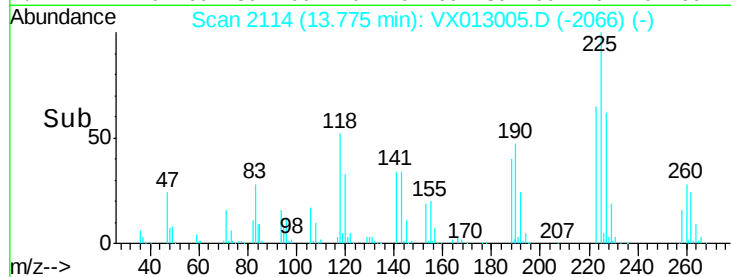
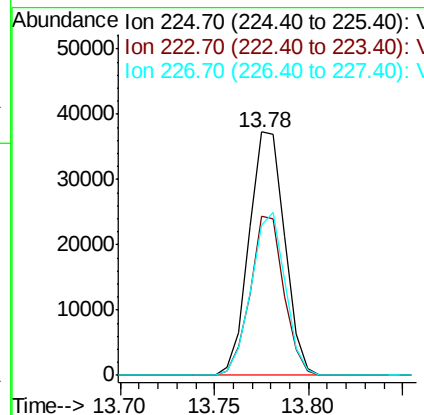
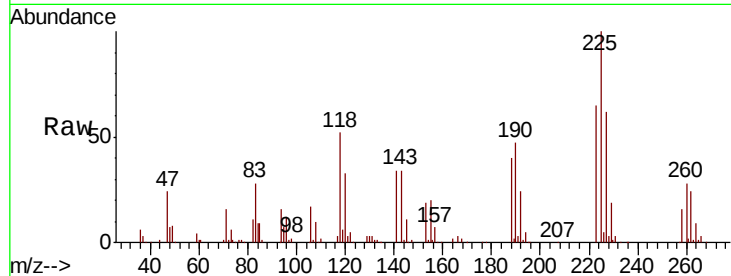
ClientSampleId :

S49-0555MSD

Tot Ion:	225	Resp:	48999
Ion Ratio	Lower	Upper	
225	100		
223	61.7	31.1	93.2
227	63.8	32.3	96.9

Manual Integrations
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10/14/2019 1:05:38 PM



#95

Naphthalene

Concen: 52.971 ug/l

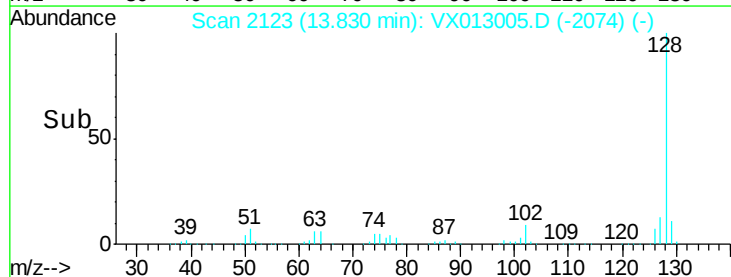
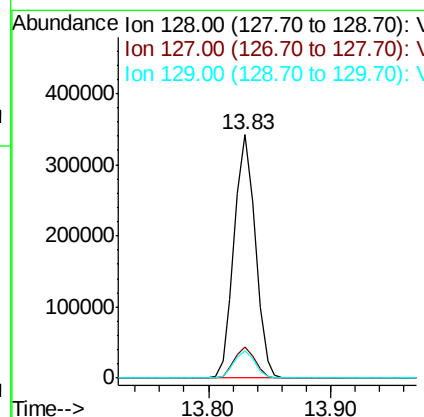
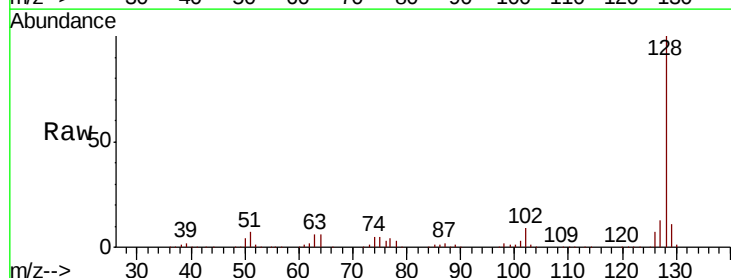
RT: 13.83 min Scan# 2123

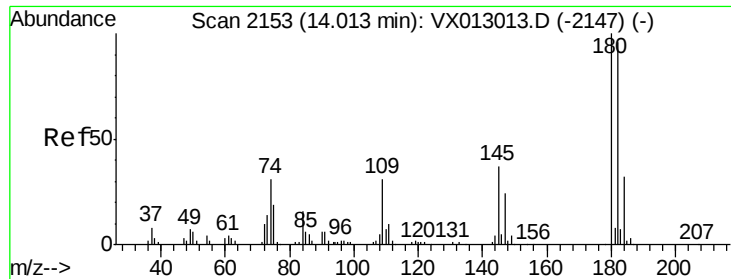
Delta R.T. -0.00 min

Lab File: VX013005.D

Acq: 10 Oct 2019 18:50

Tgt Ion:	128	Resp:	409928
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.4
129	11.1	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 50.764 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VX013005.D
 Acq: 10 Oct 2019 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0555MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.0	47.5	142.5
145	35.5	17.4	52.3

Manual Integrations
 APPROVED

MMDadoda
 10/14/2019 1:05:38 PM

