

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091619\
 Data File : VX012424.D
 Acq On : 16 Sep 2019 22:35
 Operator : JC/SP
 Sample : K4830-13MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MSD

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 12:02:57 PM

Quant Time: Sep 17 05:46:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 04:36:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	116598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	189141	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	179201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	107644	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	121210	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
35) Dibromofluoromethane	5.49	113	88658	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	
50) Toluene-d8	8.71	98	324971	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
62) 4-Bromofluorobenzene	11.14	95	135713	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	56607	50.282	ug/l	99
3) Chloromethane	1.32	50	46654	52.112	ug/l	99
4) Vinyl Chloride	1.40	62	51281	52.448	ug/l	99
5) Bromomethane	1.62	94	16119	38.693	ug/l	96
6) Chloroethane	1.71	64	45186	69.754	ug/l	98
7) Trichlorofluoromethane	1.92	101	96094	53.523	ug/l	99
8) Diethyl Ether	2.18	74	39788	50.877	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	65101	50.350	ug/l	99
10) Methyl Iodide	2.50	142	38401	31.072	ug/l	100
11) Tert butyl alcohol	3.03	59	134608	223.291	ug/l	99
12) 1,1-Dichloroethene	2.36	96	54164	53.231	ug/l	96
13) Acrolein	2.28	56	56121	216.047	ug/l	99
14) Allyl chloride	2.72	41	126485	53.904	ug/l	99
15) Acrylonitrile	3.13	53	259409	260.170	ug/l	99
16) Acetone	2.44	43	243203	226.644	ug/l	98
17) Carbon Disulfide	2.56	76	75825	50.063	ug/l	100
18) Methyl Acetate	2.76	43	116231	48.645	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	291862	53.074	ug/l #	85
20) Methylene Chloride	2.84	84	71712	48.983	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	56269	51.439	ug/l	94
22) Diisopropyl ether	3.85	45	292796	54.344	ug/l	92
23) Vinyl Acetate	3.80	43	1195416	268.796	ug/l	98
24) 1,1-Dichloroethane	3.69	63	141105	52.340	ug/l	99
25) 2-Butanone	4.66	43	384105	251.252	ug/l	98
26) 2,2-Dichloropropane	4.58	77	115993	45.106	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	82104	51.214	ug/l	98
28) Bromochloromethane	5.00	49	74770	54.157	ug/l	95
29) Tetrahydrofuran	5.11	42	233680	263.546	ug/l	98
30) Chloroform	5.20	83	154438	49.574	ug/l	97
31) Cyclohexane	5.57	56	170095	103.628	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	134627	52.024	ug/l	99
36) 1,1-Dichloropropene	5.79	75	86905	49.722	ug/l	99
37) Ethyl Acetate	4.82	43	134580	50.009	ug/l	99
38) Carbon Tetrachloride	5.78	117	109571	51.369	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	253710	151.120	ug/l	96
40) Benzene	6.14	78	280734	52.125	ug/l	99
41) Methacrylonitrile	5.03	41	84966	55.299	ug/l	98
42) 1,2-Dichloroethane	6.19	62	128278	52.312	ug/l	99
43) Isopropyl Acetate	6.44	43	239600	51.892	ug/l	99
44) Trichloroethene	7.21	130	71384	49.349	ug/l	100
45) 1,2-Dichloropropane	7.51	63	85210	51.769	ug/l	94
46) Dibromomethane	7.65	93	55399	50.452	ug/l	95
47) Bromodichloromethane	7.89	83	127398	51.969	ug/l	100
48) Methyl methacrylate	7.76	41	123292	53.725	ug/l	97
49) 1,4-Dioxane	7.73	88	43893	833.175	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	793072	265.079	ug/l	98
52) Toluene	8.78	92	183970	52.475	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	131170	51.596	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	134687	51.253	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	88026	47.784	ug/l	97
56) Ethyl methacrylate	9.17	69	160601	57.946	ug/l	89
57) 1,3-Dichloropropane	9.37	76	147785	50.504	ug/l	100
59) 2-Hexanone	9.49	43	589144	255.426	ug/l	100
60) Dibromochloromethane	9.58	129	97874	46.401	ug/l	99
61) 1,2-Dibromoethane	9.67	107	85396	50.394	ug/l	98
64) Tetrachloroethene	9.33	164	54607	45.954	ug/l	97
65) Chlorobenzene	10.14	112	214174	51.189	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	91861	51.749	ug/l	98
67) Ethyl Benzene	10.25	91	403624	56.527	ug/l	100
68) m/p-Xylenes	10.36	106	305592	115.945	ug/l	99
69) o-Xylene	10.70	106	145731	53.319	ug/l	97
70) Styrene	10.71	104	253904	53.539	ug/l	99
71) Bromoform	10.85	173	68738	44.523	ug/l #	100
73) Isopropylbenzene	11.01	105	973996	130.239	ug/l	99
74) N-amyl acetate	10.89	43	219637	55.404	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	155094	51.718	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	144184m	51.815	ug/l	
77) Bromobenzene	11.25	156	96794	50.267	ug/l	97
78) n-propylbenzene	11.35	91	1091563	129.150	ug/l	100
79) 2-Chlorotoluene	11.42	91	291115	53.654	ug/l	97
80) 1,3,5-Trimethylbenzene	11.50	105	340915	52.350	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	47582	48.271	ug/l	97
82) 4-Chlorotoluene	11.51	91	327936	51.829	ug/l	99
83) tert-Butylbenzene	11.77	119	380206	55.043	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	1853682	280.527	ug/l	99
85) sec-Butylbenzene	11.94	105	517367	67.748	ug/l	97
86) p-Isopropyltoluene	12.06	119	406852	58.151	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	176690	49.017	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	179523	49.242	ug/l	98
89) n-Butylbenzene	12.39	91	382978	61.985	ug/l	95
90) Hexachloroethane	12.59	117	87339	64.572	ug/l	81
91) 1,2-Dichlorobenzene	12.39	146	184430	49.982	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	45495	57.433	ug/l	89
93) 1,2,4-Trichlorobenzene	13.64	180	127481	51.633	ug/l	93

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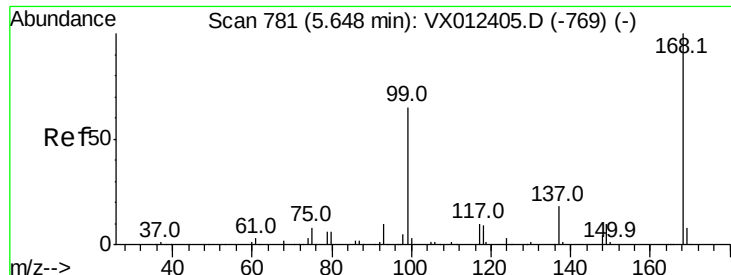
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Quant Title : SW846 8260
QLast Update : Tue Sep 17 04:36:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	57389	48.269	ug/l	96
95) Naphthalene	13.83	128	815198	89.155	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	128737	52.278	ug/l	96

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



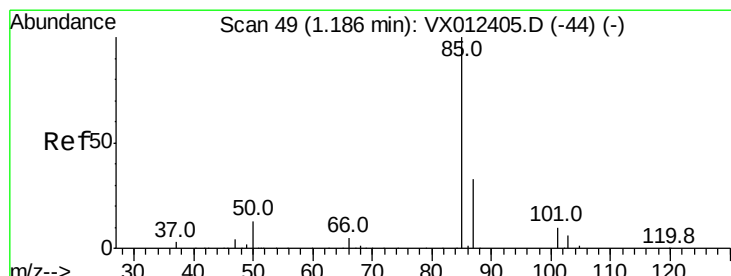
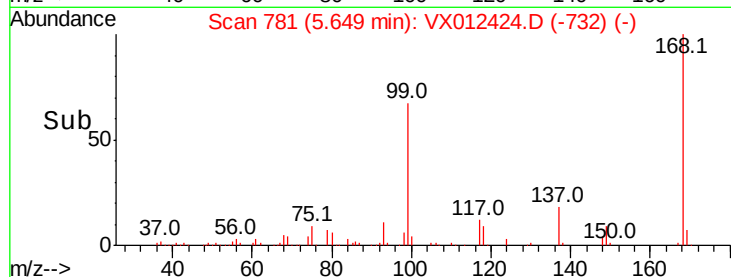
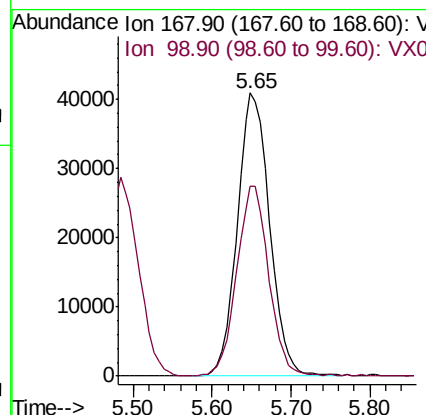
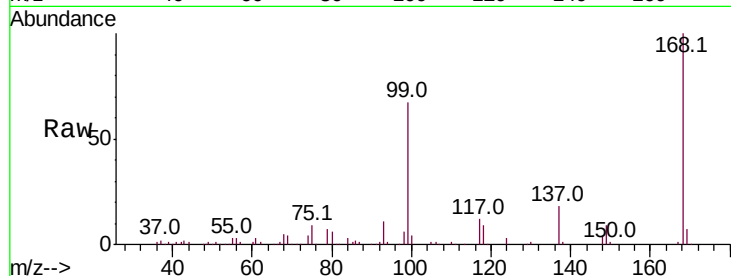
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.00 min
Lab File: VX012424.D
Acq: 16 Sep 2019 22:35

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

Tot Ion	Ratio	Lower	Upper
168	100		
99	67.0	51.8	77.6

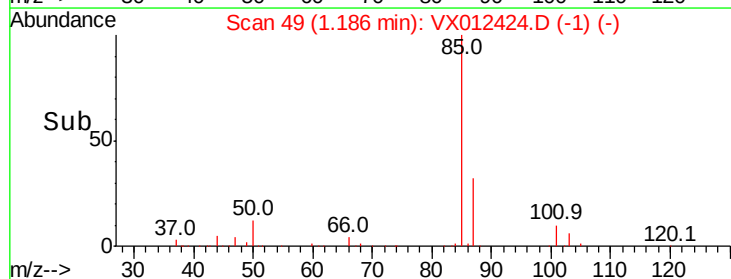
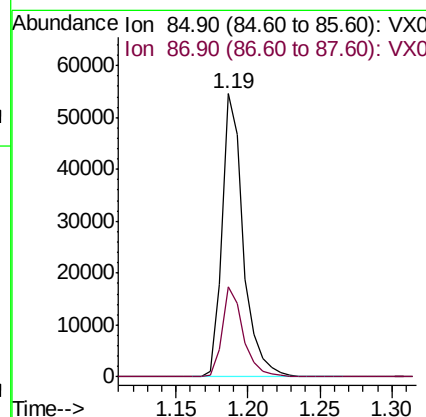
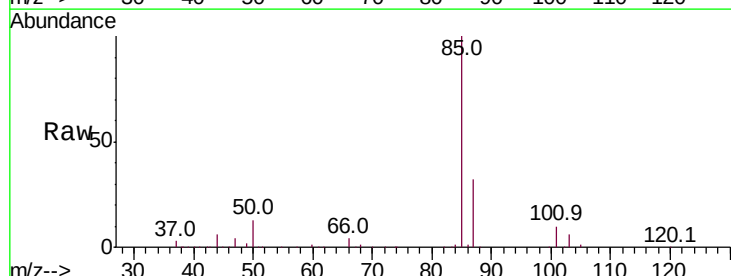
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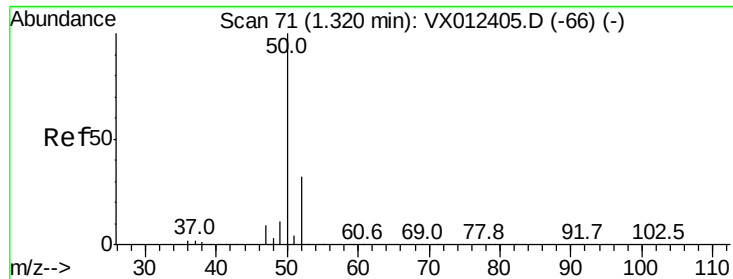
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#2
Dichlorodifluoromethane
Concen: 50.282 ug/l
RT: 1.19 min Scan# 49
Delta R.T. 0.00 min
Lab File: VX012424.D
Acq: 16 Sep 2019 22:35

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.4	49.2





#3

Chloromethane

Concen: 52.112 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

Tot Ion: 50 Resp: 46654

Ion Ratio Lower Upper

50 100

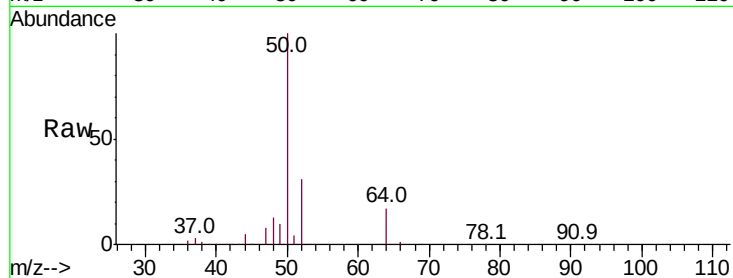
52 31.3 25.4 38.2

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

50000

40000

30000

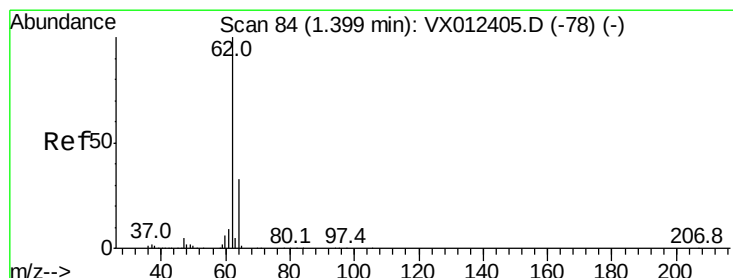
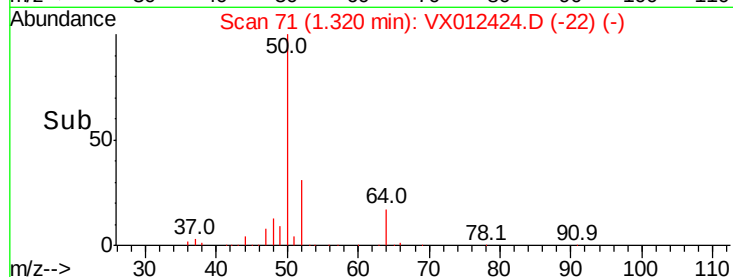
20000

10000

0

Time-->

1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 52.448 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012424.D

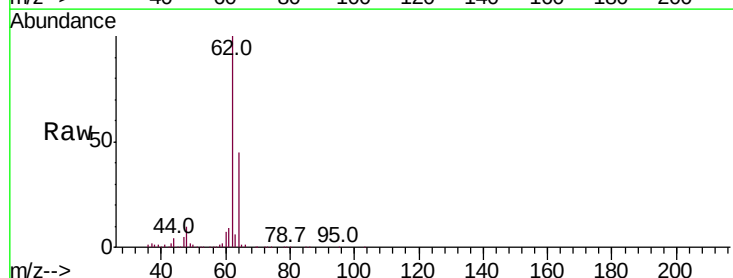
Acq: 16 Sep 2019 22:35

Tgt Ion: 62 Resp: 51281

Ion Ratio Lower Upper

62 100

64 33.3 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

50000

40000

30000

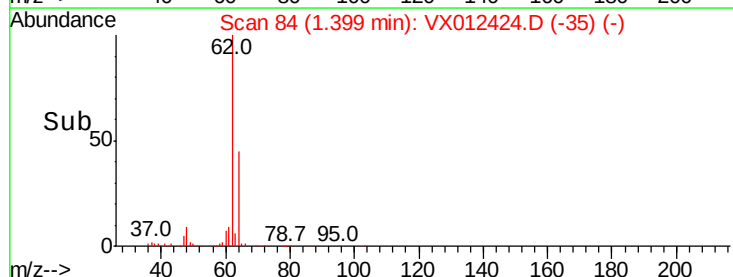
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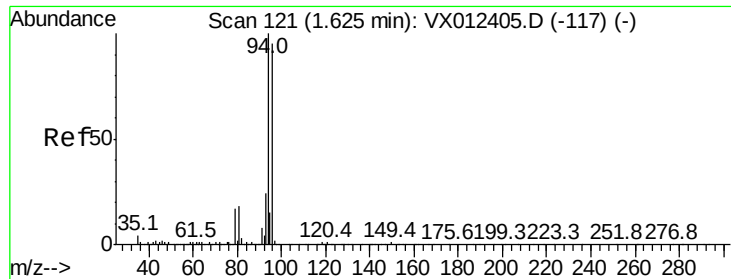
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0

Time-->

1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 38.693 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

Tot Ion: 94 Resp: 16119

Ion Ratio Lower Upper

94 100

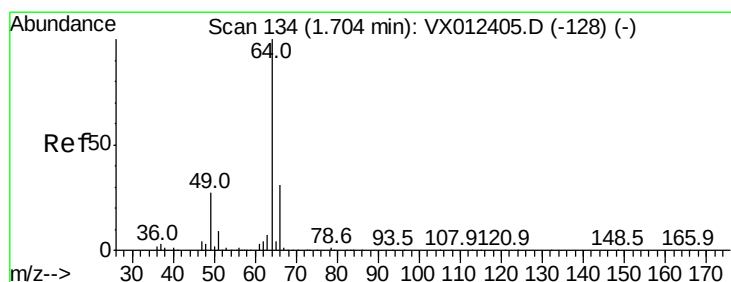
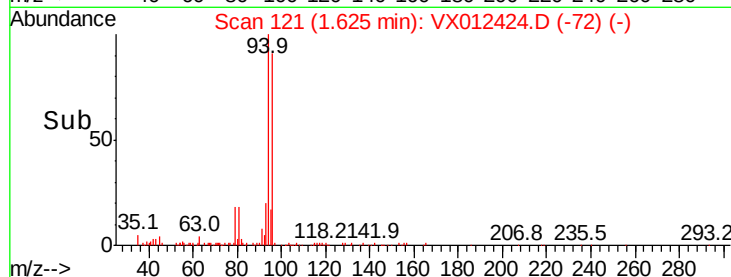
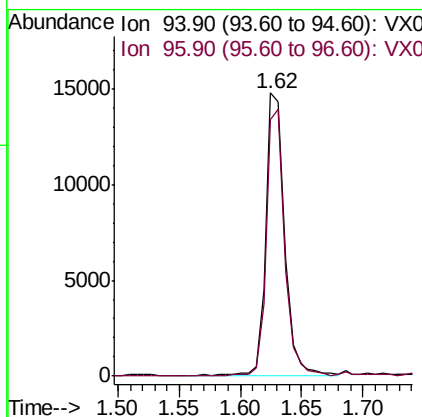
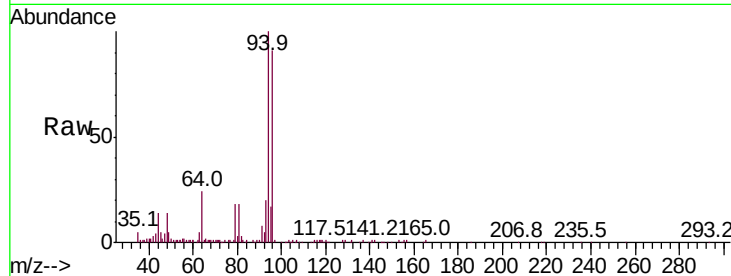
96 90.7 75.7 113.5

Manual Integrations

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#6

Chloroethane

Concen: 69.754 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX012424.D

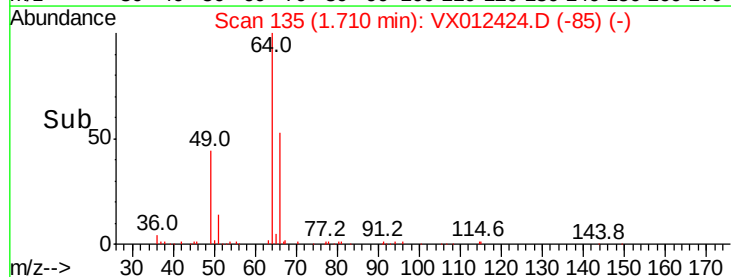
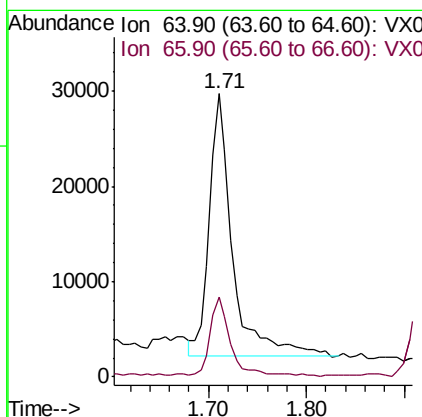
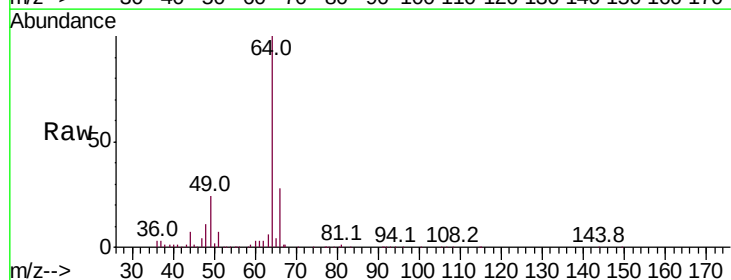
Acq: 16 Sep 2019 22:35

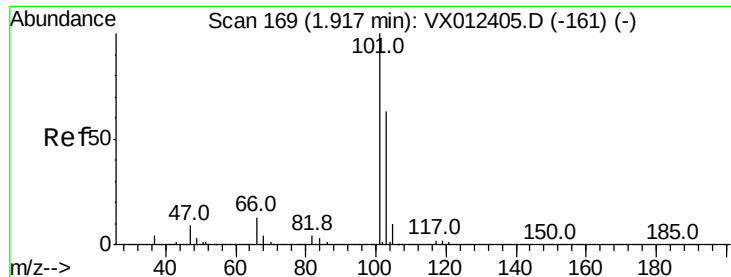
Tgt Ion: 64 Resp: 45186

Ion Ratio Lower Upper

64 100

66 29.7 24.7 37.1





#7

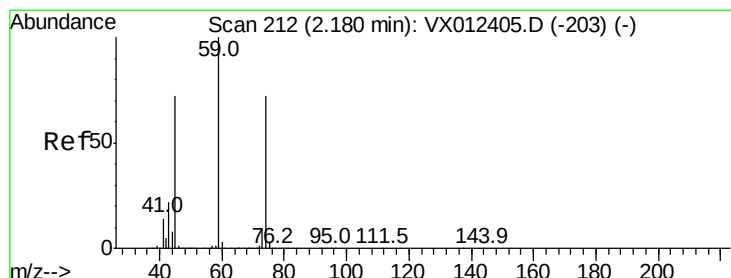
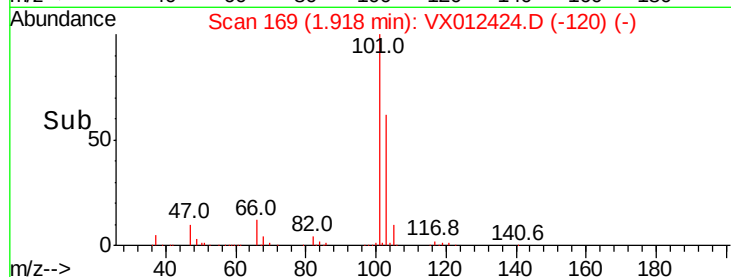
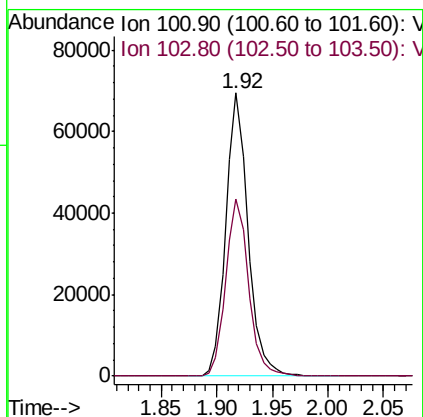
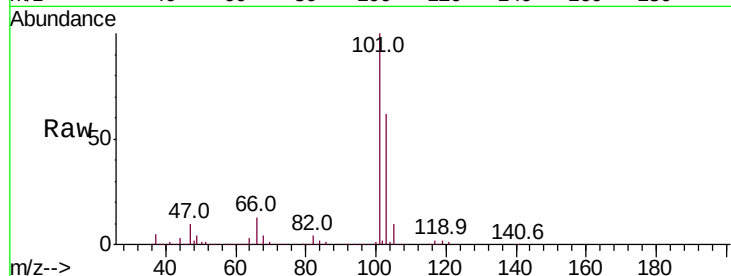
Trichlorofluoromethane
Concen: 53.523 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012424.D
Acq: 16 Sep 2019 22:35

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		96094		
103	62.4	50.5	75.7		

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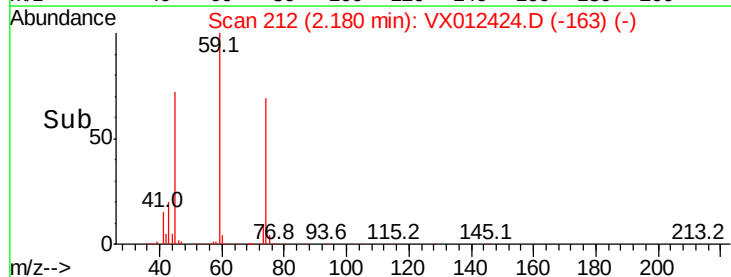
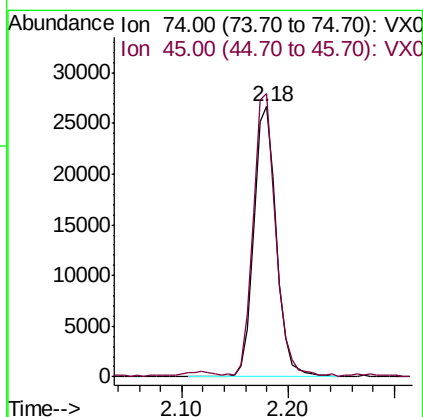
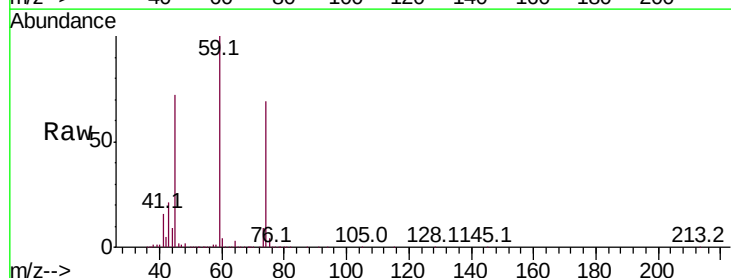
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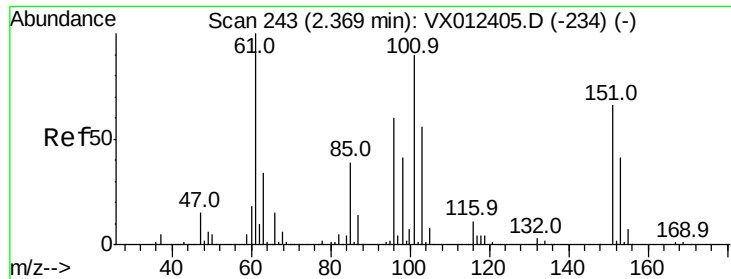


#8

Diethyl Ether
Concen: 50.877 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX012424.D
Acq: 16 Sep 2019 22:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		39788		
45	104.4	50.6	151.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.350 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA_X

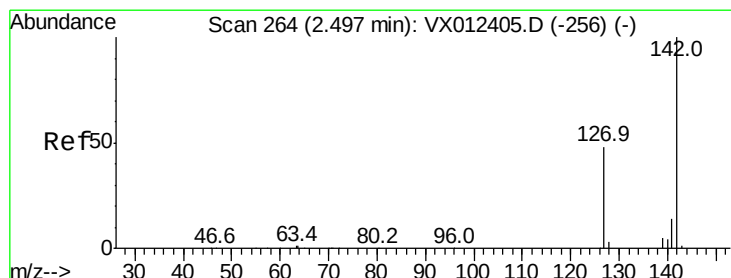
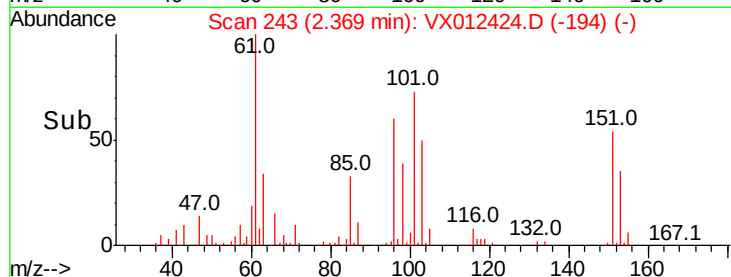
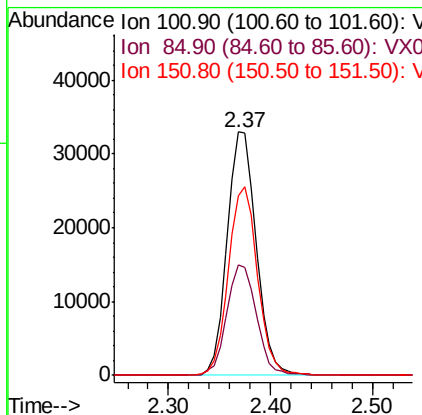
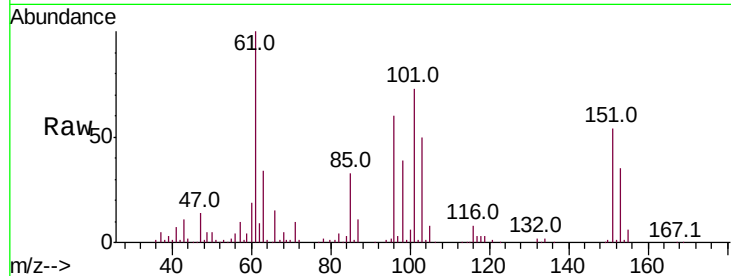
ClientSampleId :

S13-0282MSD

Tot Ion:	101	Resp:	65101
Ion Ratio	Lower	Upper	
101	100		
85	46.1	36.3	54.5
151	77.3	61.1	91.7

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#10

Methyl Iodide

Concen: 31.072 ug/l

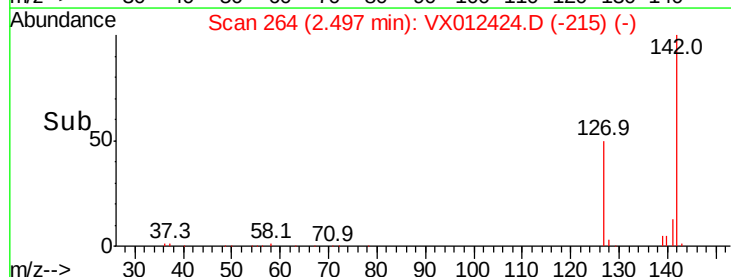
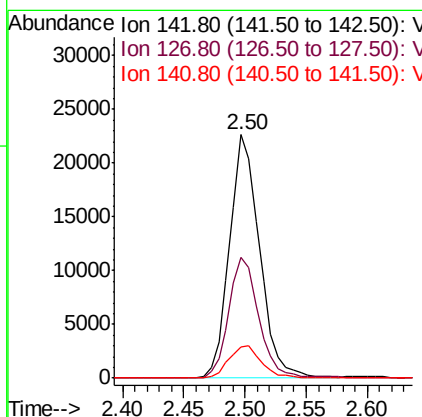
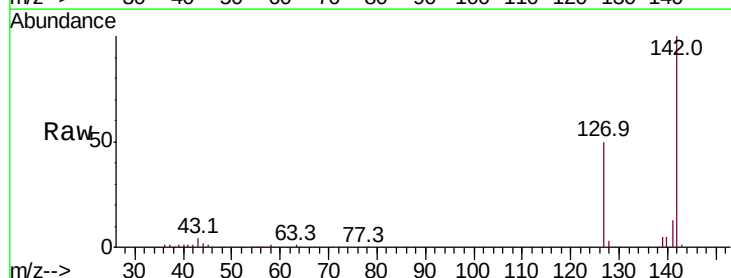
RT: 2.50 min Scan# 264

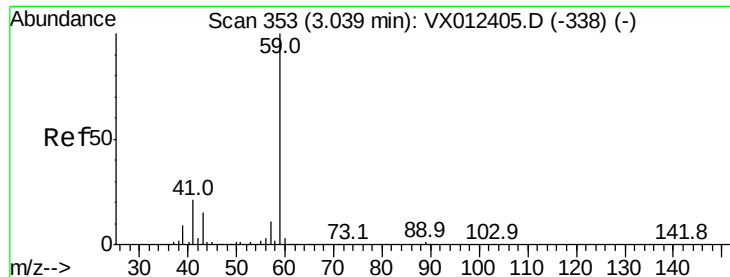
Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Tgt Ion:	142	Resp:	38401
Ion Ratio	Lower	Upper	
142	100		
127	49.6	39.6	59.4
141	14.3	11.6	17.4





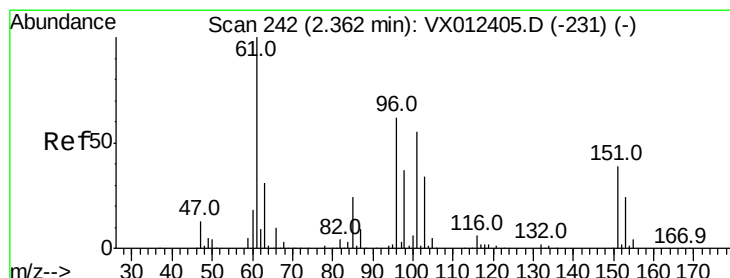
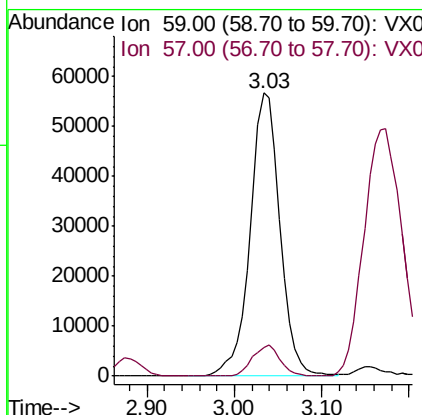
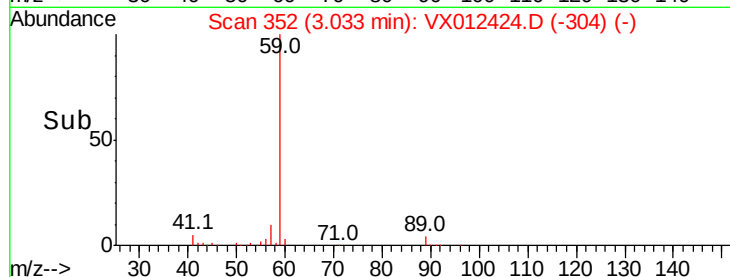
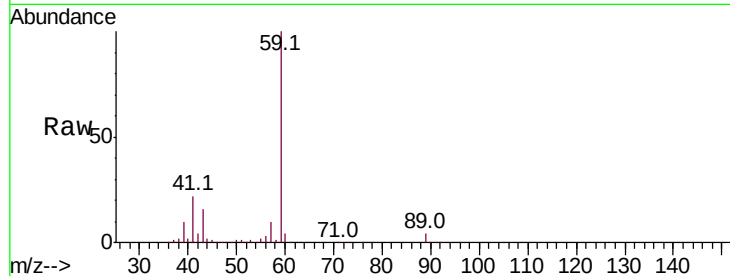
#11
Tert butyl alcohol
Concen: 223.291 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX012424.D
Acq: 16 Sep 2019 22:35

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

Tot Ion: 59 Resp: 134608
Ion Ratio Lower Upper
59 100
57 10.3 8.6 12.8

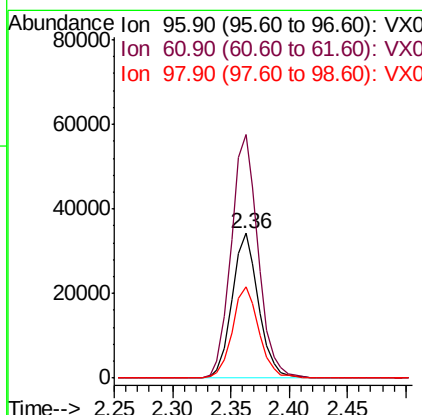
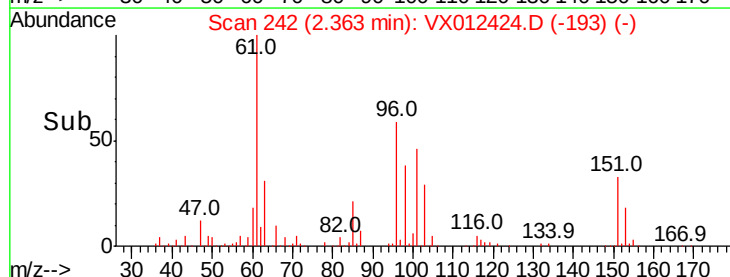
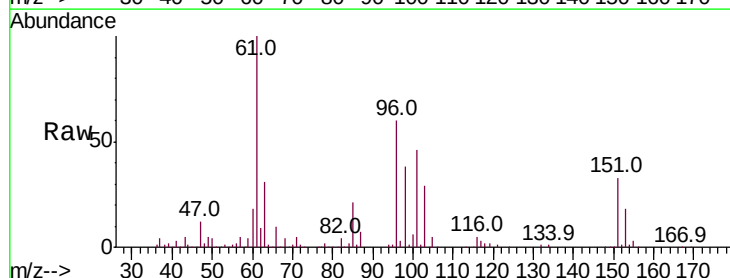
Manual Integrations
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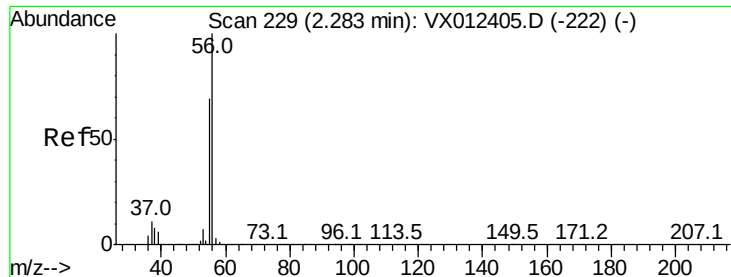
MMDadoda
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#12
1,1-Dichloroethene
Concen: 53.231 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012424.D
Acq: 16 Sep 2019 22:35

Tgt Ion: 96 Resp: 54164
Ion Ratio Lower Upper
96 100
61 168.0 129.8 194.6
98 63.1 48.5 72.7





#13

Acrolein

Concen: 216.047 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

Tot Ion: 56 Resp: 56121

Ion Ratio Lower Upper

56 100

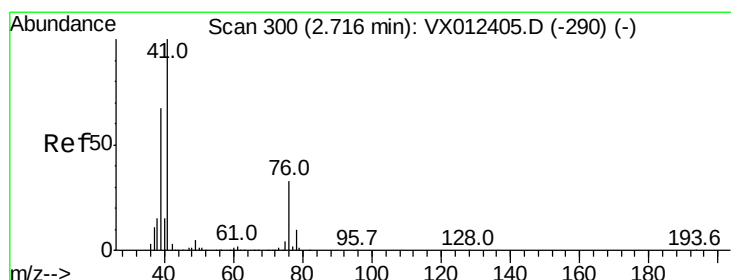
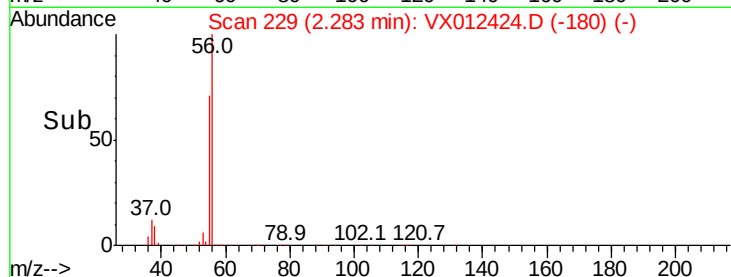
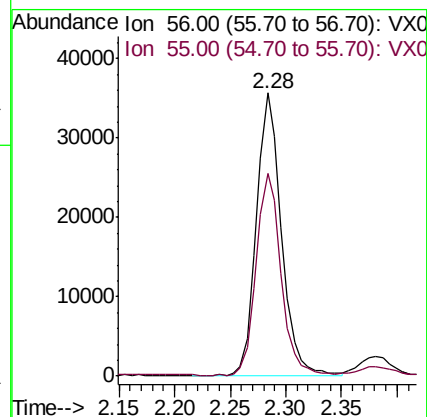
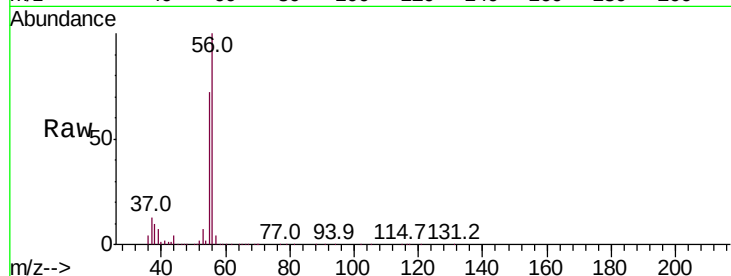
55 71.0 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 53.904 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

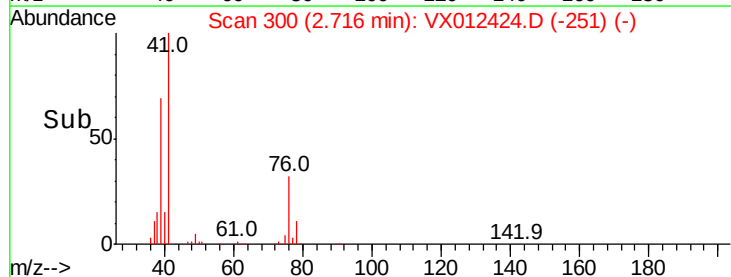
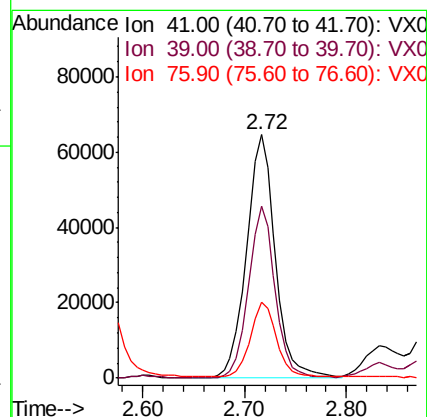
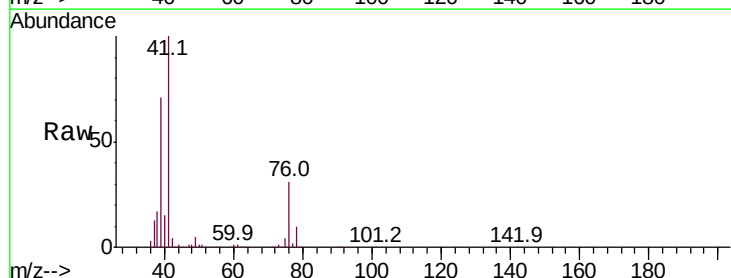
Tgt Ion: 41 Resp: 126485

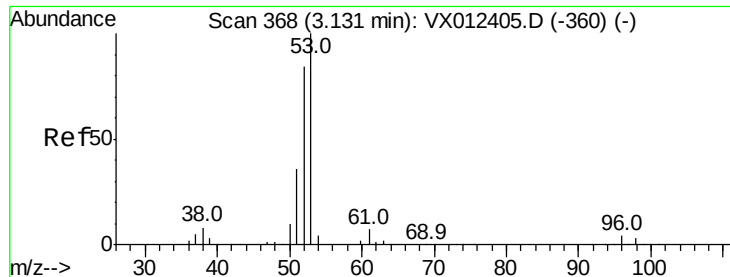
Ion Ratio Lower Upper

41 100

39 65.1 51.1 76.7

76 28.7 23.4 35.2





#15

Acrylonitrile

Concen: 260.170 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA_X

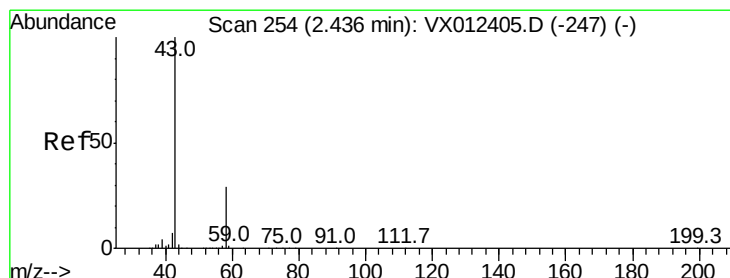
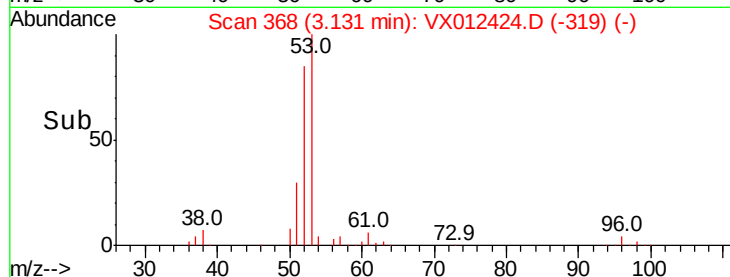
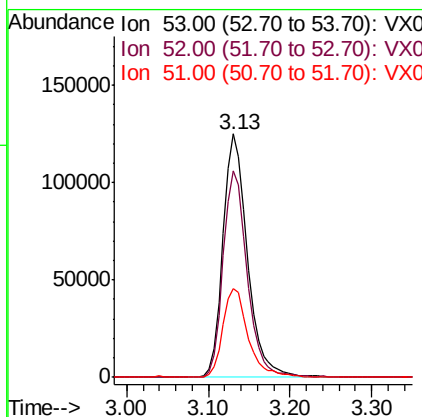
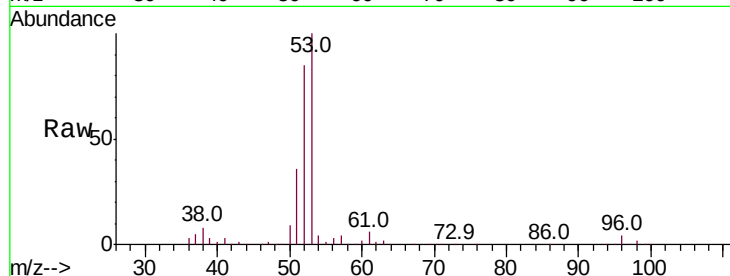
ClientSampleId :

S13-0282MSD

Tot Ion:	53	Resp:	259409
Ion Ratio	Lower	Upper	
53	100		
52	83.4	67.4	101.2
51	37.5	29.8	44.6

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#16

Acetone

Concen: 226.644 ug/l

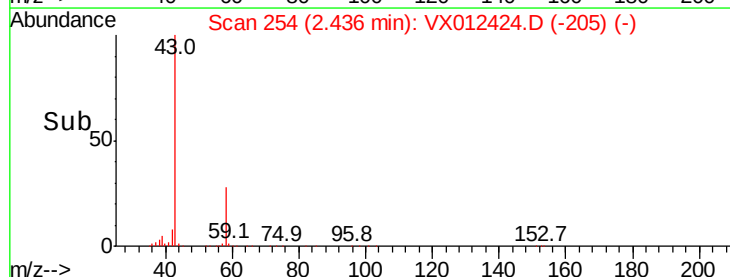
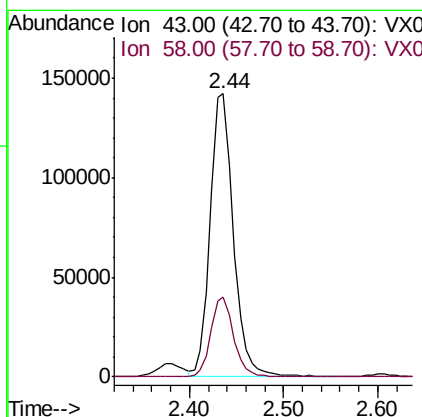
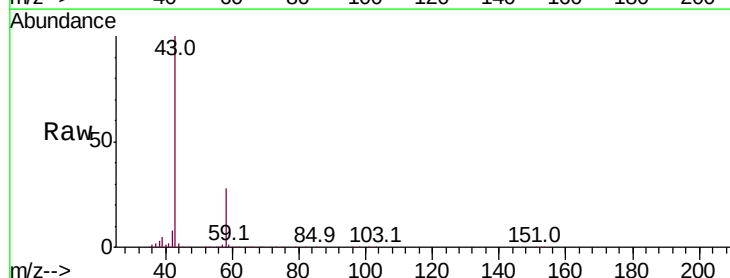
RT: 2.44 min Scan# 254

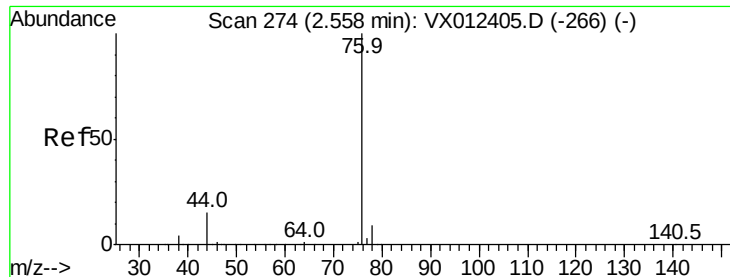
Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Tgt Ion:	43	Resp:	243203
Ion Ratio	Lower	Upper	
43	100		
58	28.4	23.5	35.3





#17

Carbon Disulfide

Concen: 50.063 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

Tot Ion: 76 Resp: 75825

Ion Ratio Lower Upper

76 100

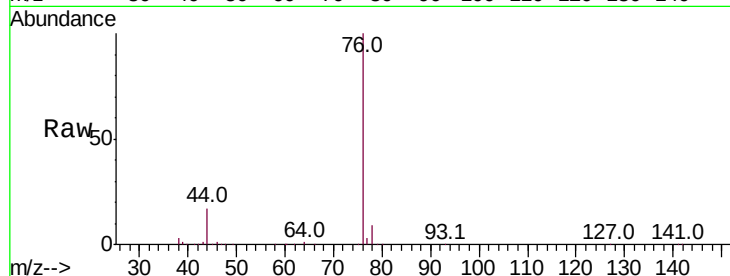
78 8.7 7.1 10.7

Manual Integrations

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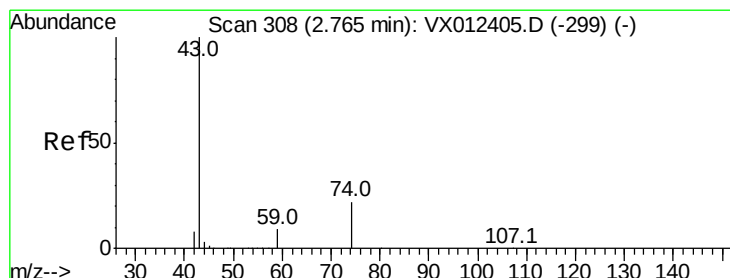
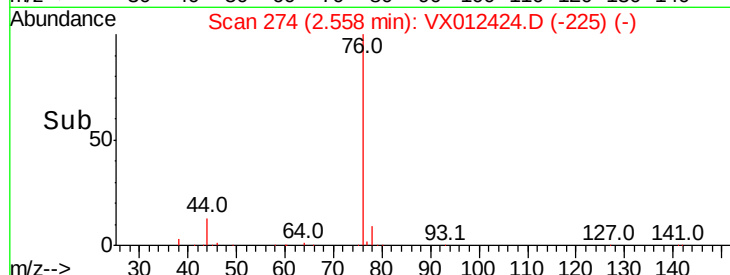
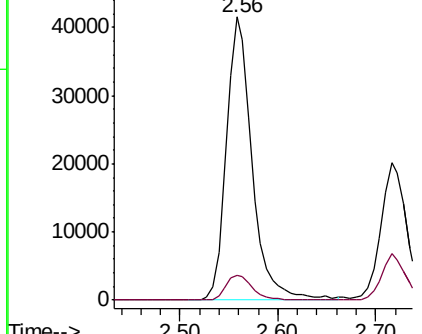
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 48.645 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX012424.D

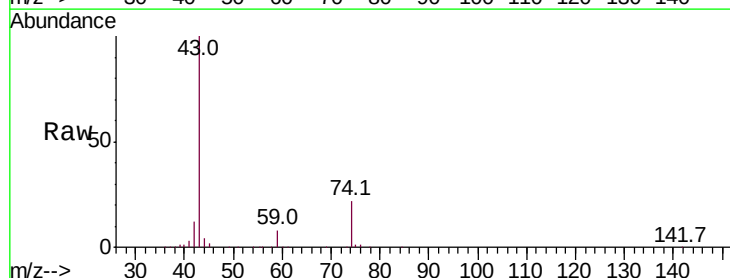
Acq: 16 Sep 2019 22:35

Tgt Ion: 43 Resp: 116231

Ion Ratio Lower Upper

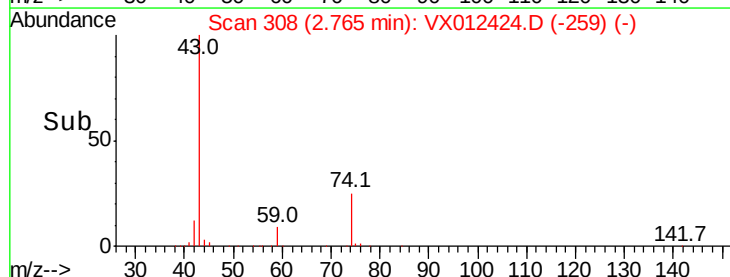
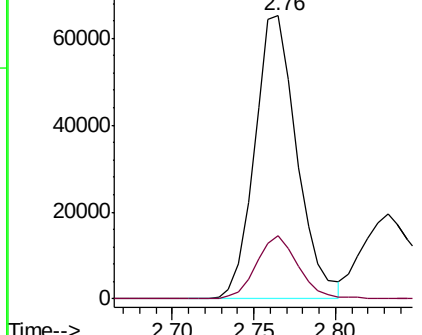
43 100

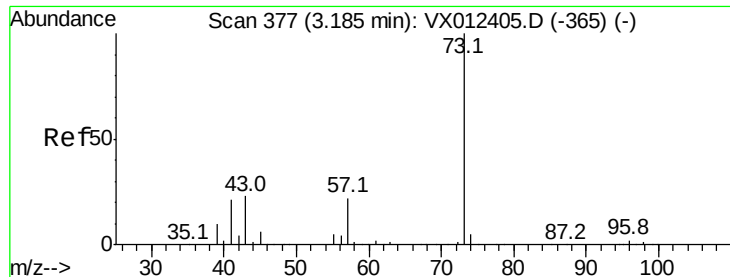
74 22.4 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





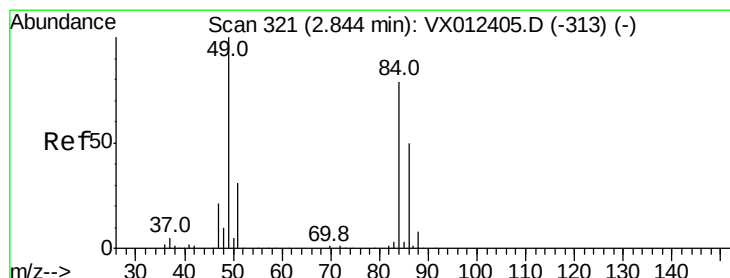
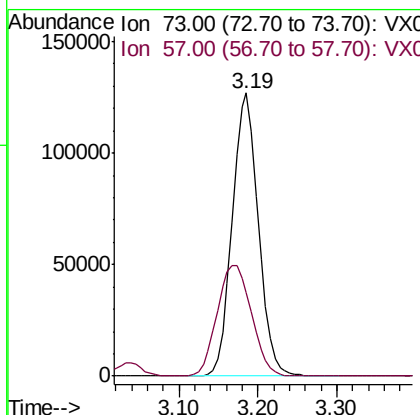
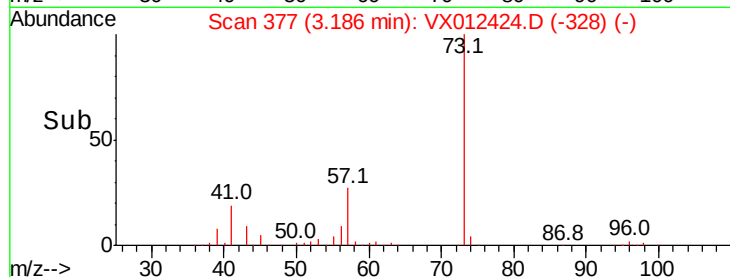
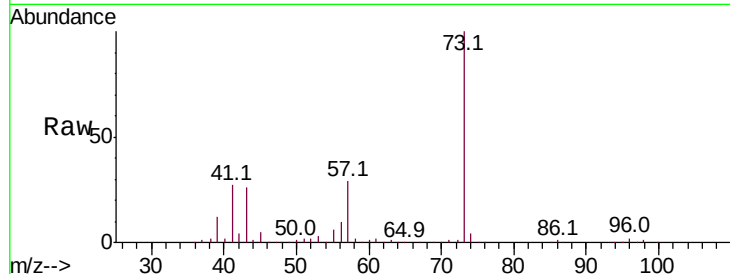
#19
Methyl tert-butyl Ether
Concen: 53.074 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012424.D
Acq: 16 Sep 2019 22:35

Instrument :
MSVOA_X
ClientSampled :
S13-0282MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	29.3	17.8	26.6#

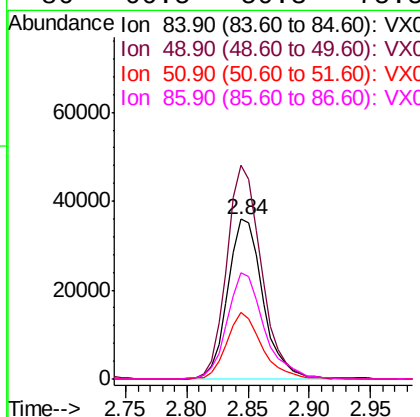
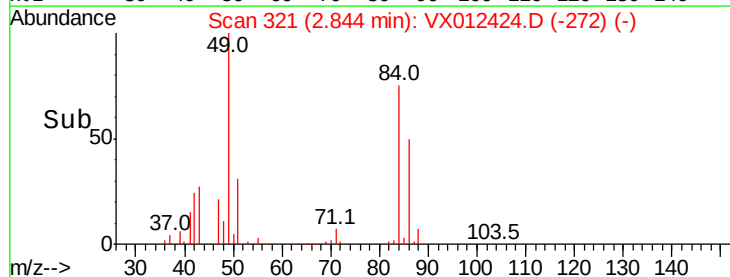
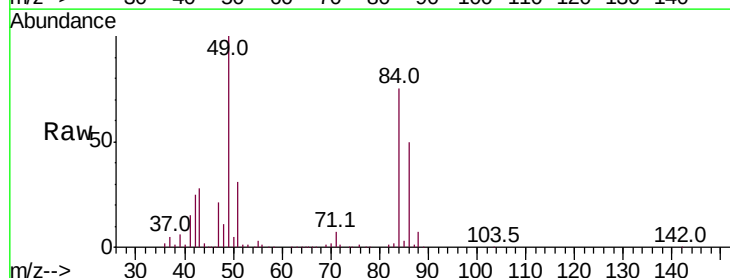
Manual Integrations
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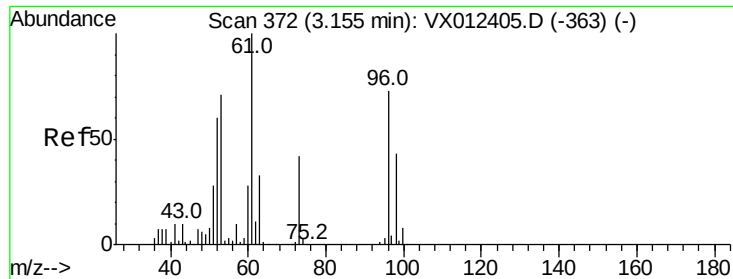
MMDadoda
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#20
Methylene Chloride
Concen: 48.983 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012424.D
Acq: 16 Sep 2019 22:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.3	101.7	152.5
51	41.5	31.2	46.8
86	66.5	50.3	75.5





#21

trans-1,2-Dichloroethene

Concen: 51.439 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampled :

S13-0282MSD

Tot Ion: 96 Resp: 56269

Ion Ratio Lower Upper

96 100

61 143.1 109.7 164.5

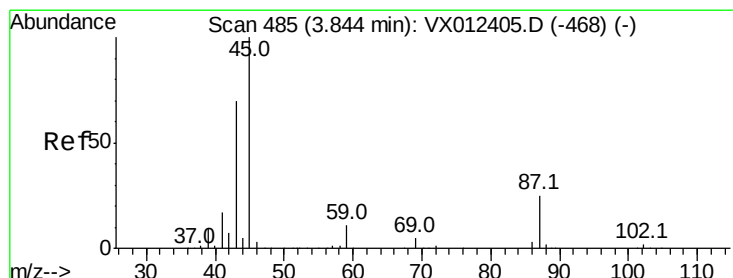
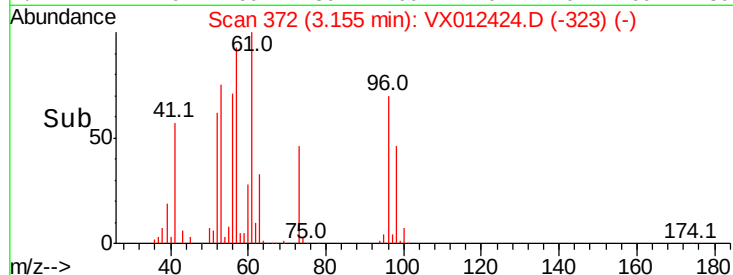
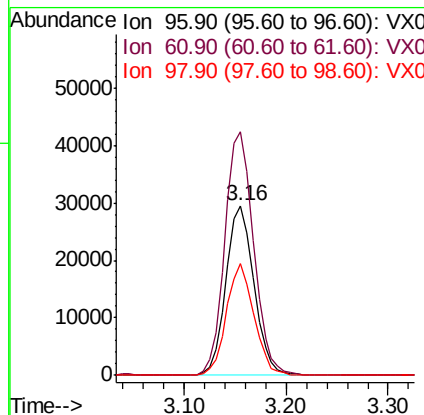
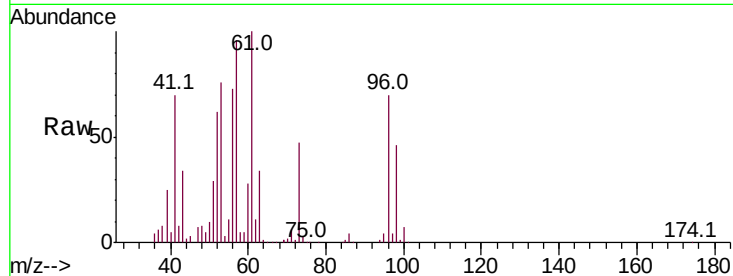
98 65.6 47.0 70.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 54.344 ug/l

RT: 3.85 min Scan# 486

Delta R.T. 0.01 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Tgt Ion: 45 Resp: 292796

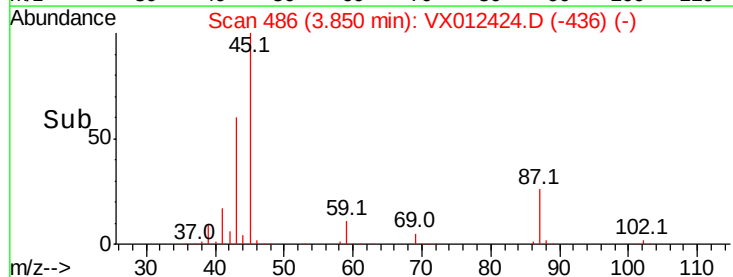
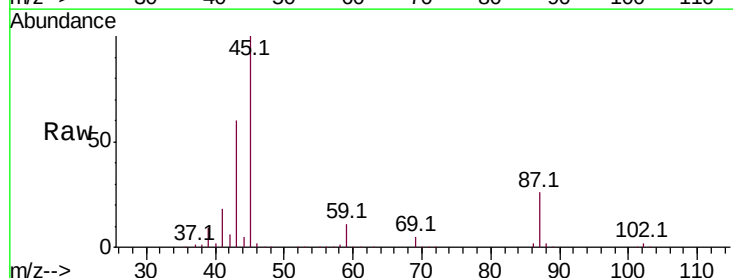
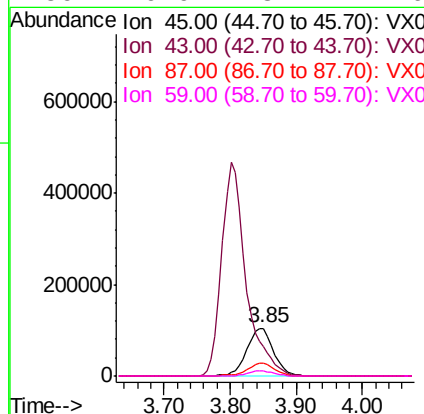
Ion Ratio Lower Upper

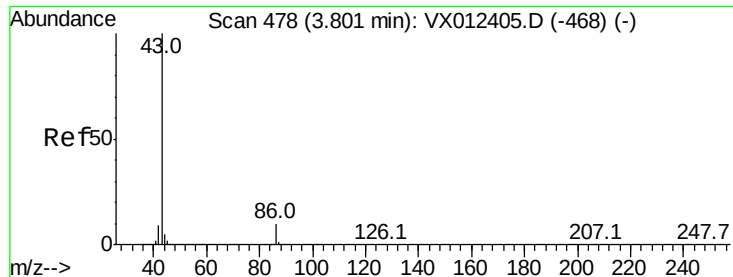
45 100

43 60.3 55.8 83.8

87 26.3 20.0 30.0

59 10.9 8.4 12.6





#23

Vinyl Acetate

Concen: 268.796 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampled :

S13-0282MSD

Tot Ion: 43 Resp: 1195416

Ion Ratio Lower Upper

43 100

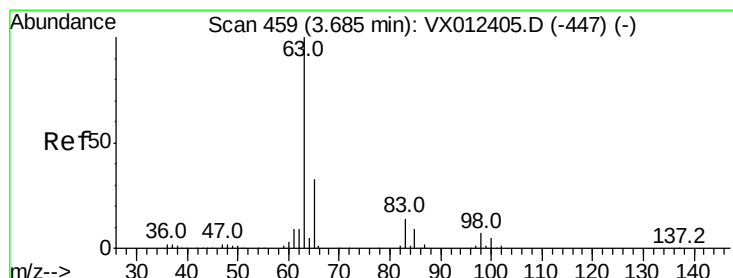
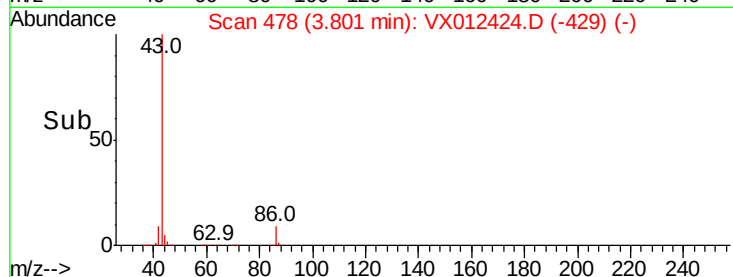
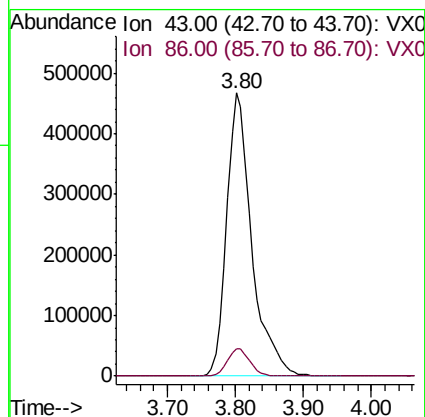
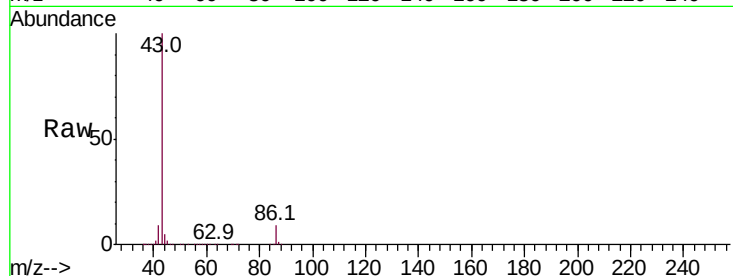
86 9.5 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 52.340 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

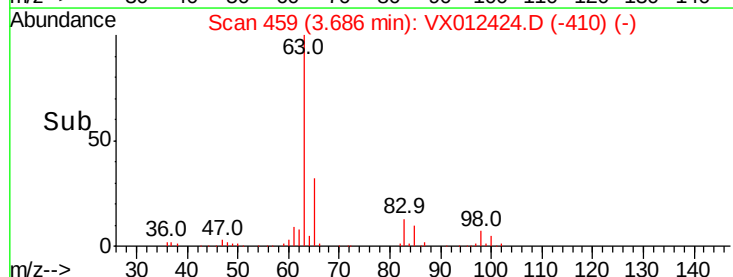
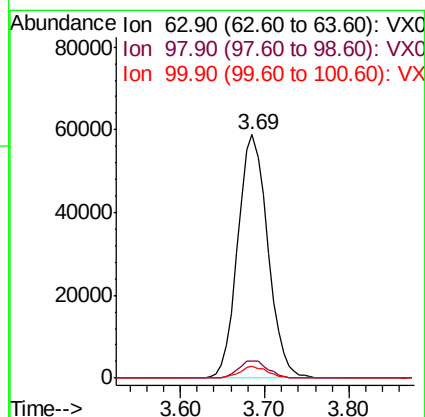
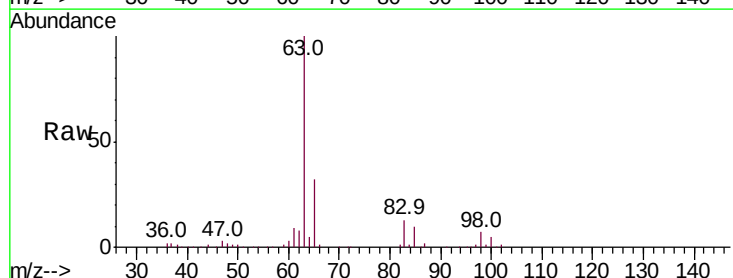
Tgt Ion: 63 Resp: 141105

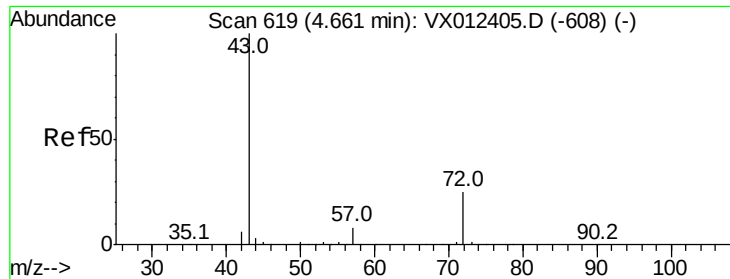
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.6

100 4.8 2.5 7.5





#25

2-Butanone

Concen: 251.252 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

Tot Ion: 43 Resp: 384105

Ion Ratio Lower Upper

43 100

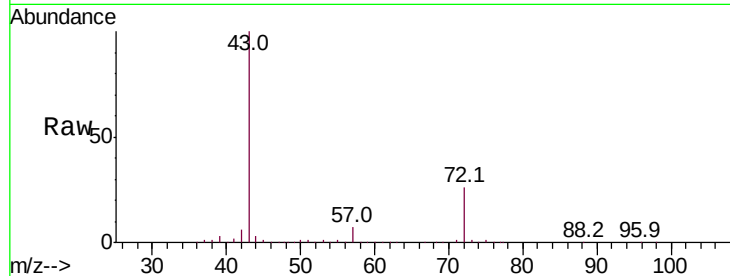
72 25.5 19.8 29.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

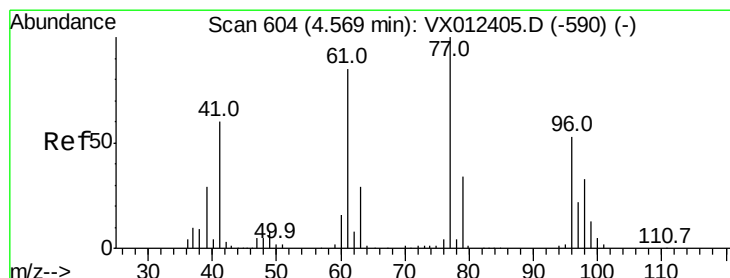
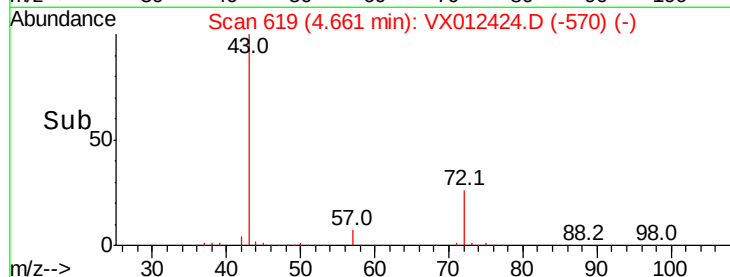
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 45.106 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX012424.D

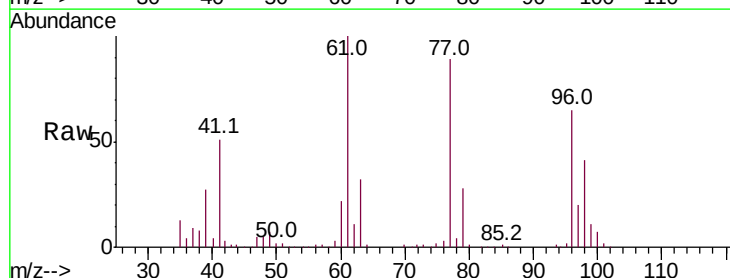
Acq: 16 Sep 2019 22:35

Tgt Ion: 77 Resp: 115993

Ion Ratio Lower Upper

77 100

97 21.8 10.7 32.1



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

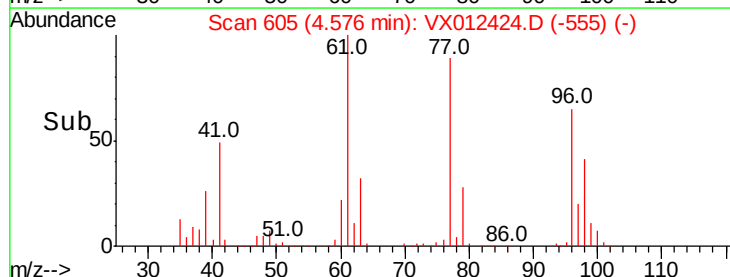
20000

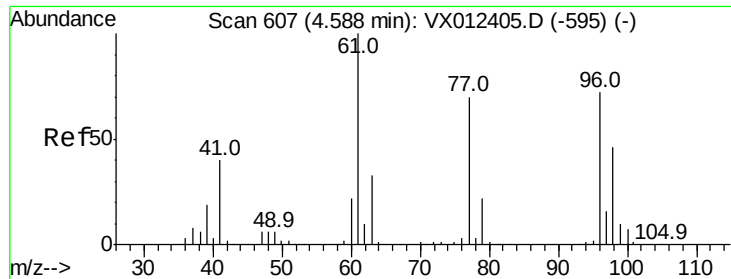
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

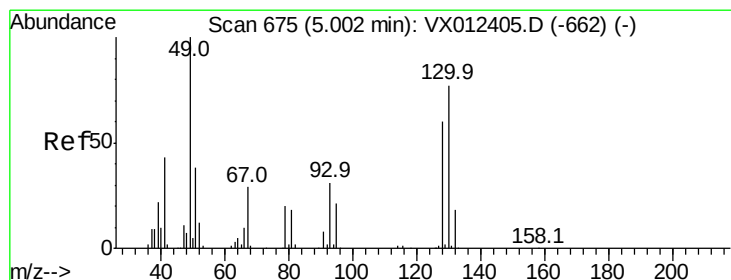
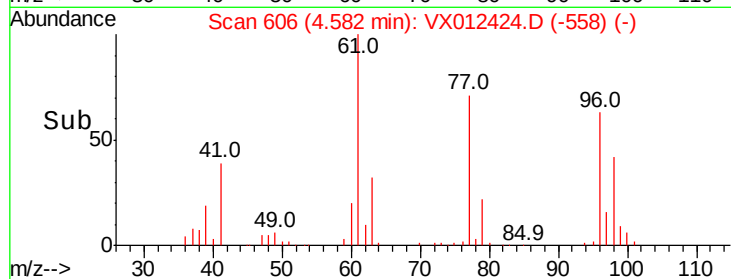
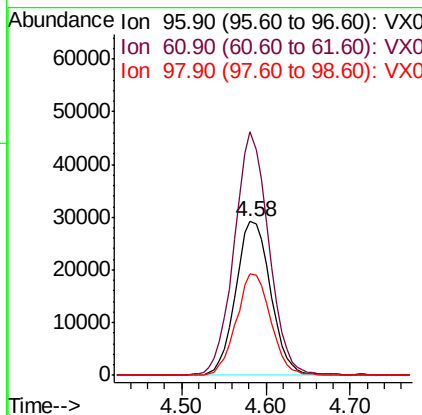
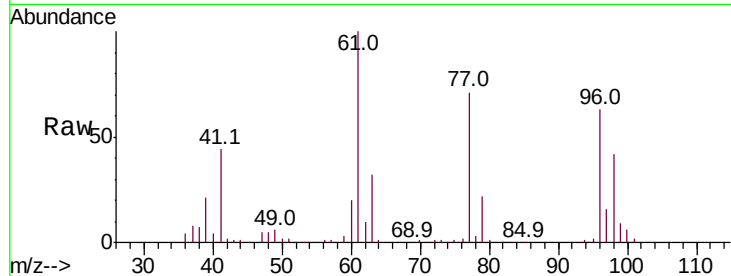
cis-1,2-Dichloroethene
 Concen: 51.214 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: VX012424.D
 Acq: 16 Sep 2019 22:35

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.6	0.0	307.6
98	65.1	0.0	129.8

Manual Integrations
 APPROVED

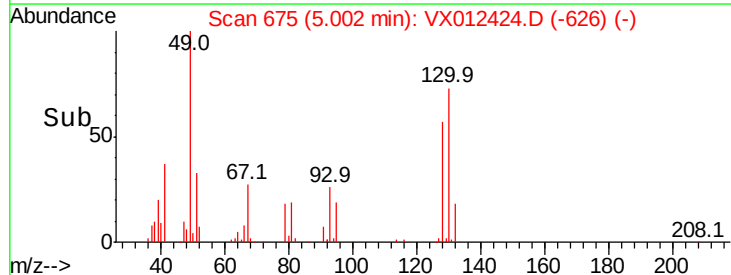
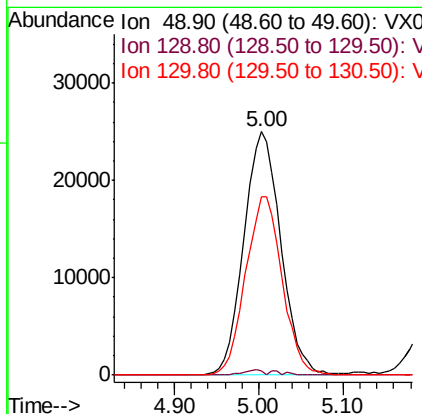
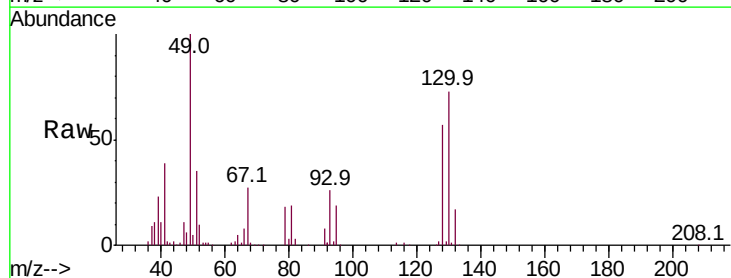
MMDadoda
 9/18/2019 12:02:57 PM

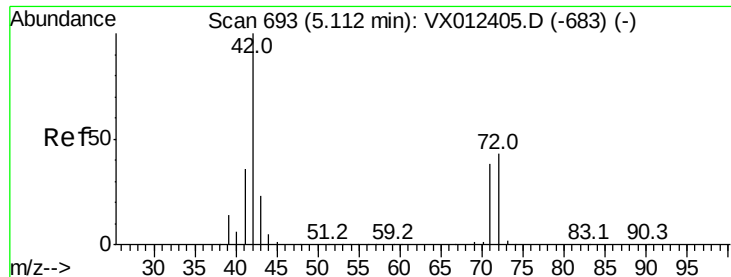


#28

Bromochloromethane
 Concen: 54.157 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VX012424.D
 Acq: 16 Sep 2019 22:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.6
130	72.4	61.3	91.9





#29

Tetrahydrofuran

Concen: 263.546 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA_X

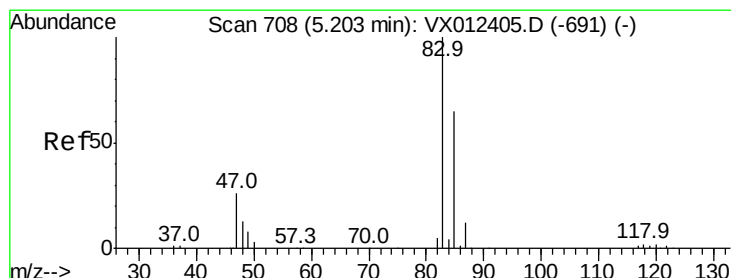
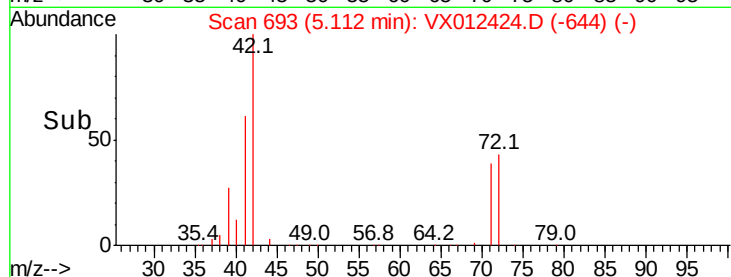
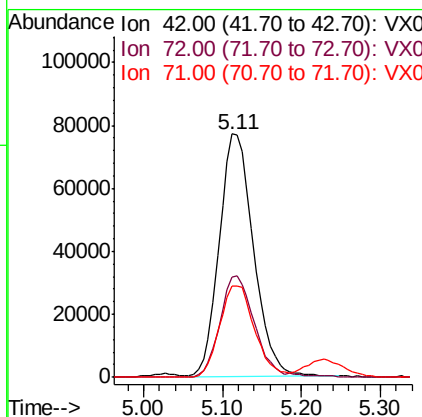
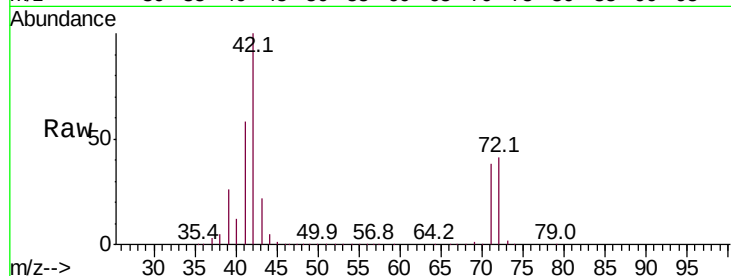
ClientSampled :

S13-0282MSD

Tot Ion:	42	Resp:	233680
Ion Ratio	Lower	Upper	
42	100		
72	42.8	34.9	52.3
71	38.7	32.6	48.8

Manual Integrations
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#30

Chloroform

Concen: 49.574 ug/l

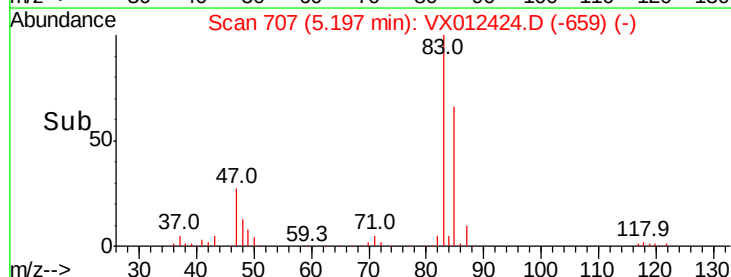
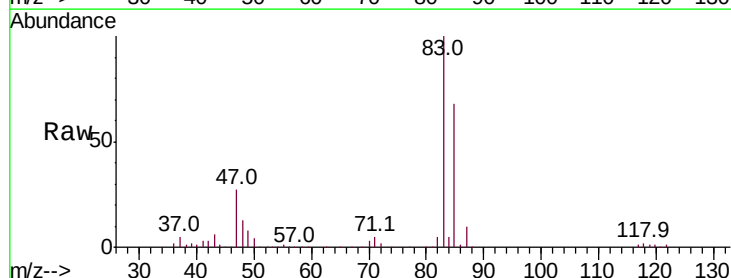
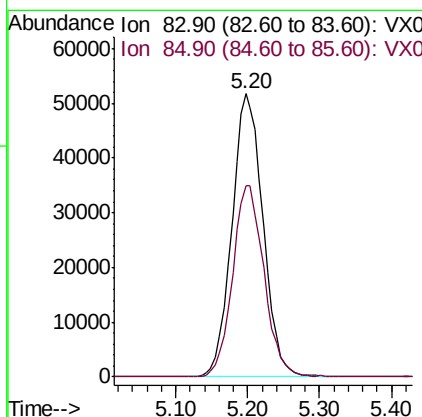
RT: 5.20 min Scan# 707

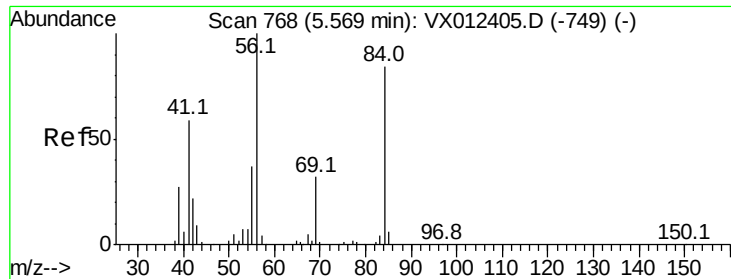
Delta R.T. -0.01 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Tgt Ion:	83	Resp:	154438
Ion Ratio	Lower	Upper	
83	100		
85	67.5	51.9	77.9





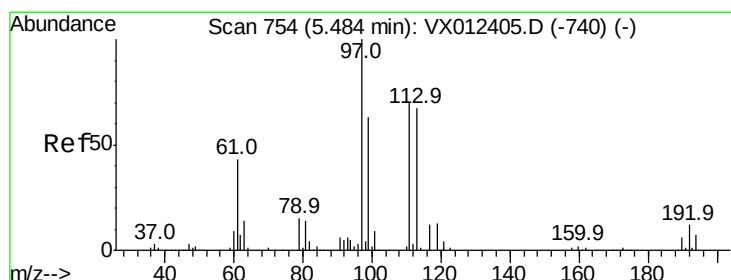
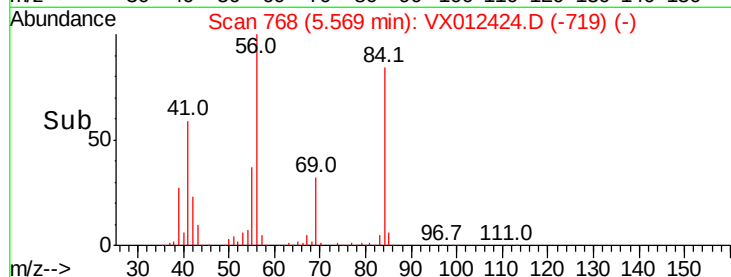
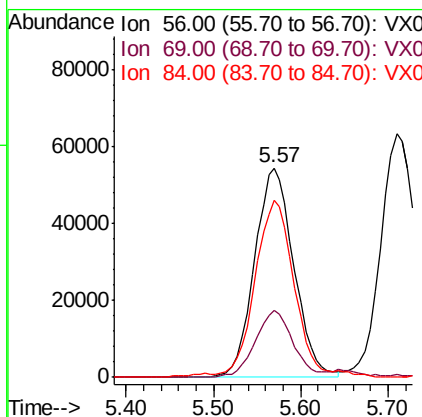
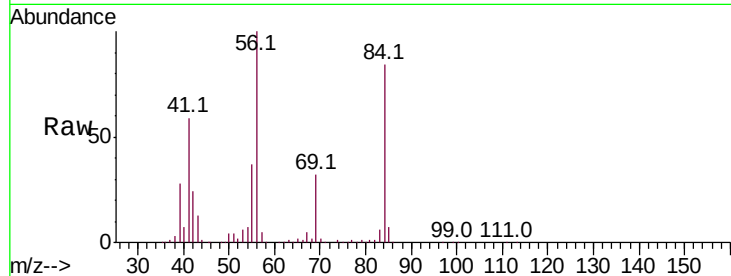
#31
Cyclohexane
Concen: 103.628 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX012424.D
Acq: 16 Sep 2019 22:35

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.9	24.9	37.3
84	83.5	67.2	100.8

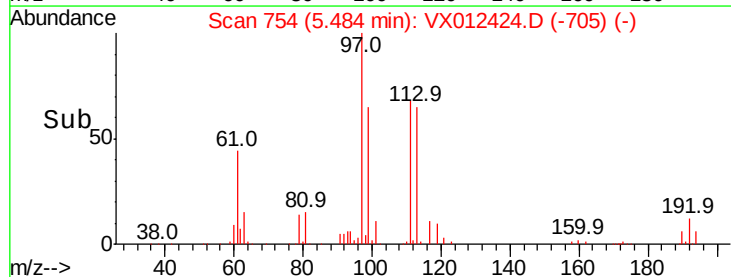
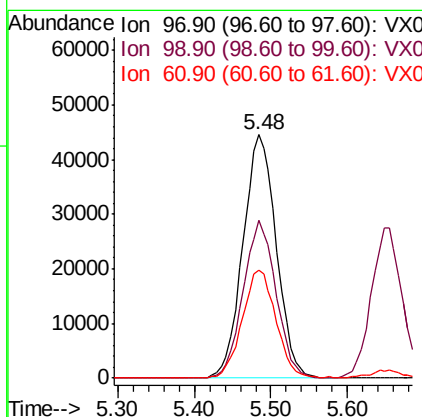
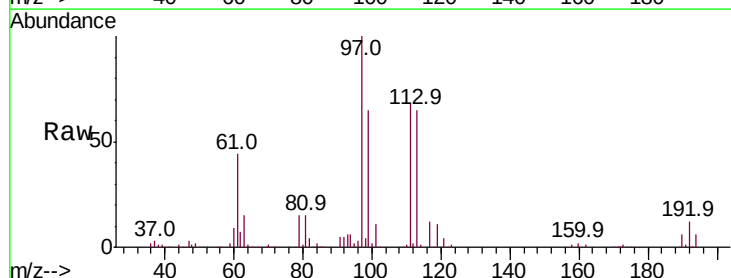
Manual Integrations
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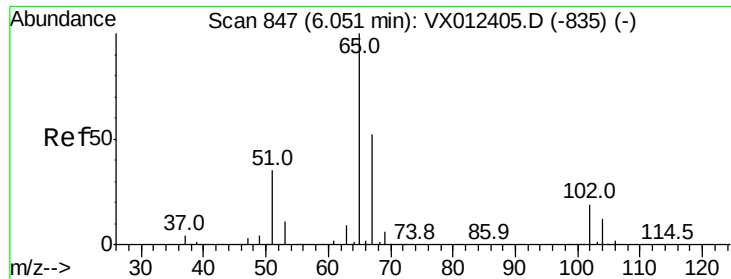
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 52.024 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX012424.D
Acq: 16 Sep 2019 22:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.7	77.5
61	45.0	35.7	53.5





#33

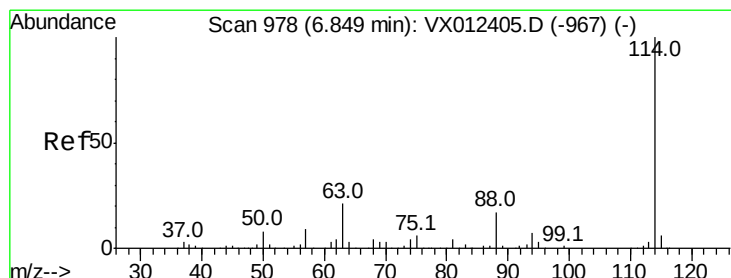
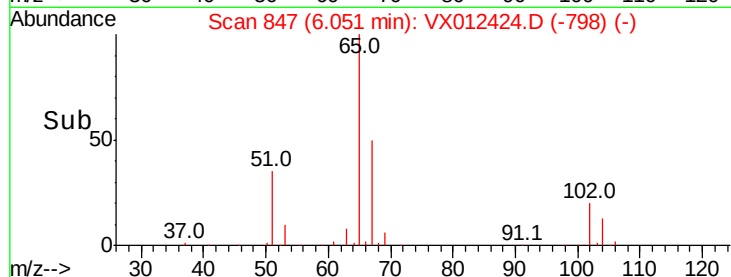
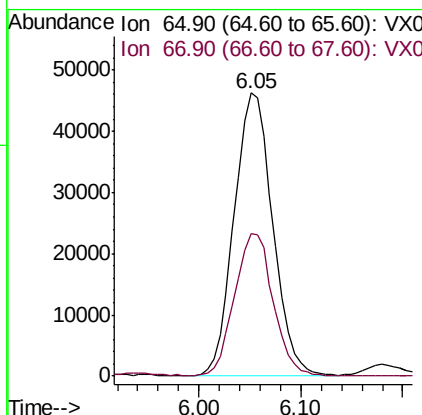
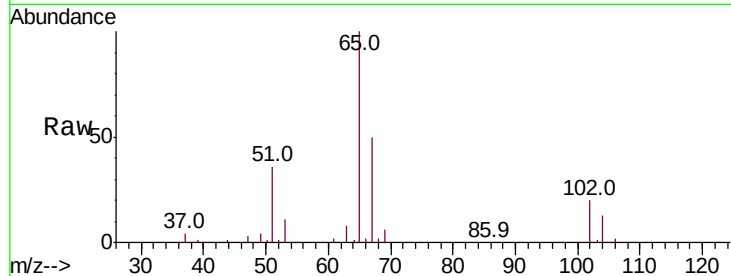
1,2-Dichloroethane-d4
Concen: 50.734 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX012424.D
Acq: 16 Sep 2019 22:35

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	121210		
67	50.5	0.0	102.8	

Manual Integrations
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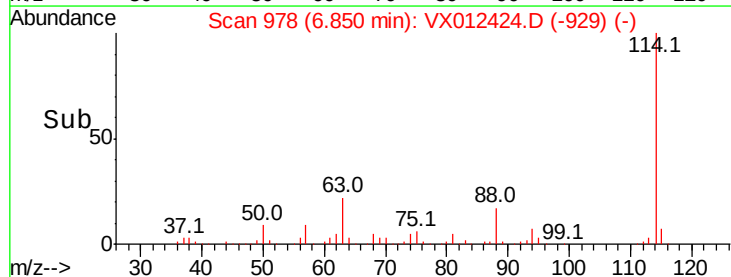
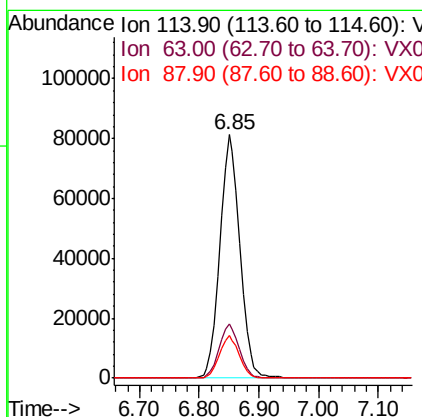
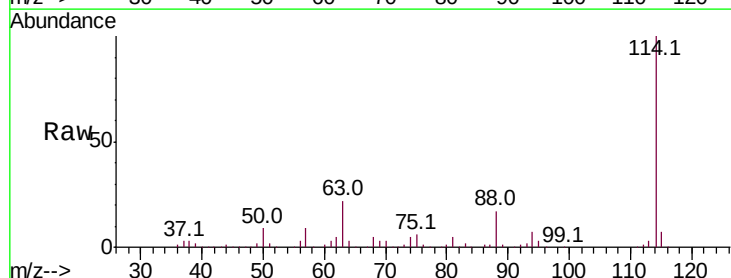
MMDadoda
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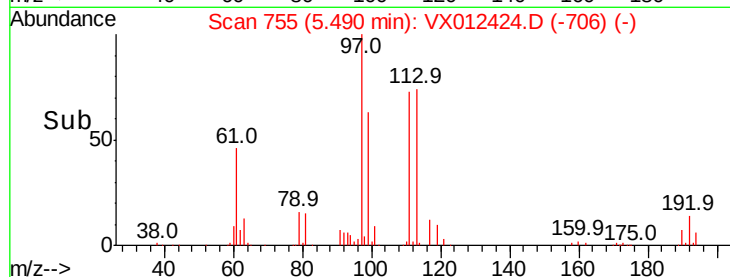
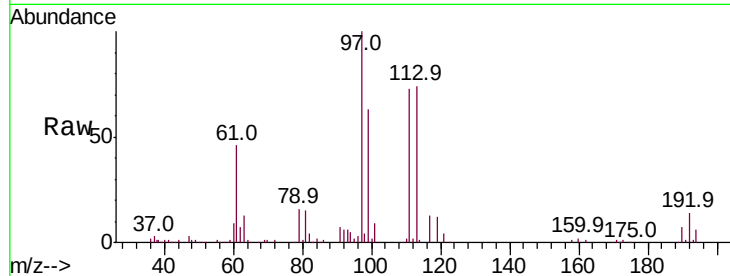
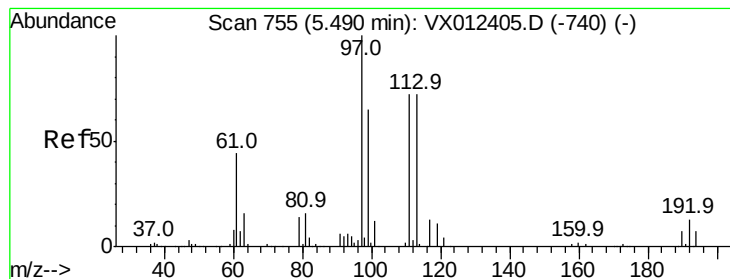


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX012424.D
Acq: 16 Sep 2019 22:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	189141		
63	22.2	0.0	42.4	
88	17.3	0.0	33.4	





#35

Dibromofluoromethane

Concen: 48.389 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012424.D

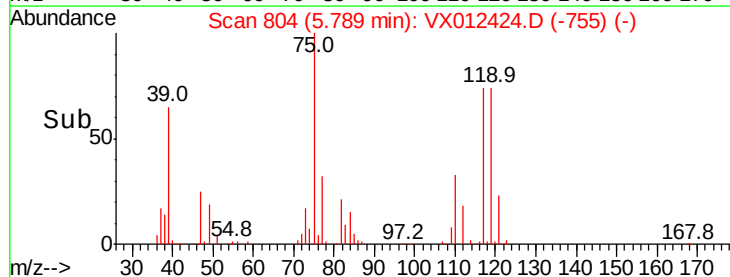
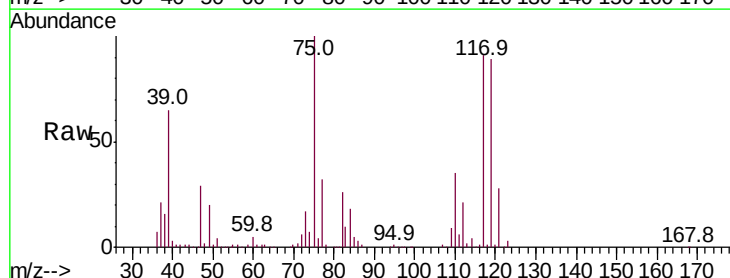
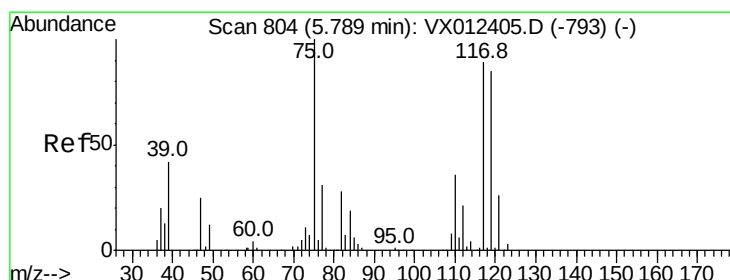
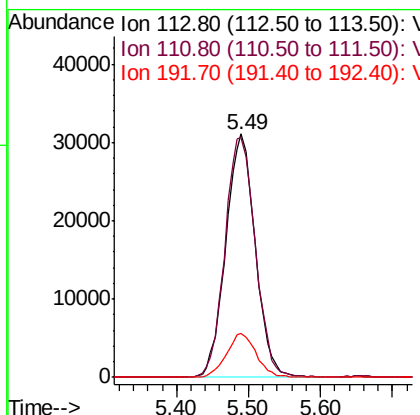
Acq: 16 Sep 2019 22:35

Tot Ion:	113	Resp:	88658
Ion Ratio	Lower	Upper	
113	100		
111	101.6	81.8	122.6
192	18.2	15.0	22.4

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.722 ug/l

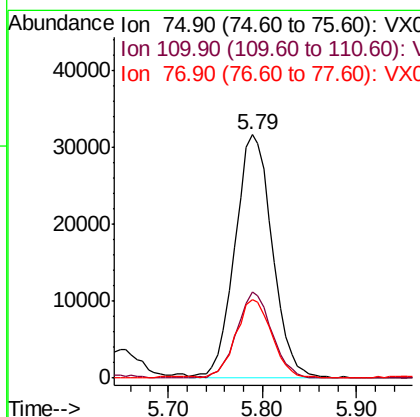
RT: 5.79 min Scan# 804

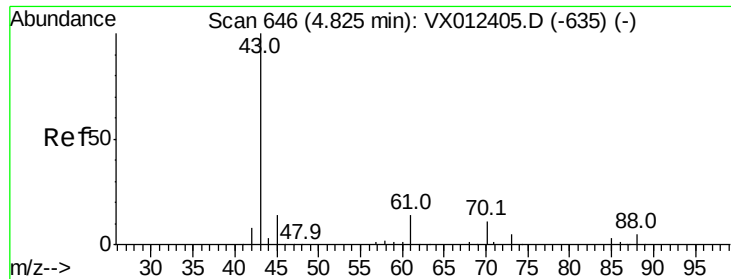
Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Tgt Ion:	75	Resp:	86905
Ion Ratio	Lower	Upper	
75	100		
110	33.8	17.4	52.2
77	31.1	24.8	37.2





#37

Ethyl Acetate

Concen: 50.009 ug/l

RT: 4.82 min Scan# 645

Delta R.T. -0.01 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA_X

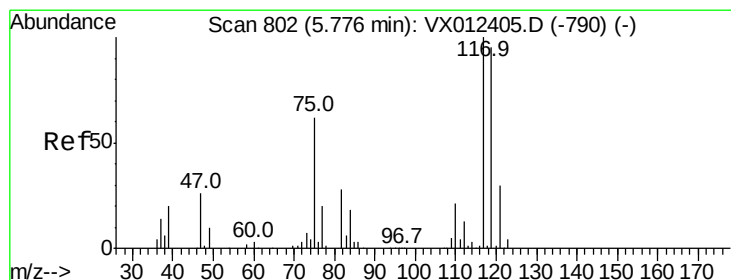
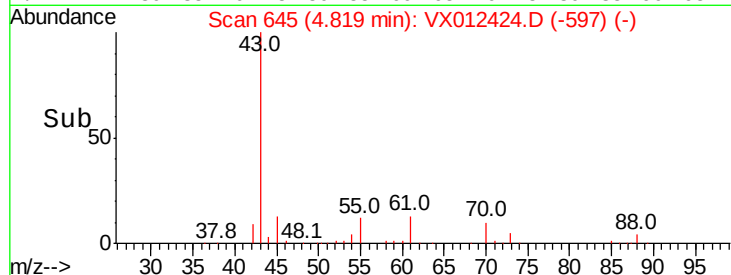
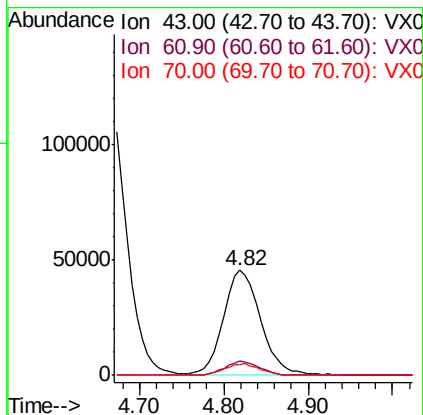
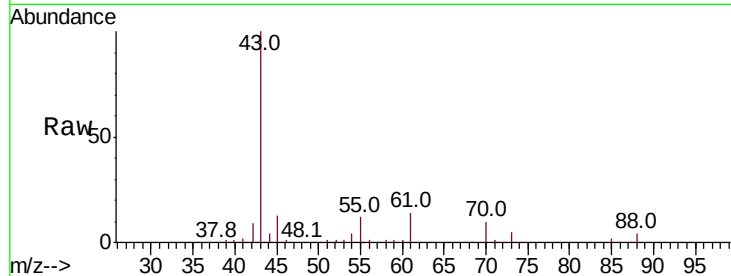
ClientSampleId :

S13-0282MSD

Tot Ion:	43	Resp:	134580
Ion	Ratio	Lower	Upper
43	100		
61	13.1	11.2	16.8
70	11.0	9.0	13.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 51.369 ug/l

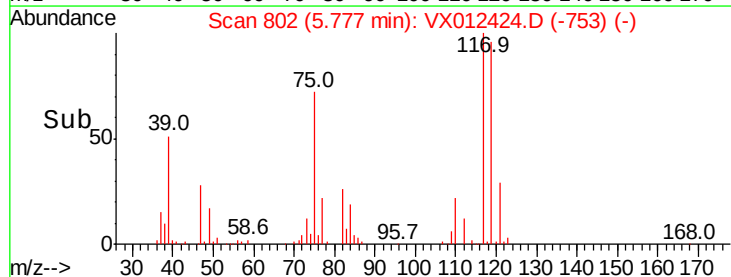
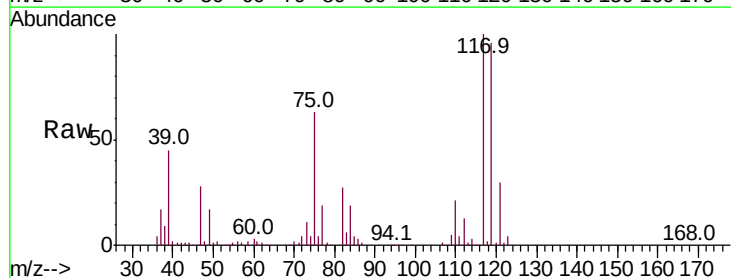
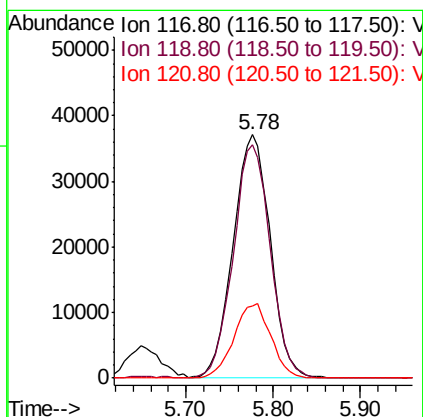
RT: 5.78 min Scan# 802

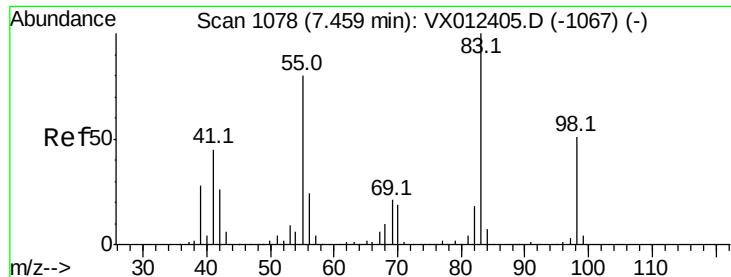
Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Tgt Ion:	117	Resp:	109571
Ion	Ratio	Lower	Upper
117	100		
119	95.9	75.8	113.8
121	29.6	23.8	35.6





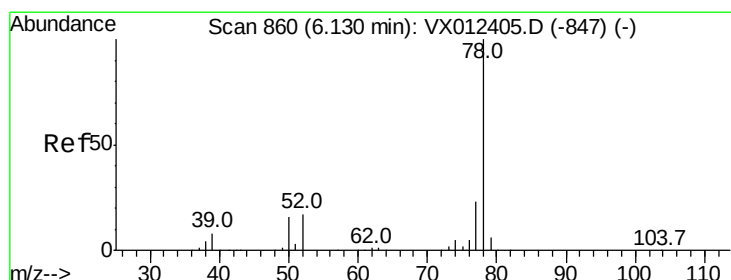
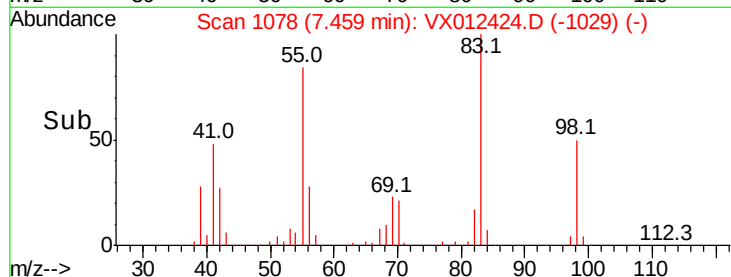
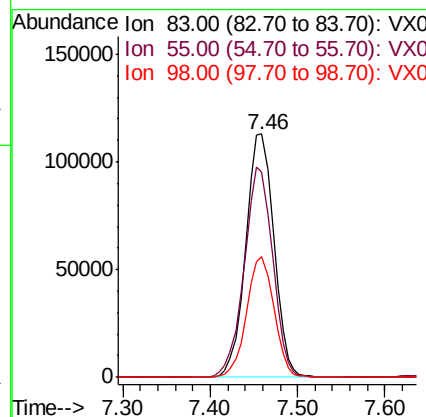
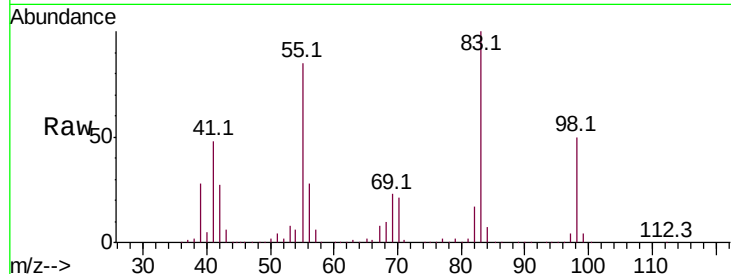
#39
Methylvlcyclohexane
Concen: 151.120 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012424.D
Acq: 16 Sep 2019 22:35

Instrument :
MSVOA_X
ClientSampled :
S13-0282MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	253710		
55	84.4		63.8	95.6
98	49.5		40.6	61.0

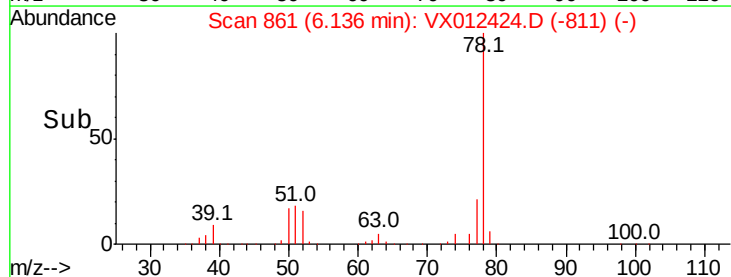
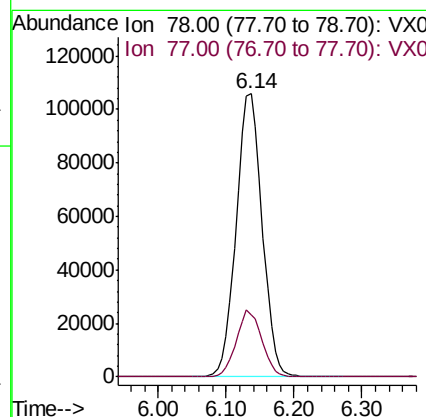
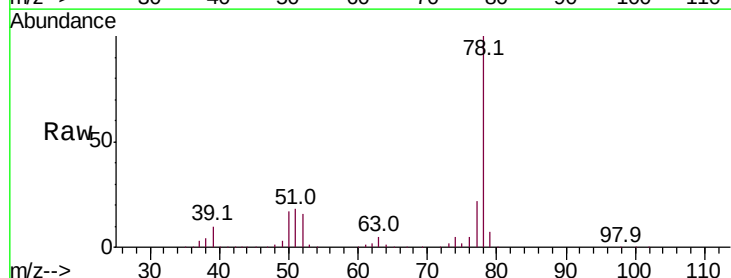
Manual Integrations
APPROVED

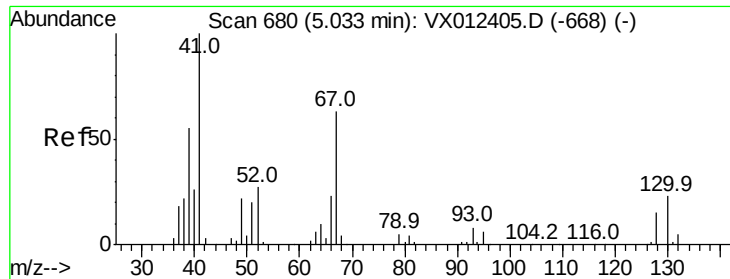
MMDadoda
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#40
Benzene
Concen: 52.125 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012424.D
Acq: 16 Sep 2019 22:35

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	280734		
77	22.0		18.2	27.2





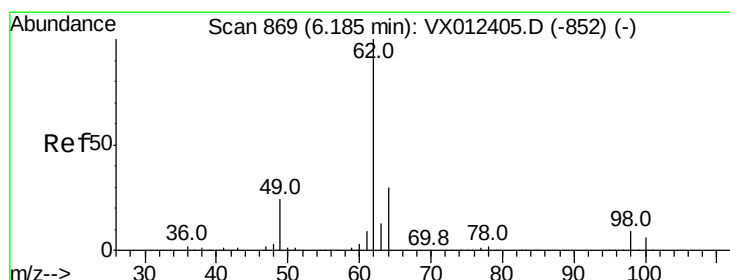
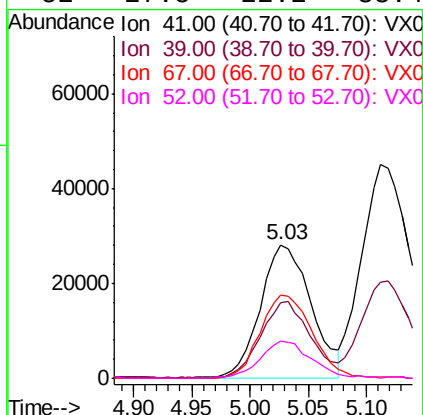
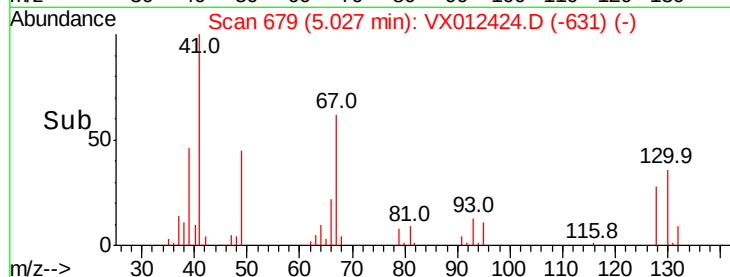
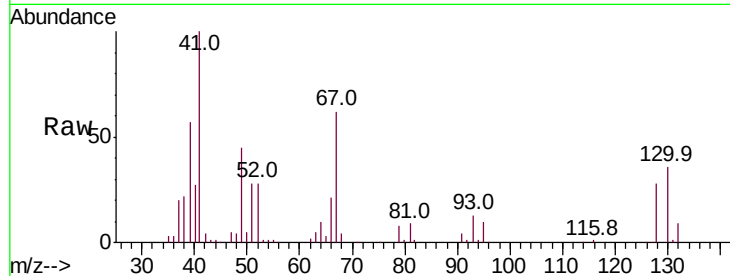
#41
Methacrylonitrile
Concen: 55.299 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.01 min
Lab File: VX012424.D
Acq: 16 Sep 2019 22:35

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.2	44.4	66.6	
67	64.2	53.8	80.8	
52	27.5	22.2	33.4	

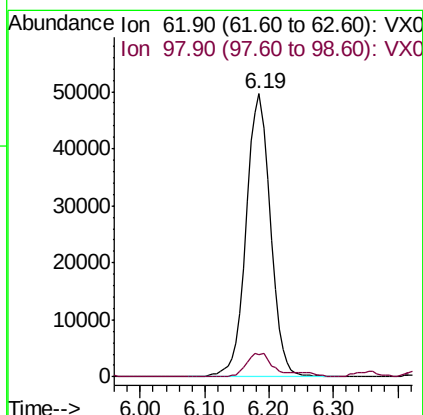
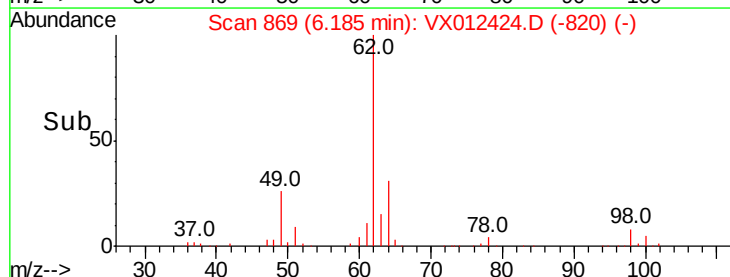
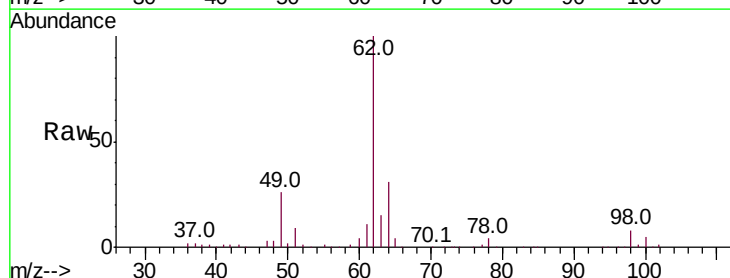
Manual Integrations
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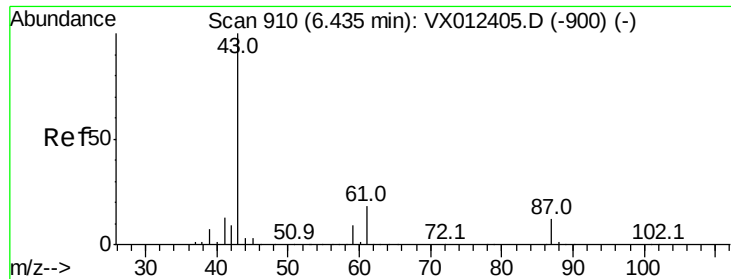
MMDadoda
9/18/2019 12:02:57 PM



#42
1,2-Dichloroethane
Concen: 52.312 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX012424.D
Acq: 16 Sep 2019 22:35

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	17.8	





#43

Isopropyl Acetate

Concen: 51.892 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA_X

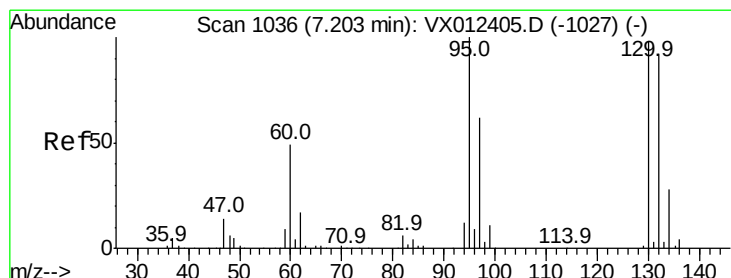
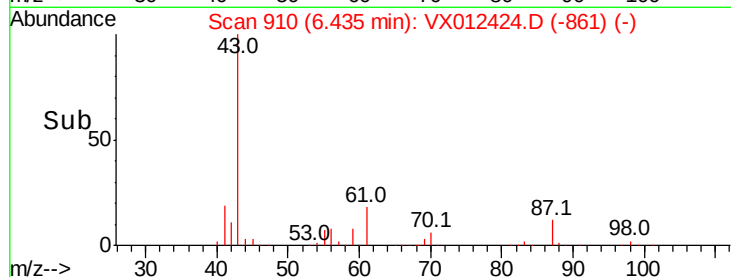
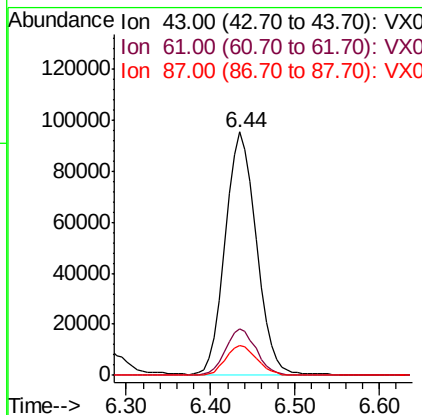
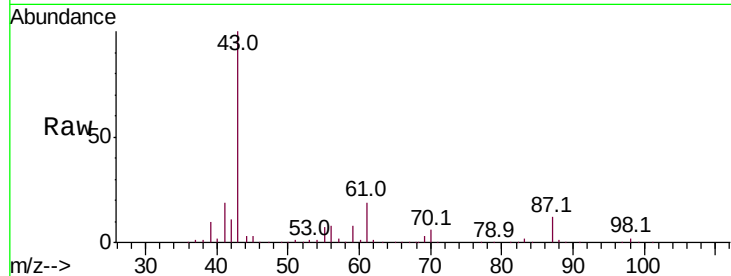
ClientSampleId :

S13-0282MSD

Tot Ion:	43	Resp:	239600
Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.5	23.3
87	12.3	10.0	15.0

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#44

Trichloroethene

Concen: 49.349 ug/l

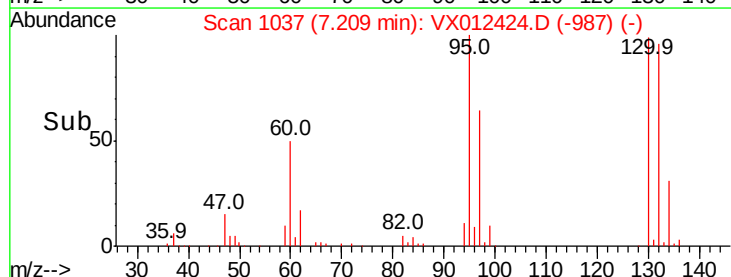
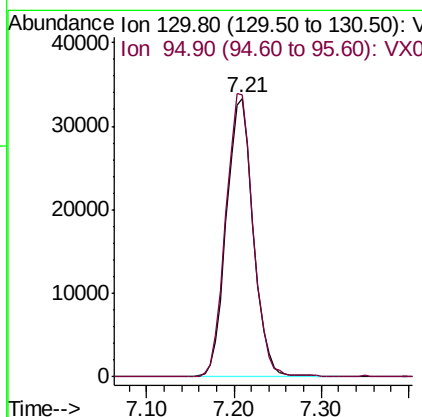
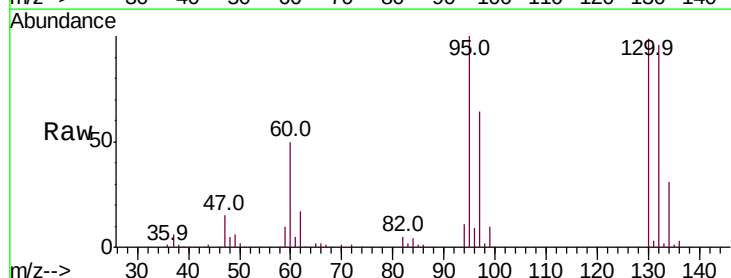
RT: 7.21 min Scan# 1037

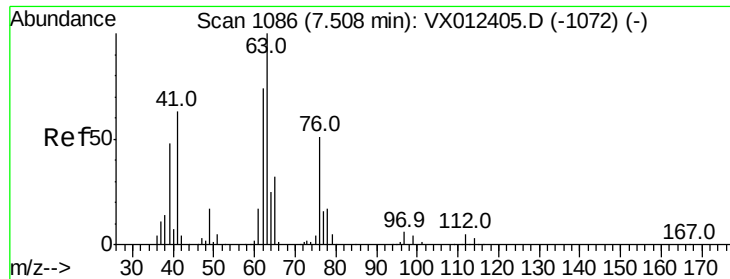
Delta R.T. 0.01 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Tgt Ion:	130	Resp:	71384
Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	203.2





#45

1,2-Dichloropropane

Concen: 51.769 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

Tot Ion: 63 Resp: 85210

Ion Ratio Lower Upper

63 100

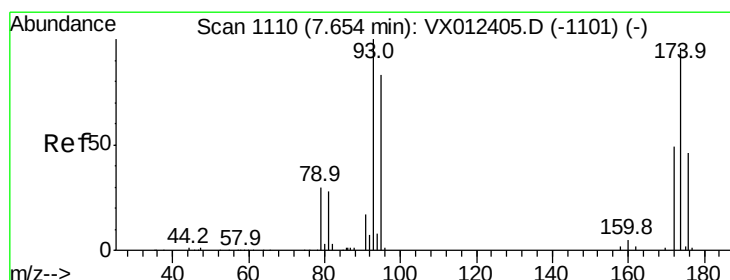
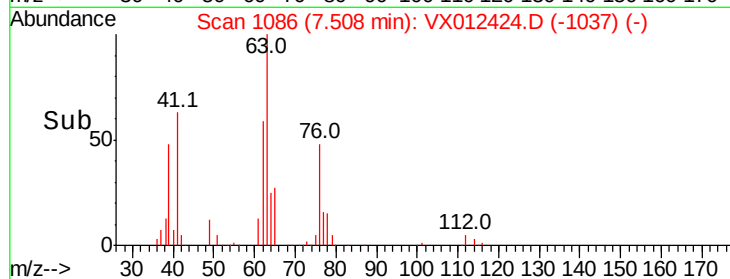
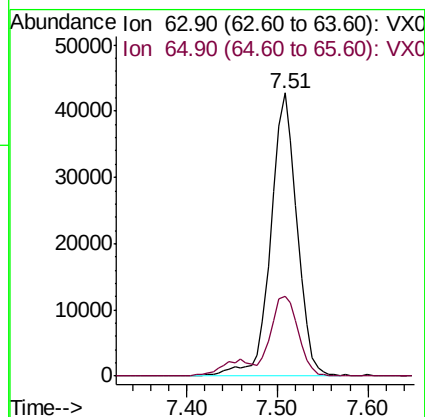
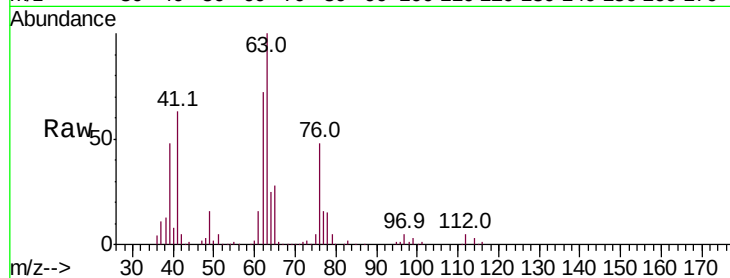
65 28.4 25.6 38.4

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#46

Dibromomethane

Concen: 50.452 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

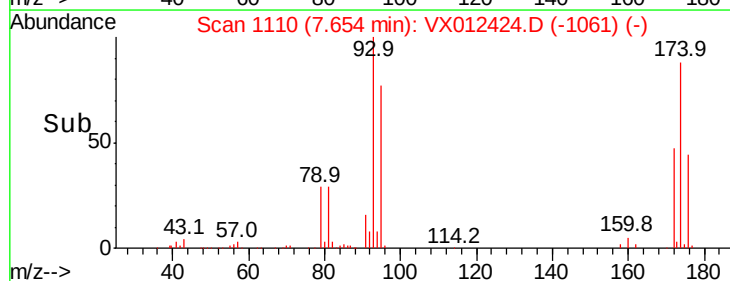
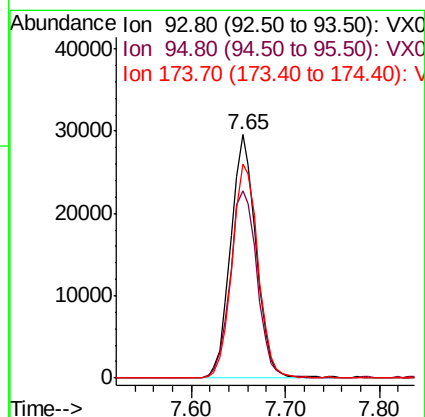
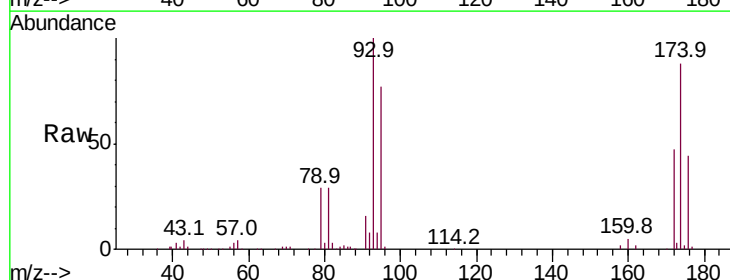
Tgt Ion: 93 Resp: 55399

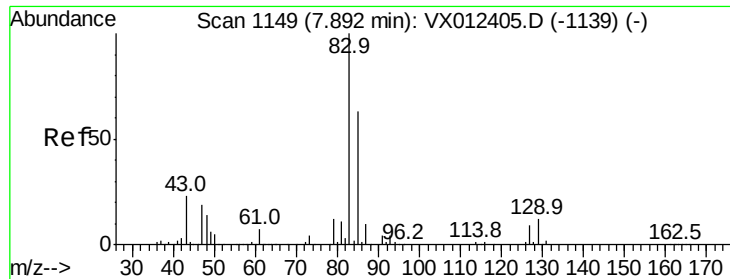
Ion Ratio Lower Upper

93 100

95 82.0 66.2 99.2

174 90.0 78.6 118.0





#47

Bromodichloromethane

Concen: 51.969 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA_X

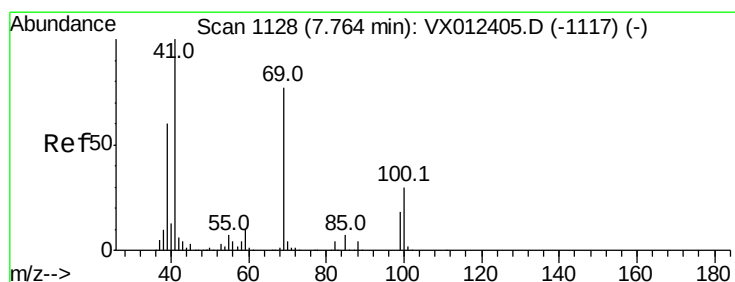
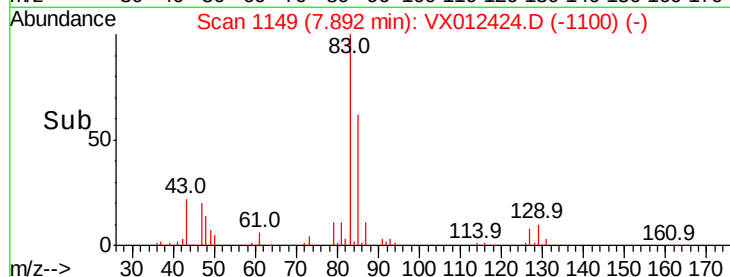
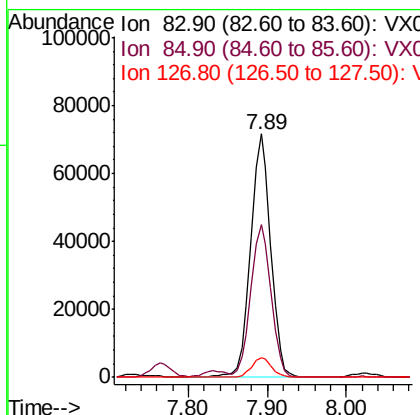
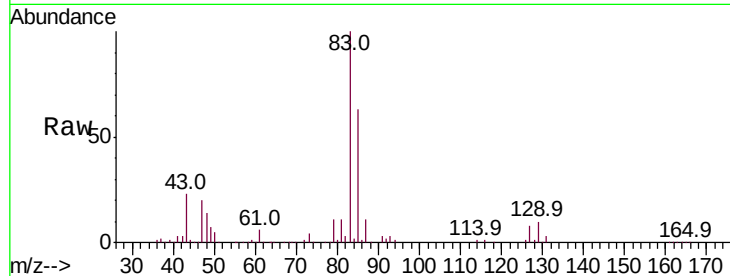
ClientSampleId :

S13-0282MSD

Tot Ion:	83	Resp:	127398
Ion Ratio	Lower	Upper	
83	100		
85	62.5	50.2	75.4
127	8.3	6.9	10.3

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#48

Methyl methacrylate

Concen: 53.725 ug/l

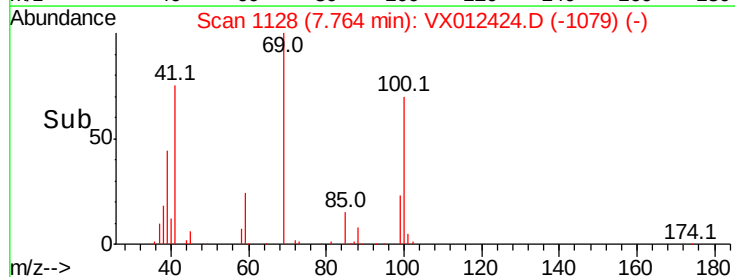
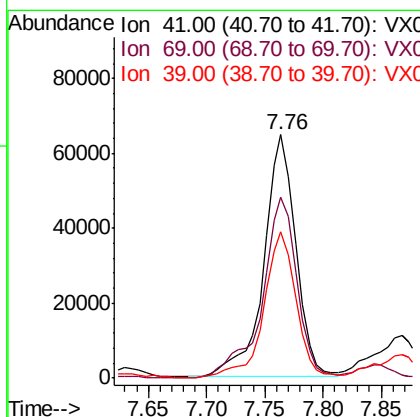
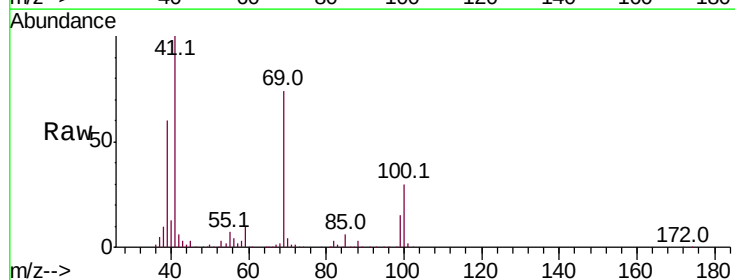
RT: 7.76 min Scan# 1128

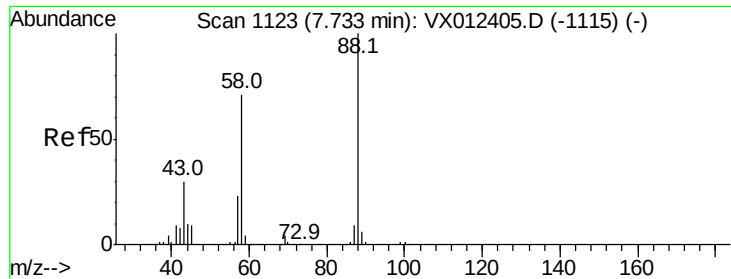
Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Tgt Ion:	41	Resp:	123292
Ion Ratio	Lower	Upper	
41	100		
69	81.1	61.6	92.4
39	59.8	47.6	71.4





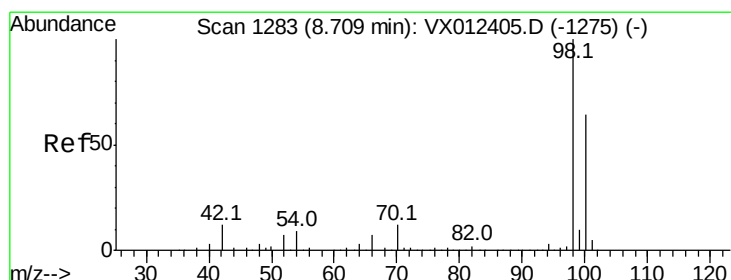
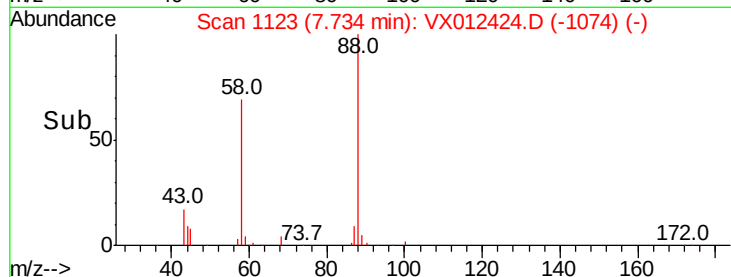
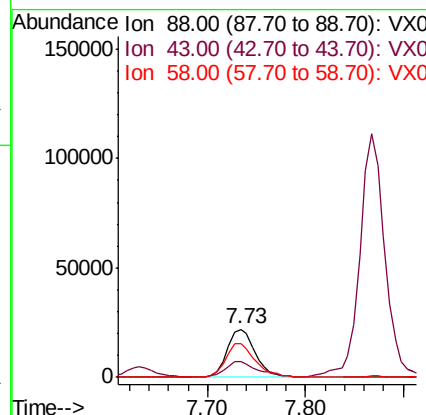
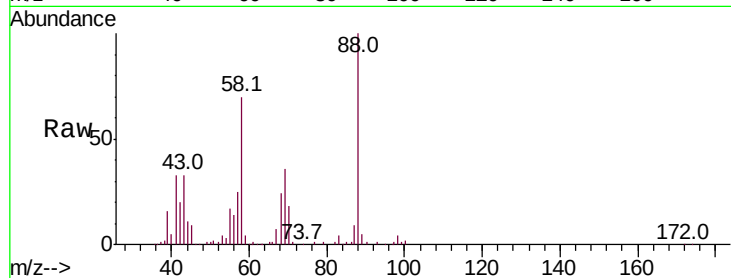
#49
1,4-Dioxane
Concen: 833.175 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012424.D
Acq: 16 Sep 2019 22:35

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.8	26.6	39.8
58	74.0	57.1	85.7

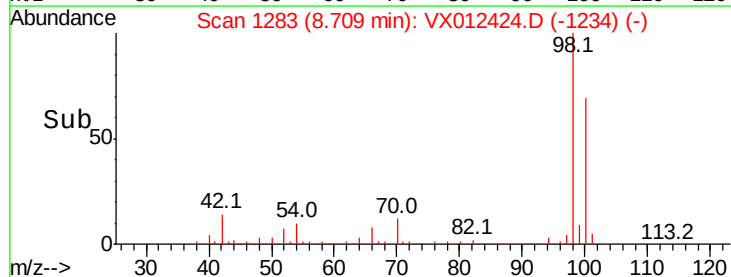
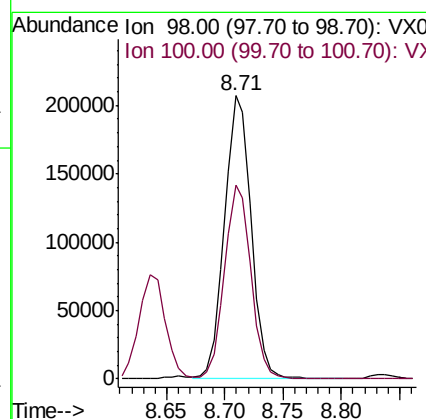
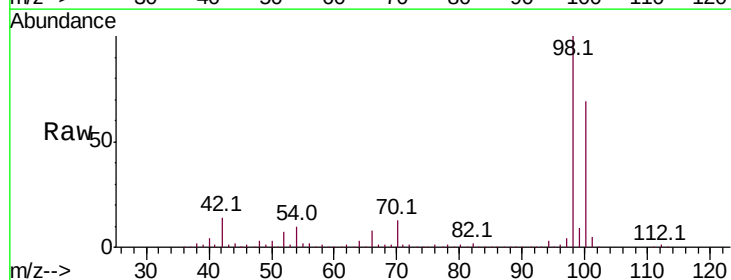
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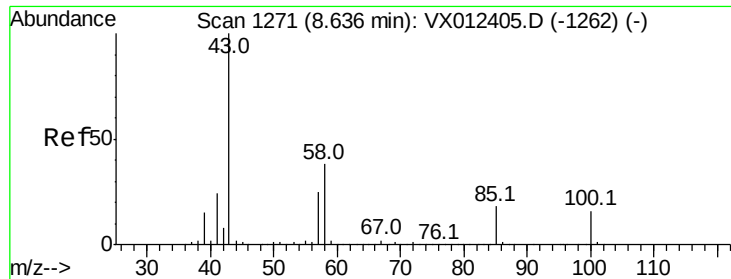
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#50
Toluene-d8
Concen: 49.983 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012424.D
Acq: 16 Sep 2019 22:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.4	54.4	81.6





#51

4-Methyl-2-Pentanone

Concen: 265.079 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

Tot Ion: 43 Resp: 793072

Ion Ratio Lower Upper

43 100

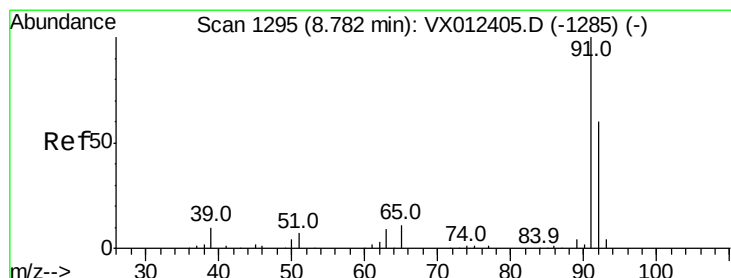
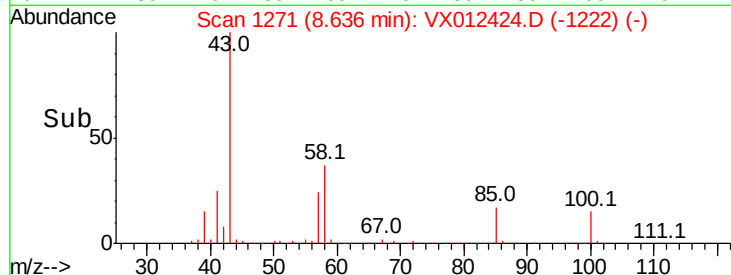
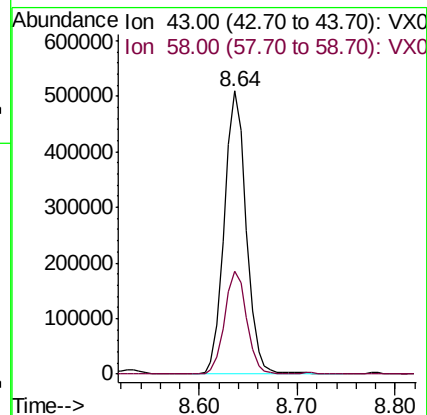
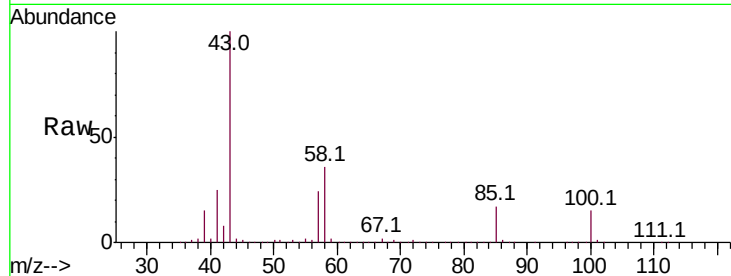
58 36.7 30.2 45.4

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#52

Toluene

Concen: 52.475 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012424.D

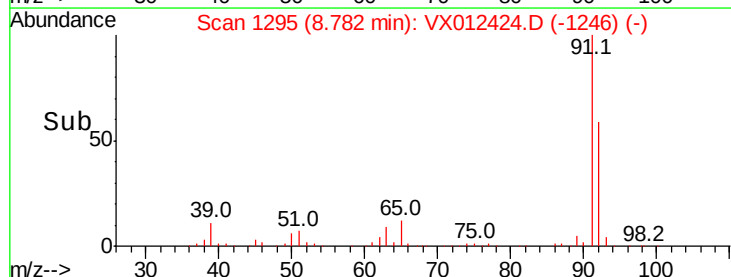
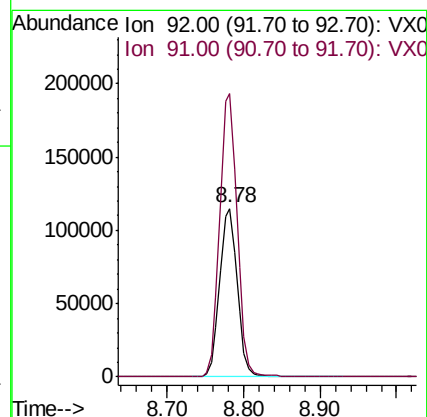
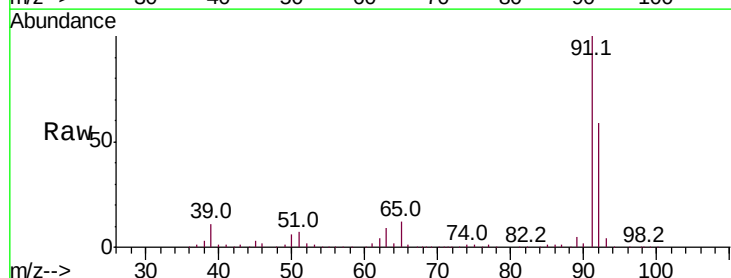
Acq: 16 Sep 2019 22:35

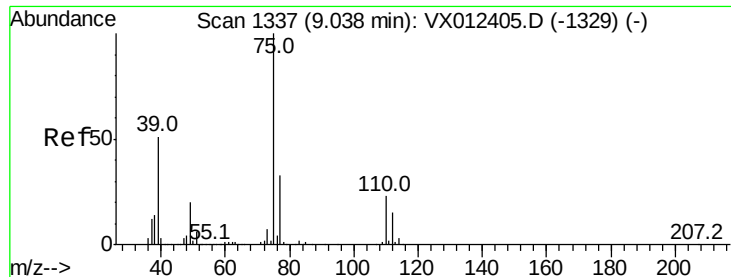
Tgt Ion: 92 Resp: 183970

Ion Ratio Lower Upper

92 100

91 166.9 133.3 199.9





#53

t-1,3-Dichloropropene

Concen: 51.596 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

Tot Ion: 75 Resp: 131170

Ion Ratio Lower Upper

75 100

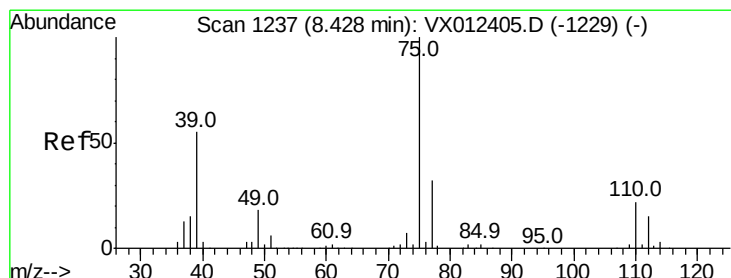
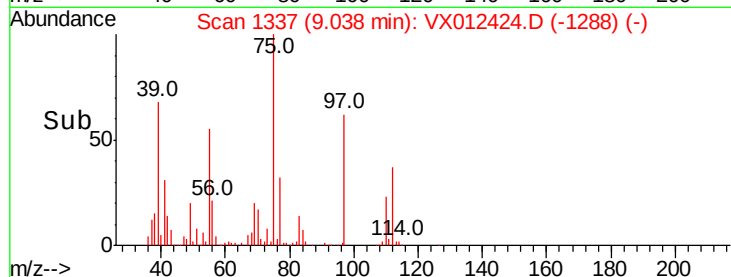
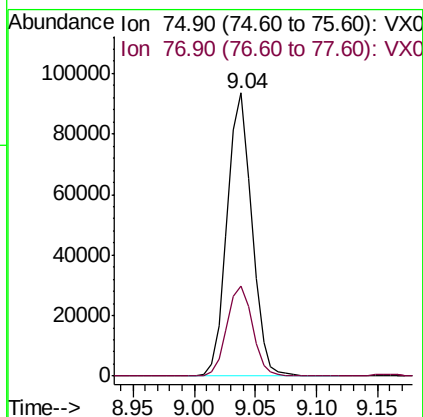
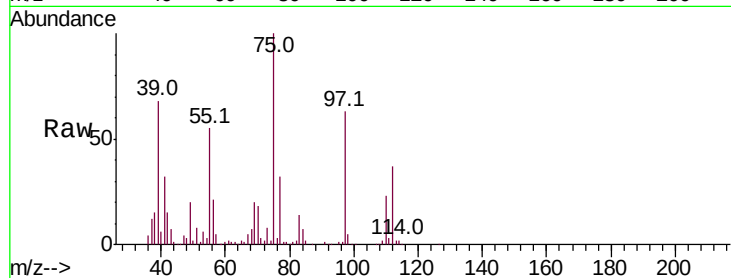
77 31.7 26.1 39.1

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#54

cis-1,3-Dichloropropene

Concen: 51.253 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

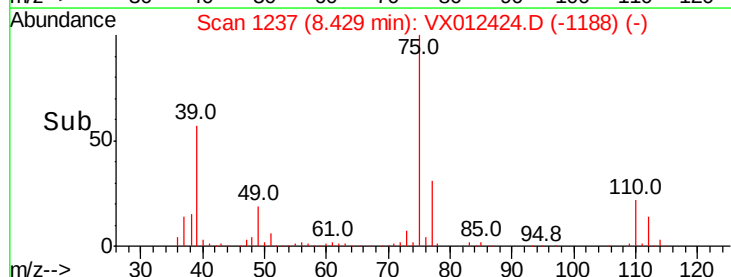
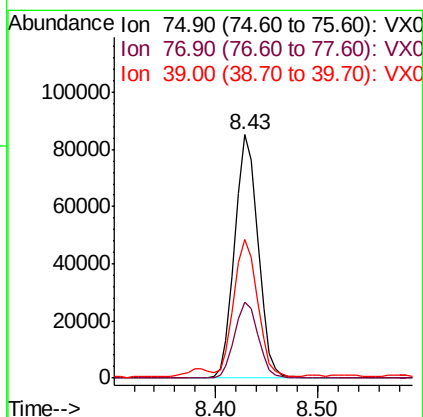
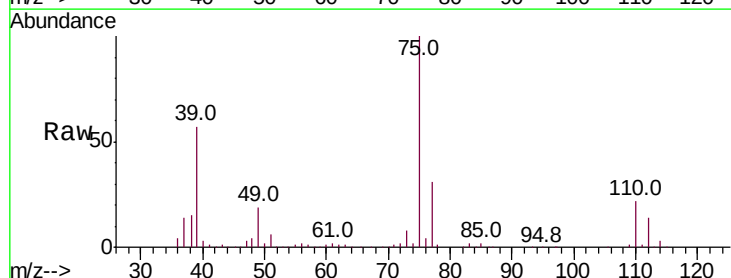
Tgt Ion: 75 Resp: 134687

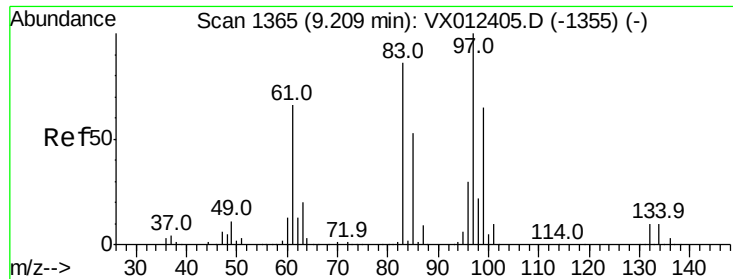
Ion Ratio Lower Upper

75 100

77 31.2 25.2 37.8

39 56.1 43.8 65.8





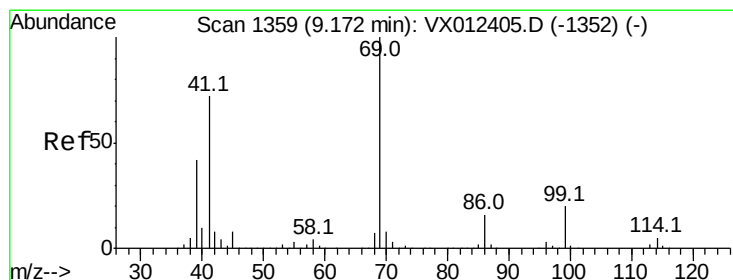
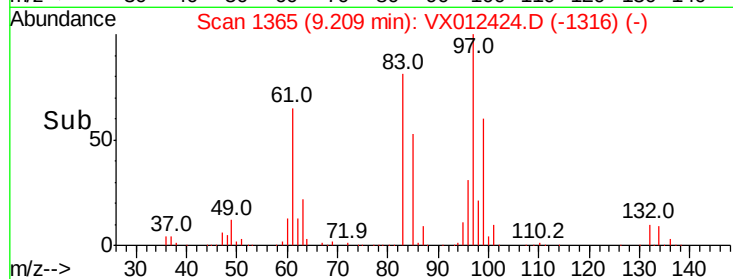
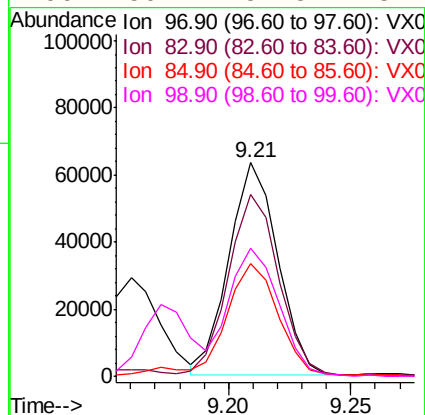
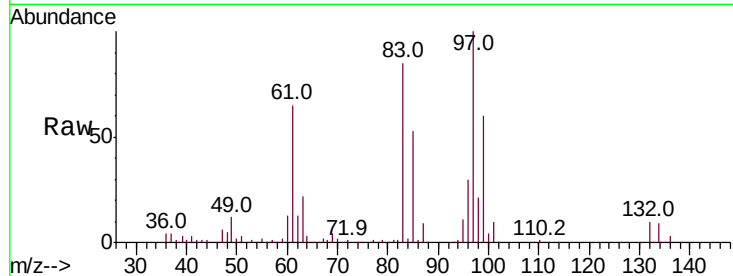
#55
 1,1,2-Trichloroethane
 Concen: 47.784 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012424.D
 Acq: 16 Sep 2019 22:35

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		88026		
83	85.1	68.5	102.7		
85	52.6	42.6	64.0		
99	59.7	52.5	78.7		

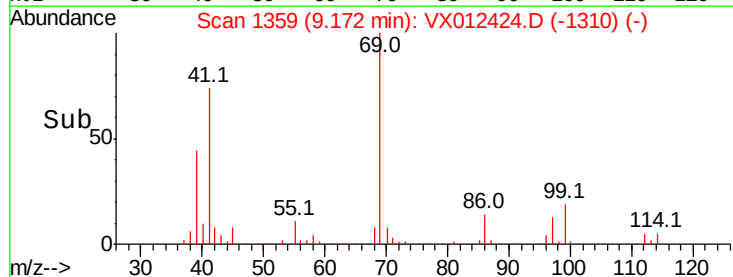
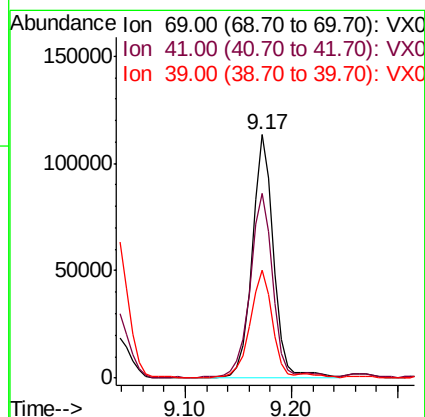
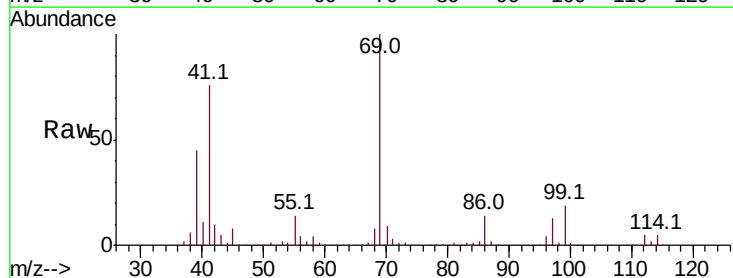
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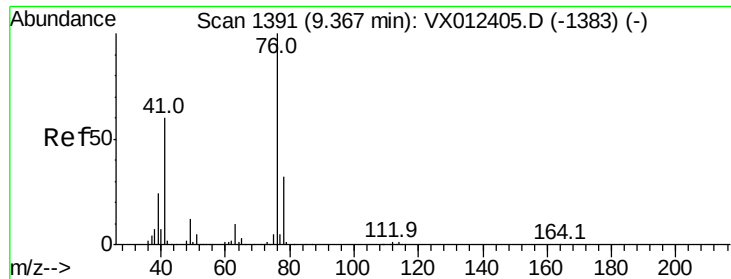
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#56
 Ethyl methacrylate
 Concen: 57.946 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012424.D
 Acq: 16 Sep 2019 22:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		160601		
41	80.7	57.0	85.6		
39	46.7	32.6	49.0		





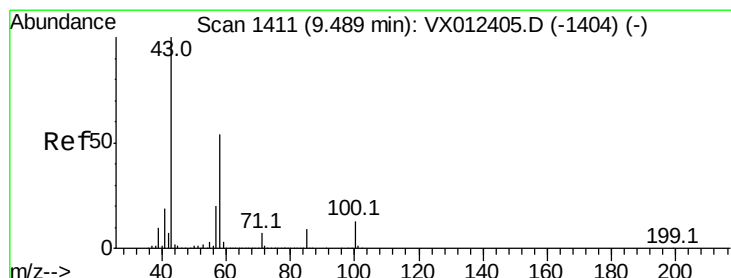
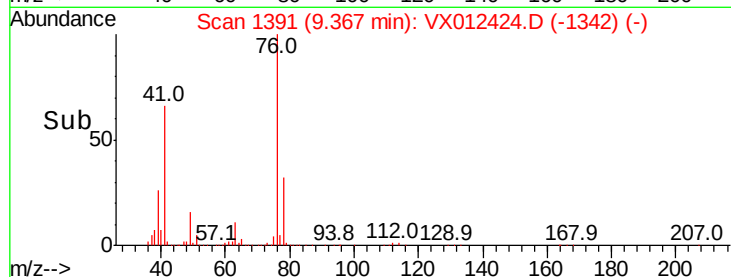
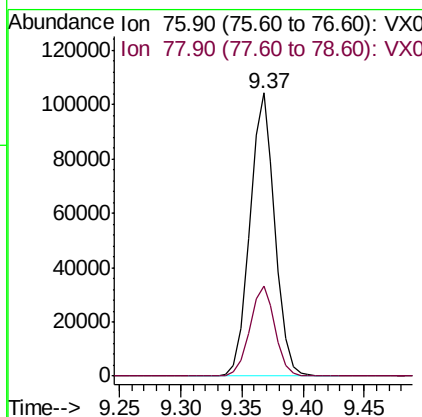
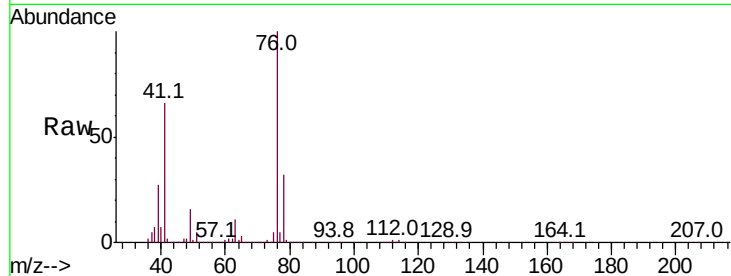
#57
 1,3-Dichloropropane
 Concen: 50.504 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012424.D
 Acq: 16 Sep 2019 22:35

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.9	38.9

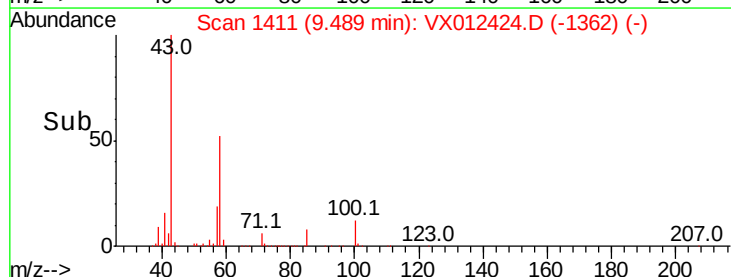
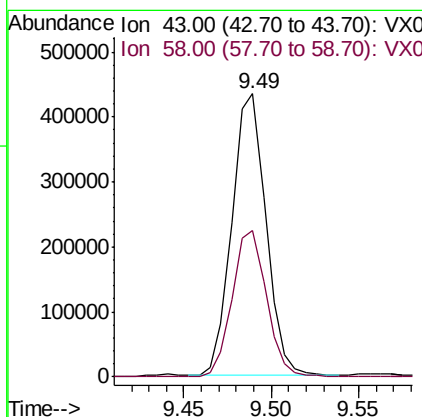
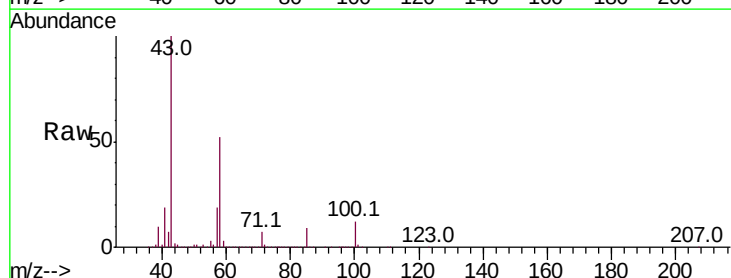
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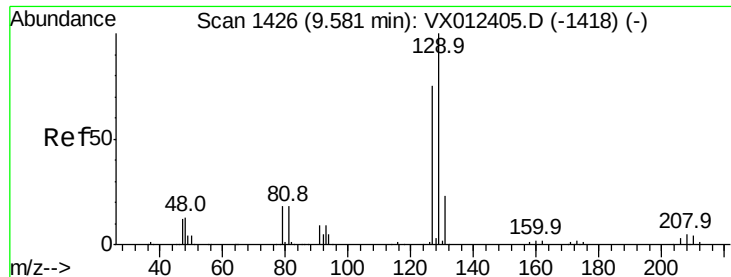
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#59
 2-Hexanone
 Concen: 255.426 ug/l
 RT: 9.49 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX012424.D
 Acq: 16 Sep 2019 22:35

Tgt Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.4	79.0





#60

Dibromochloromethane

Concen: 46.401 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

Tot Ion:129 Resp: 97874

Ion Ratio Lower Upper

129 100

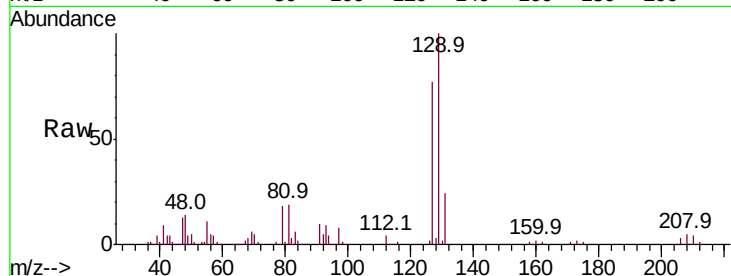
127 76.8 38.1 114.3

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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

60000

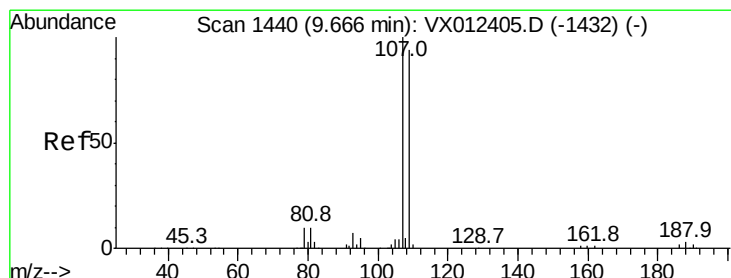
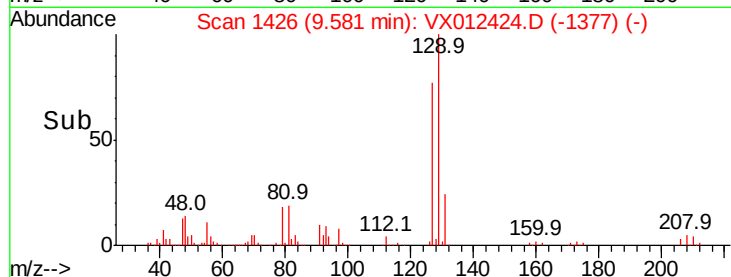
40000

20000

0

Time-->

9.50 9.55 9.60 9.65



#61

1,2-Dibromoethane

Concen: 50.394 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012424.D

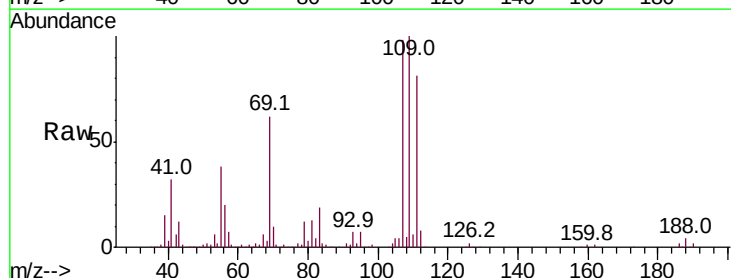
Acq: 16 Sep 2019 22:35

Tgt Ion:107 Resp: 85396

Ion Ratio Lower Upper

107 100

109 96.3 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

60000

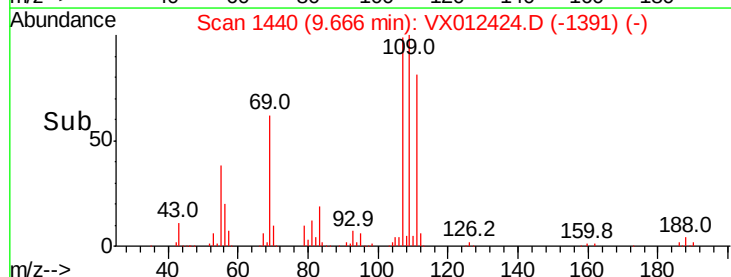
40000

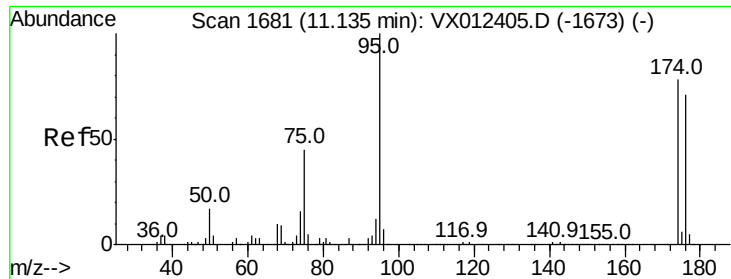
20000

0

Time-->

9.60 9.70 9.80





#62

4-Bromofluorobenzene

Concen: 49.614 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA_X

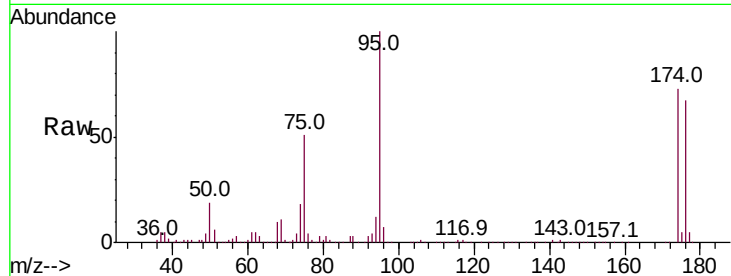
ClientSampled :

S13-0282MSD

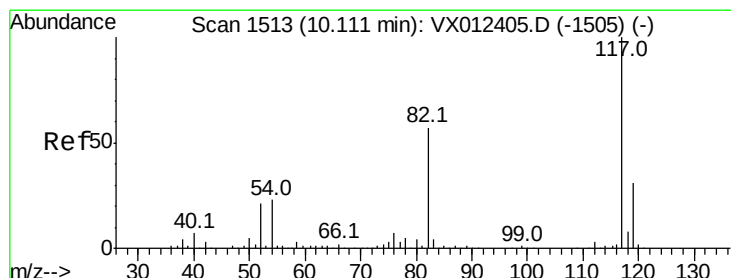
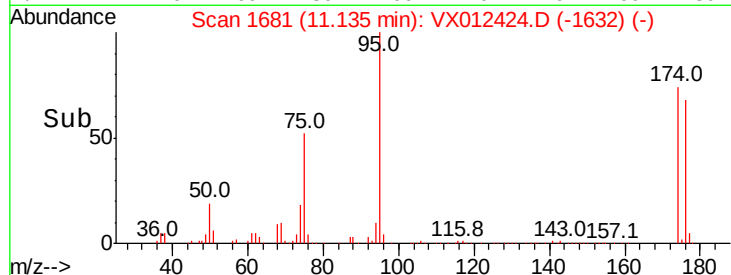
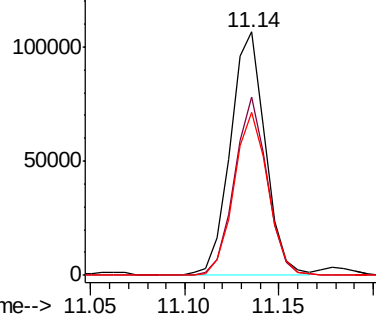
Tot Ion:	95	Resp:	135713
Ion Ratio	Lower	Upper	
95	100		
174	69.0	0.0	146.0
176	65.6	0.0	137.6

Manual Integrations
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Abundance Ion 94.90 (94.60 to 95.60): VX012405.D (-1673) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

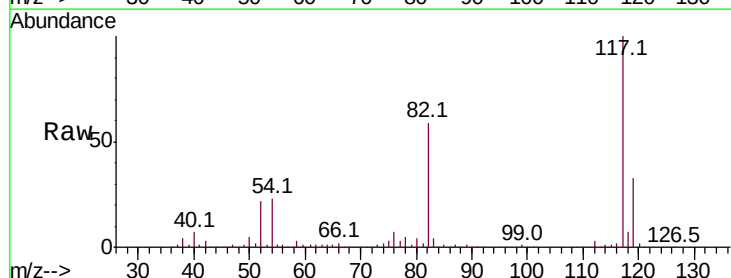
RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

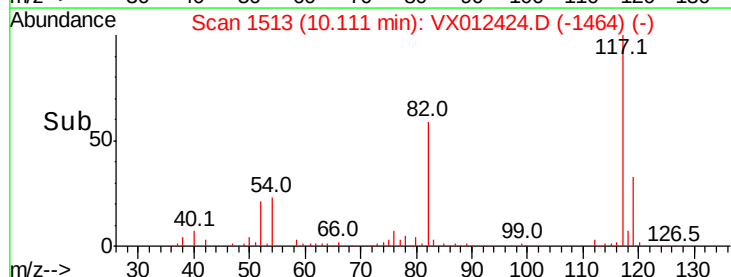
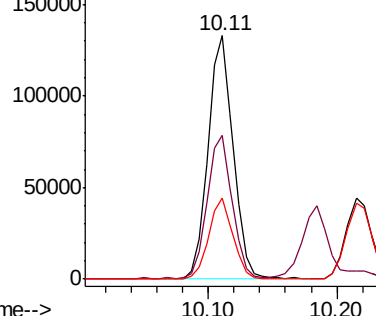
Lab File: VX012424.D

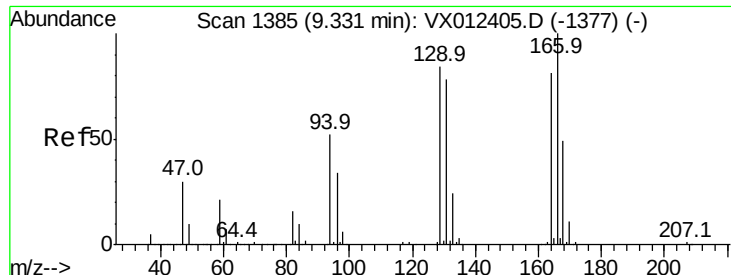
Acq: 16 Sep 2019 22:35

Tgt Ion:	117	Resp:	179201
Ion Ratio	Lower	Upper	
117	100		
82	58.6	45.8	68.6
119	33.3	24.9	37.3



Abundance Ion 116.90 (116.60 to 117.60): VX012405.D (-1505) (-)





#64

Tetrachloroethene

Concen: 45.954 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

Tot Ion:164 Resp: 54607

Ion Ratio Lower Upper

164 100

166 126.9 98.2 147.4

129 102.3 82.6 123.8

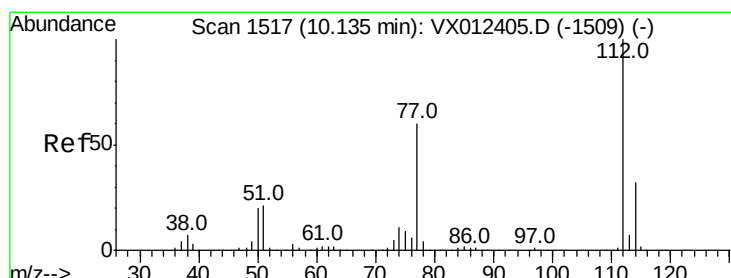
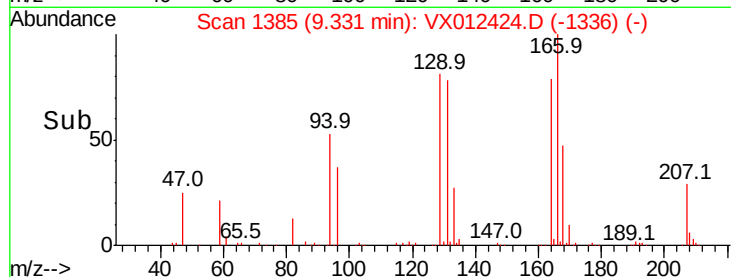
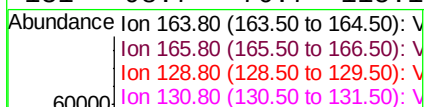
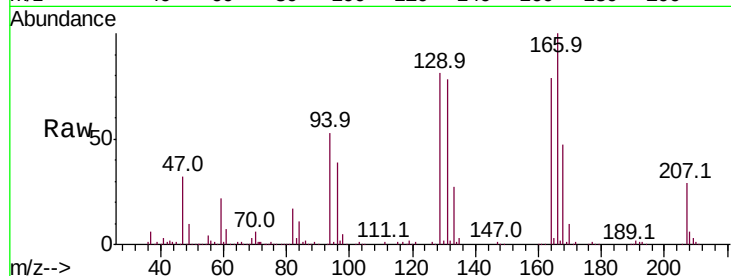
131 98.7 76.7 115.1

Manual Integrations

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#65

Chlorobenzene

Concen: 51.189 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX012424.D

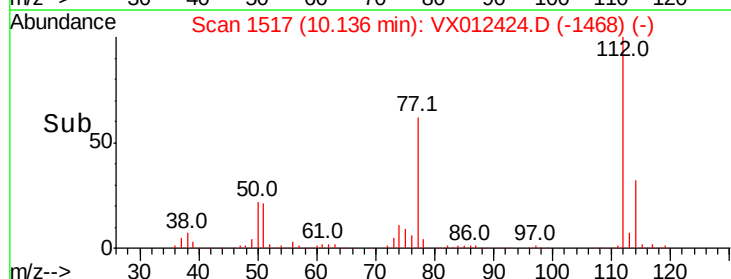
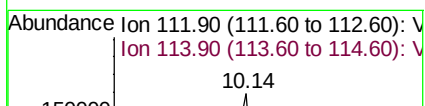
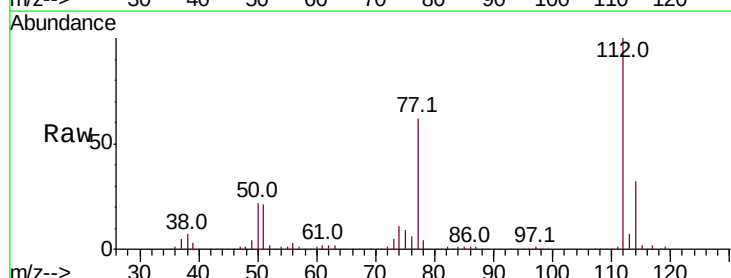
Acq: 16 Sep 2019 22:35

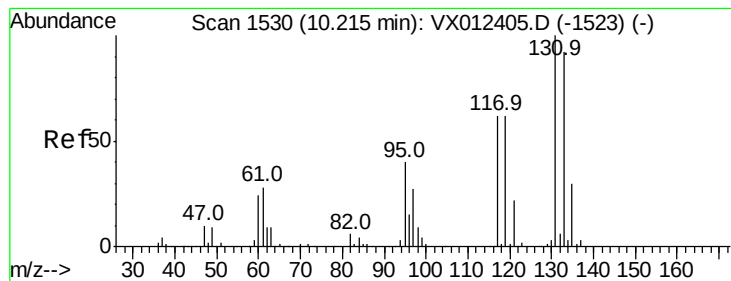
Tgt Ion:112 Resp: 214174

Ion Ratio Lower Upper

112 100

114 32.1 25.4 38.2





#66

1,1,1,2-Tetrachloroethane

Concen: 51.749 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA_X

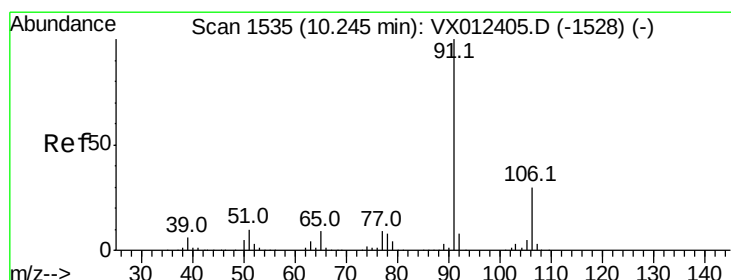
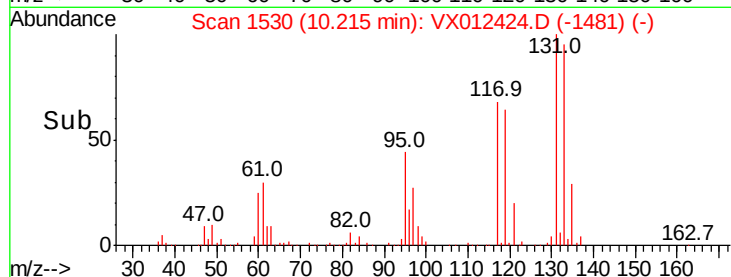
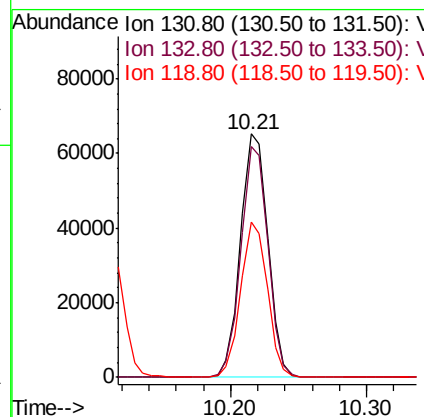
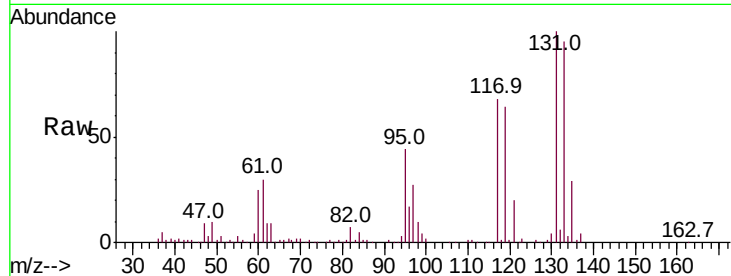
ClientSampleId :

S13-0282MSD

Tot Ion:	131	Resp:	91861
Ion Ratio	Lower	Upper	
131	100		
133	93.5	48.4	145.0
119	62.3	31.6	94.7

Manual Integrations
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#67

Ethyl Benzene

Concen: 56.527 ug/l

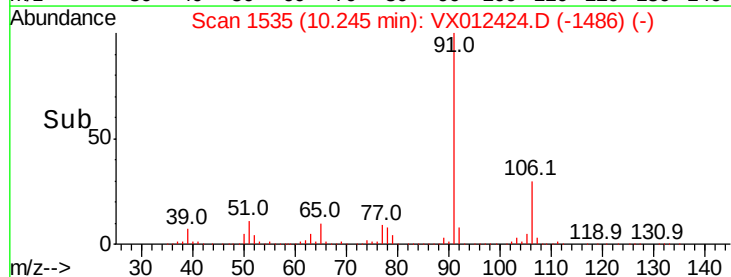
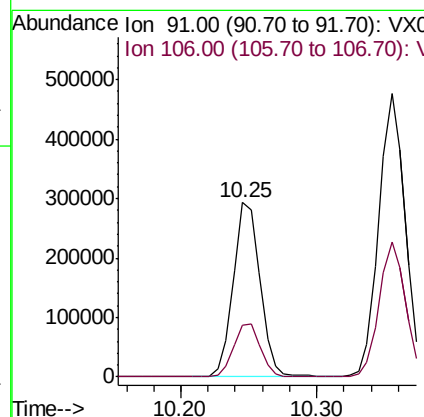
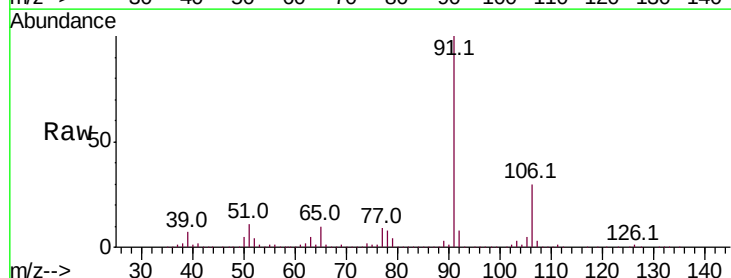
RT: 10.25 min Scan# 1535

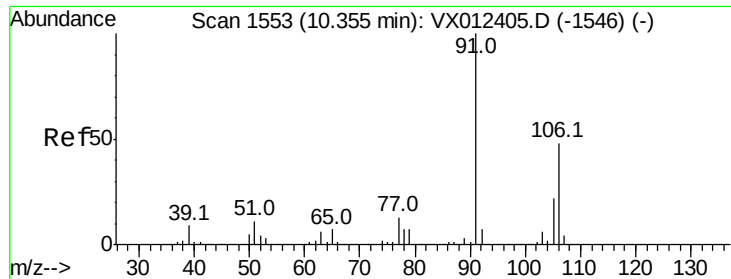
Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Tgt Ion:	91	Resp:	403624
Ion Ratio	Lower	Upper	
91	100		
106	30.0	24.0	36.0





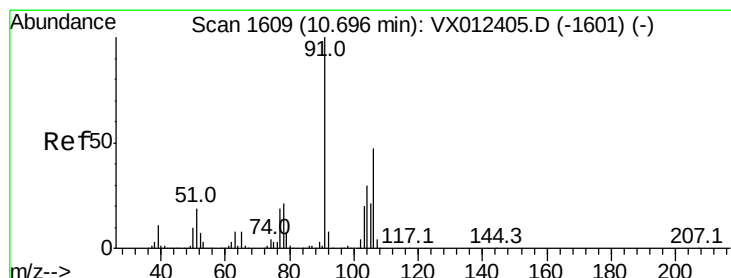
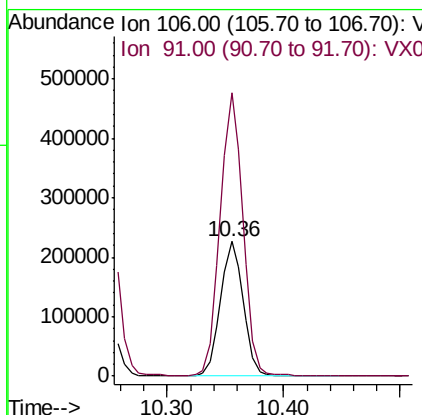
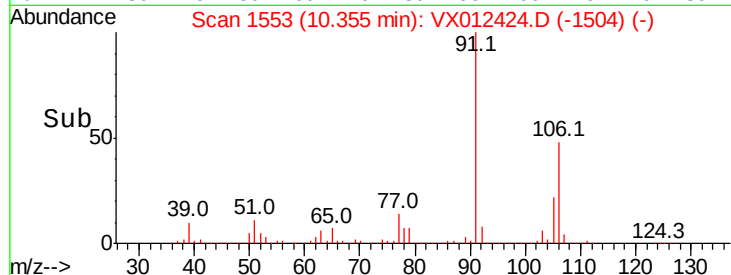
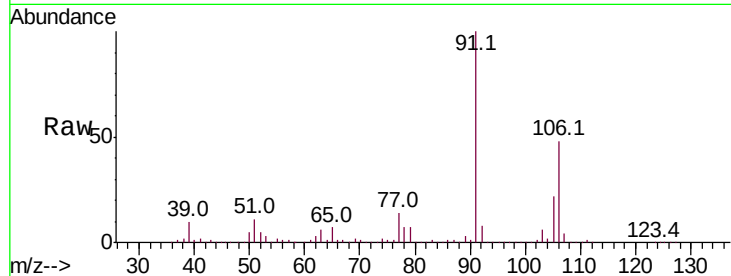
#68
m/p-Xylenes
Concen: 115.945 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012424.D
Acq: 16 Sep 2019 22:35

Instrument :
MSVOA_X
ClientSampled :
S13-0282MSD

Tot Ion:106 Resp: 305592
Ion Ratio Lower Upper
106 100
91 210.3 167.4 251.0

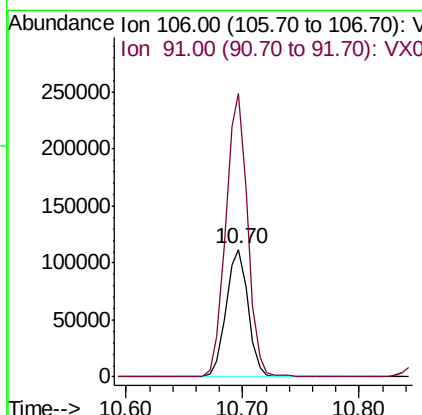
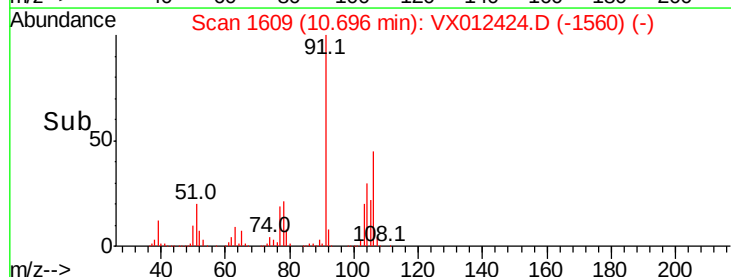
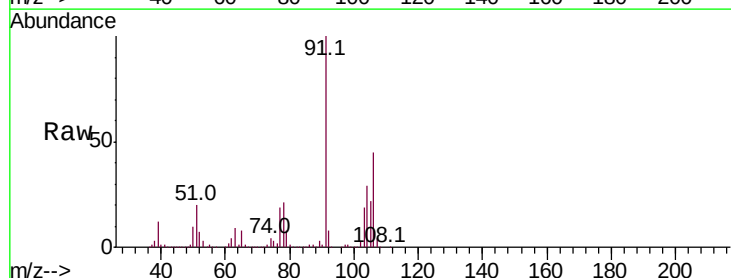
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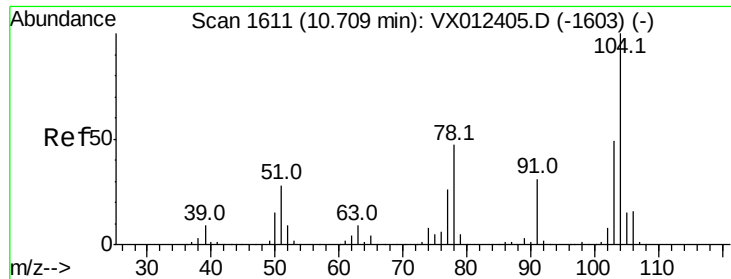
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#69
o-Xylene
Concen: 53.319 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012424.D
Acq: 16 Sep 2019 22:35

Tgt Ion:106 Resp: 145731
Ion Ratio Lower Upper
106 100
91 221.2 107.8 323.6





#70

Stvrene

Concen: 53.539 ug/l

RT: 10.71 min Scan# 1611

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA_X

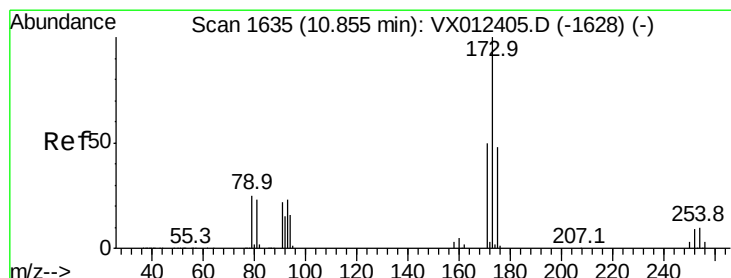
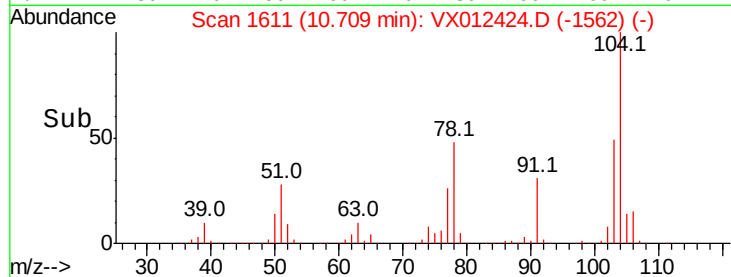
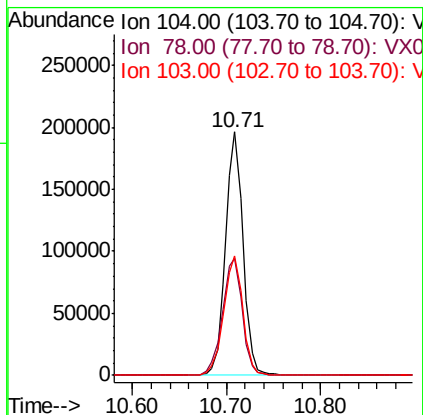
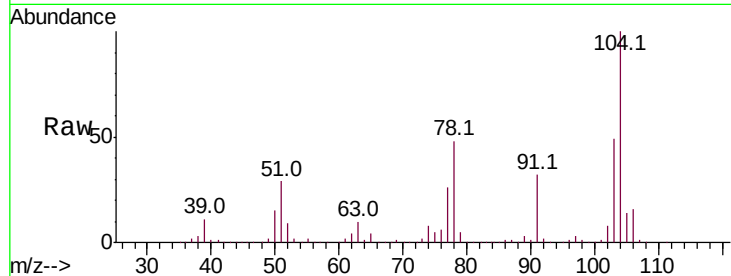
ClientSampled :

S13-0282MSD

Tot Ion:	104	Resp:	253904
Ion Ratio	Lower	Upper	
104	100		
78	54.6	42.3	63.5
103	53.6	42.9	64.3

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#71

Bromoform

Concen: 44.523 ug/l

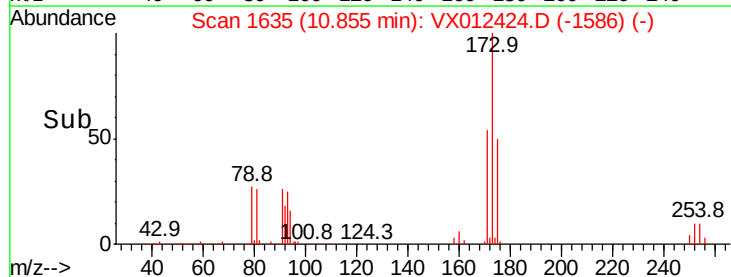
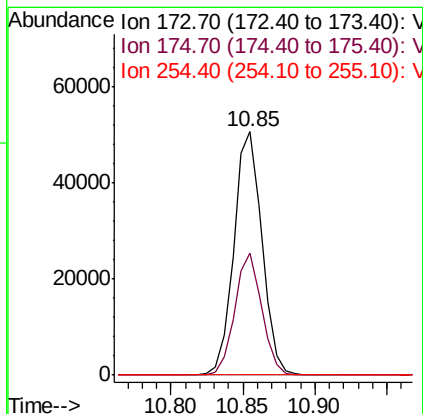
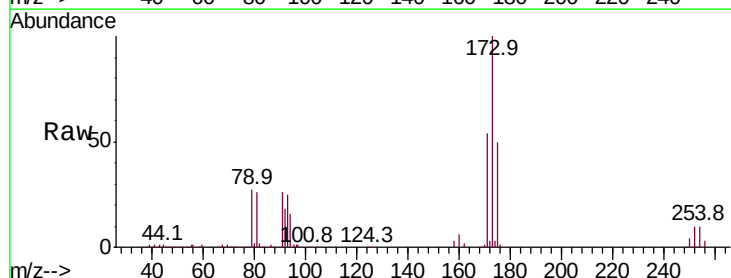
RT: 10.85 min Scan# 1635

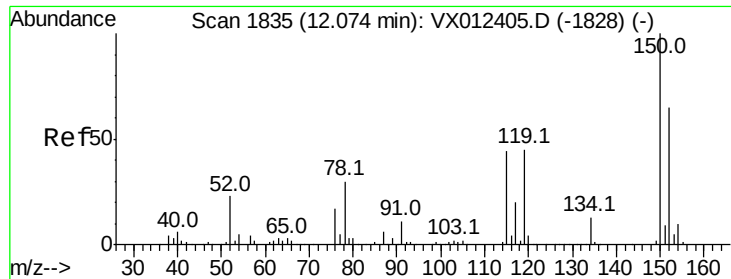
Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Tgt Ion:	173	Resp:	68738
Ion Ratio	Lower	Upper	
173	100		
175	48.4	24.3	73.0
254	0.0	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: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA_X

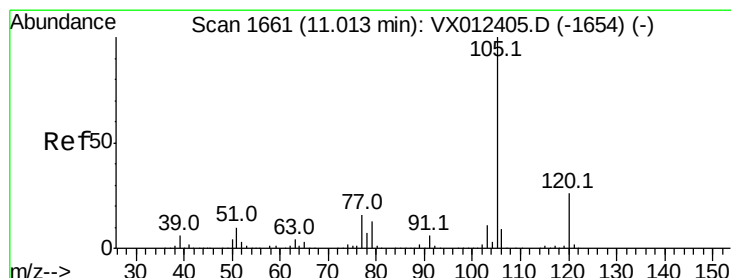
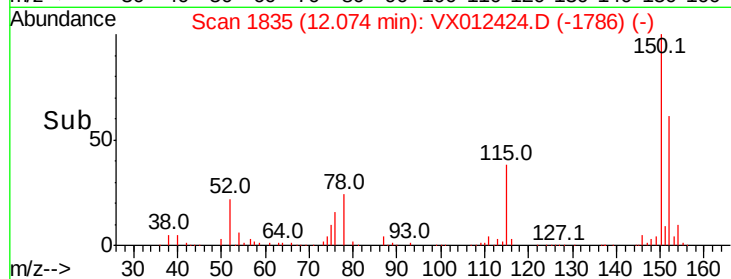
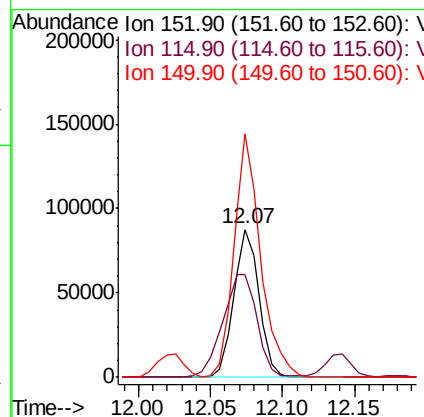
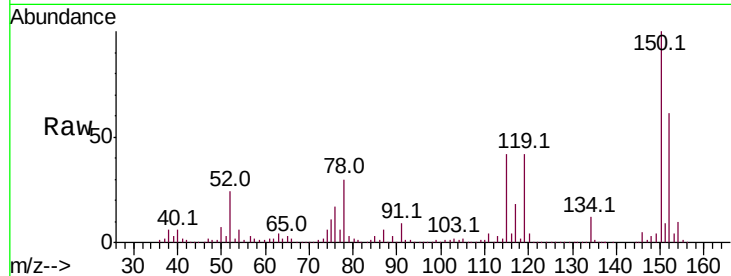
ClientSampleId :

S13-0282MSD

Tot Ion:	152	Resp:	107644
Ion Ratio	Lower	Upper	
152	100		
115	94.9	45.3	135.9
150	173.6	0.0	354.0

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#73

Isopropylbenzene

Concen: 130.239 ug/l

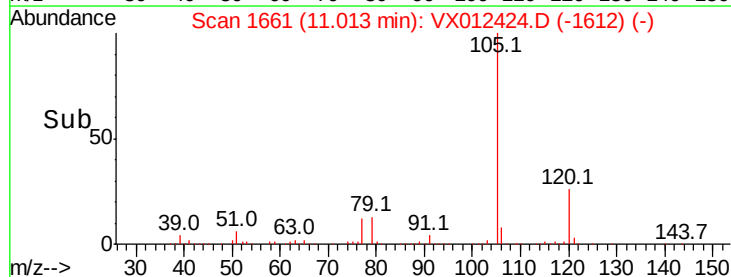
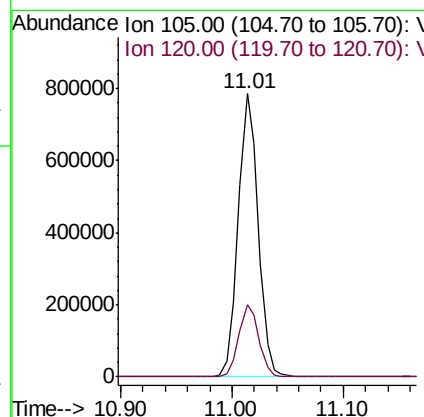
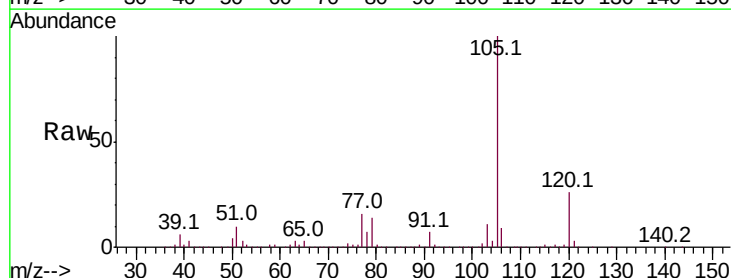
RT: 11.01 min Scan# 1661

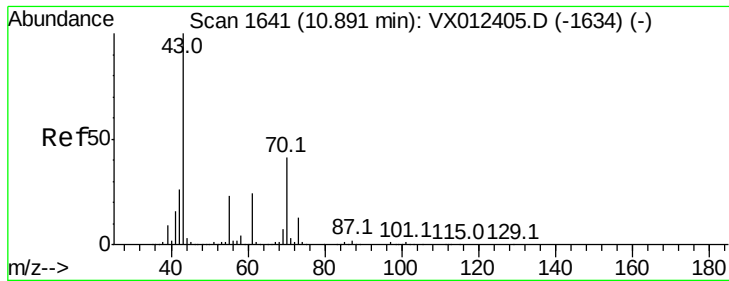
Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Tgt Ion:	105	Resp:	973996
Ion Ratio	Lower	Upper	
105	100		
120	25.6	13.2	39.6





#74

N-amvl acetate

Concen: 55.404 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

Tot Ion: 43 Resp: 219637

Ion Ratio Lower Upper

43 100

70 39.6 32.7 49.1

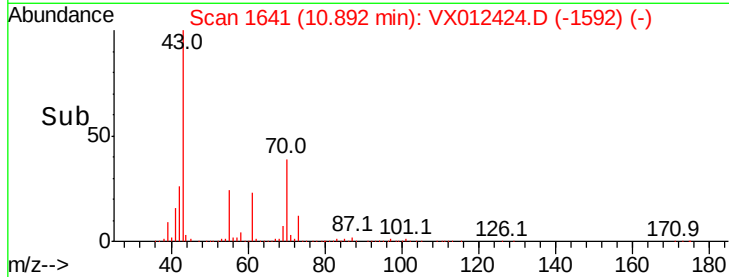
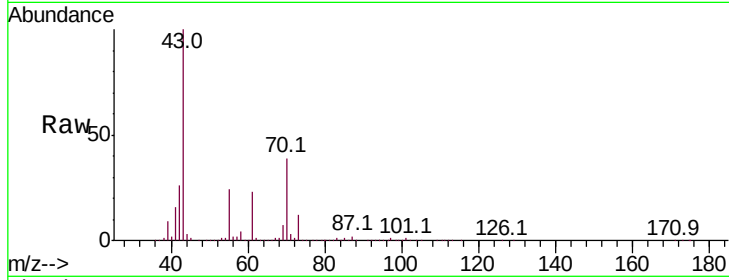
55 26.3 18.9 28.3

61 22.7 19.0 28.4

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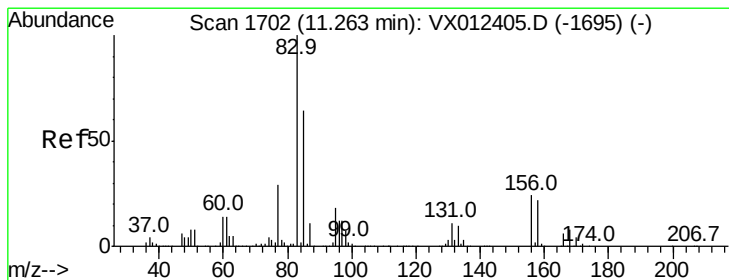
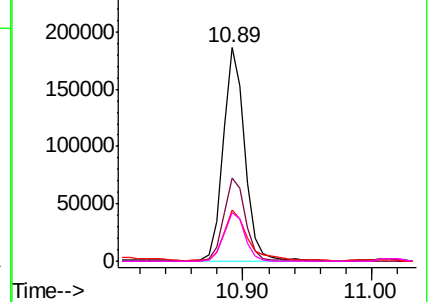


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 51.718 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

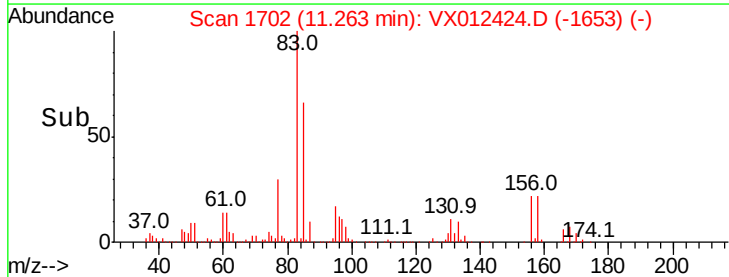
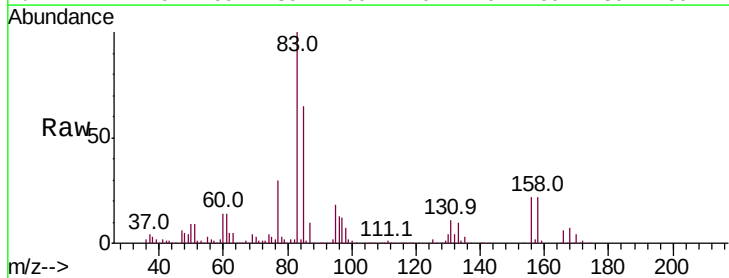
Tgt Ion: 83 Resp: 155094

Ion Ratio Lower Upper

83 100

131 10.5 5.5 16.4

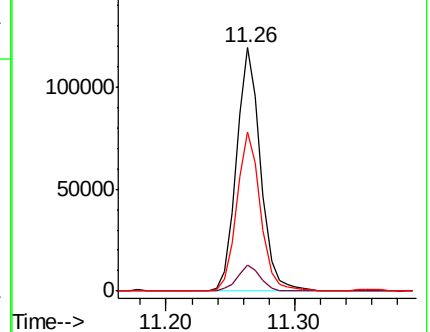
85 65.0 32.9 98.7

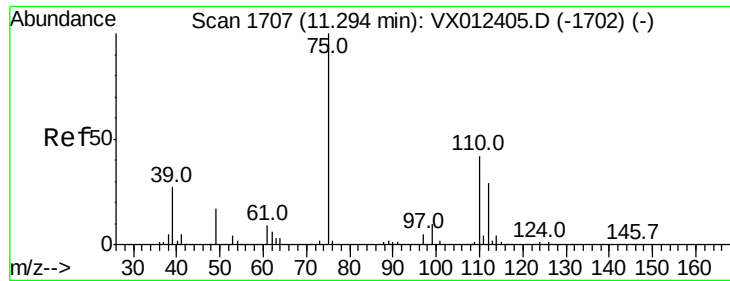


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





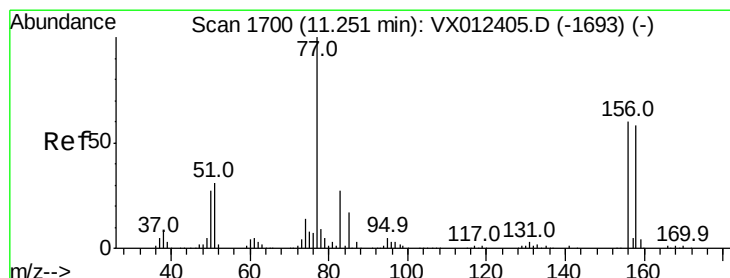
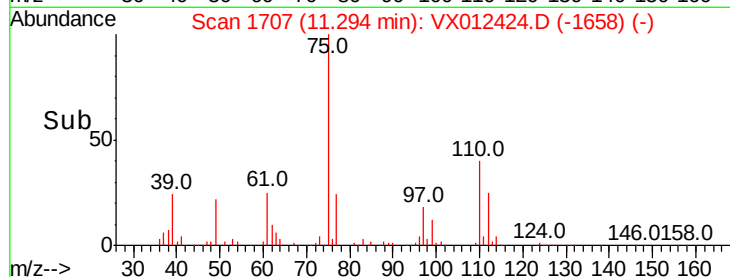
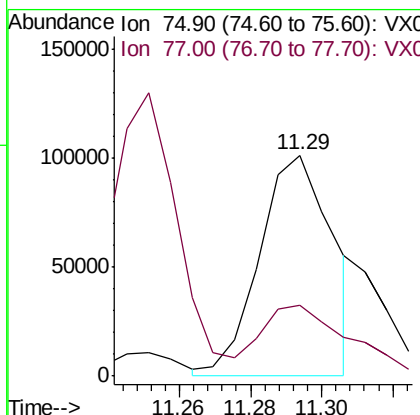
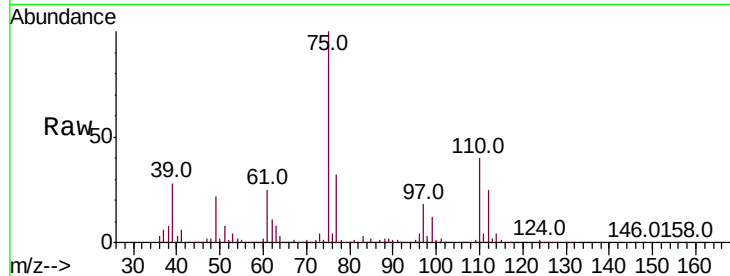
#76
 1,2,3-Trichloropropane
 Concen: 51.815 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX012424.D
 Acq: 16 Sep 2019 22:35

Instrument :
 MSVOA_X
 ClientSampled :
 S13-0282MSD

Tot Ion: 75 Resp: 144184
 Ion Ratio Lower Upper
 75 100
 77 38.4 19.4 58.2

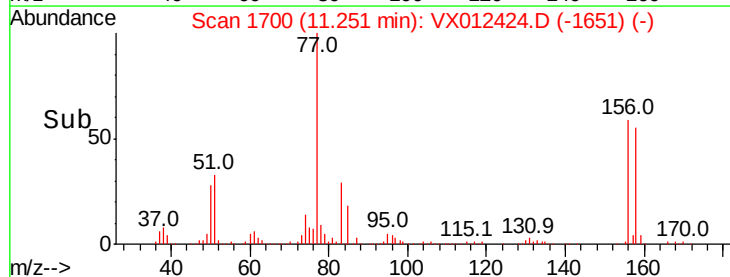
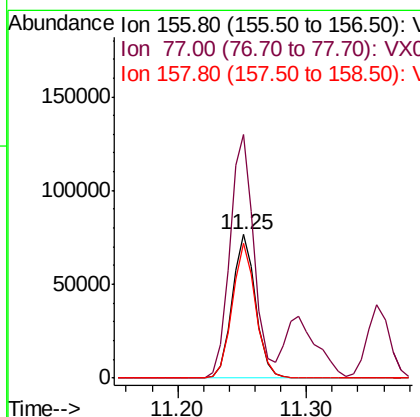
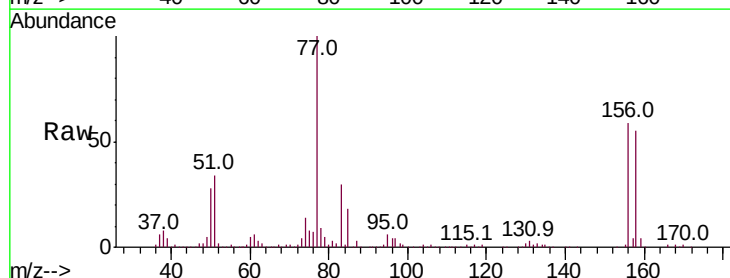
Manual Integrations
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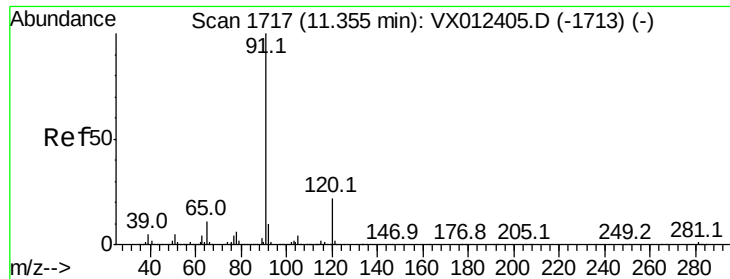
MMDadoda
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#77
 Bromobenzene
 Concen: 50.267 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VX012424.D
 Acq: 16 Sep 2019 22:35

Tgt Ion: 156 Resp: 96794
 Ion Ratio Lower Upper
 156 100
 77 175.4 84.8 254.3
 158 94.4 47.9 143.6





#78

n-propylbenzene

Concen: 129.150 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampled :

S13-0282MSD

Tot Ion: 91 Resp: 1091563

Ion Ratio Lower Upper

91 100

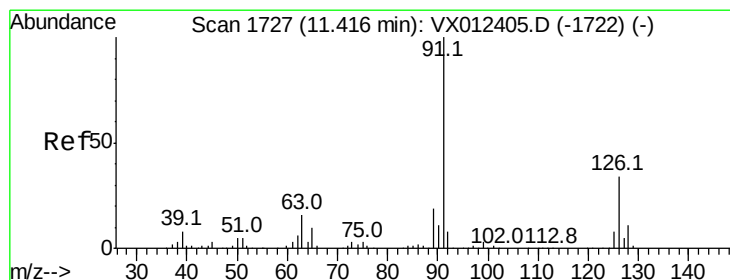
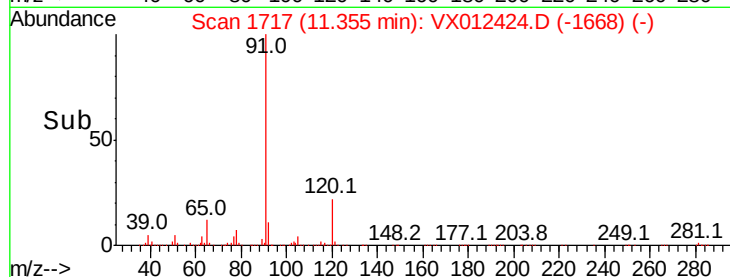
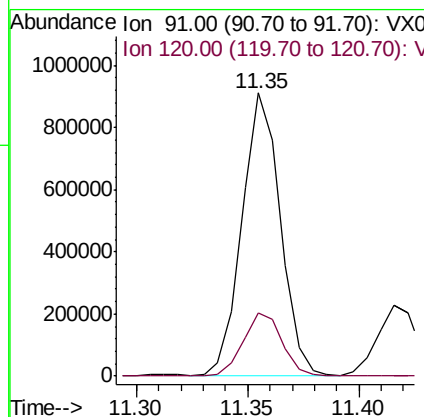
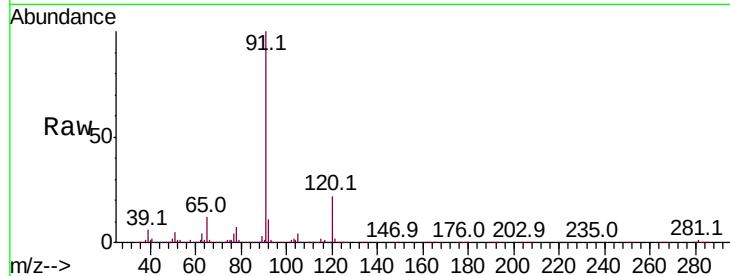
120 22.9 11.5 34.4

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#79

2-Chlorotoluene

Concen: 53.654 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012424.D

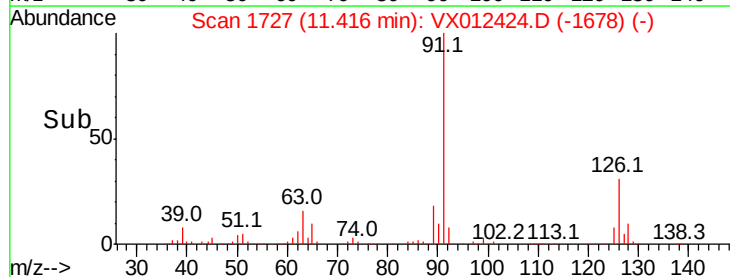
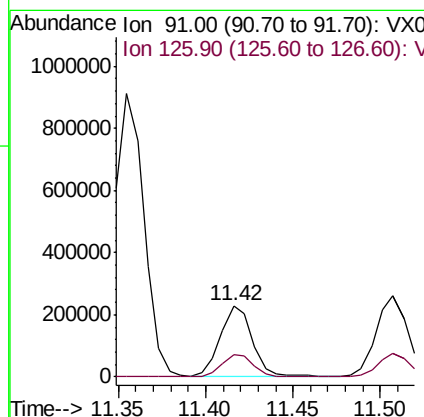
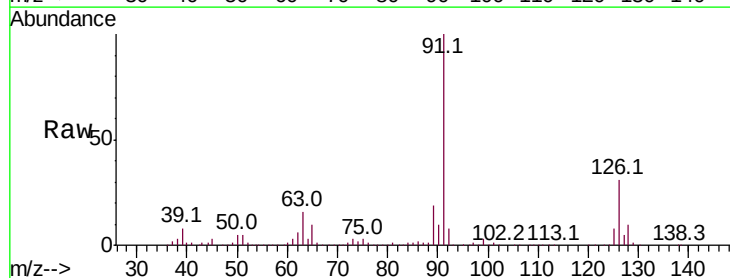
Acq: 16 Sep 2019 22:35

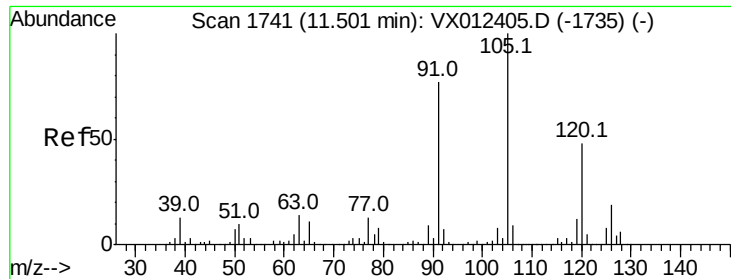
Tgt Ion: 91 Resp: 291115

Ion Ratio Lower Upper

91 100

126 30.9 16.4 49.2





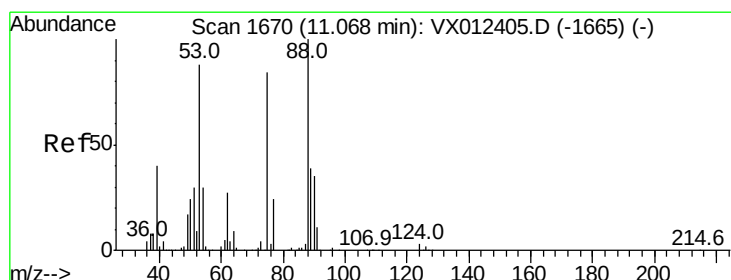
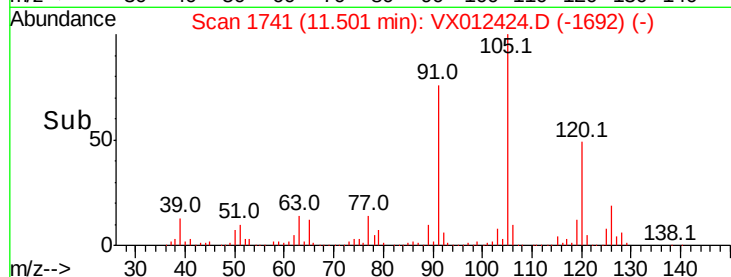
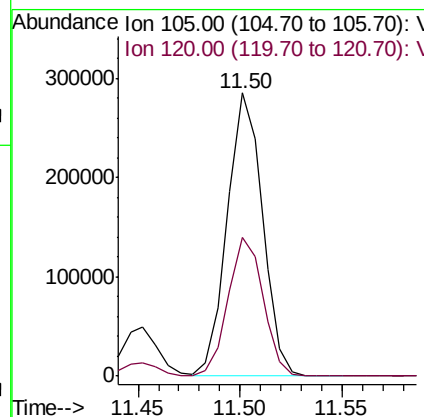
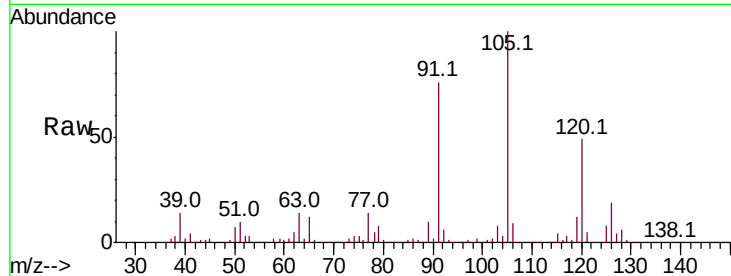
#80
 1,3,5-Trimethylbenzene
 Concen: 52.350 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012424.D
 Acq: 16 Sep 2019 22:35

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.3	72.9

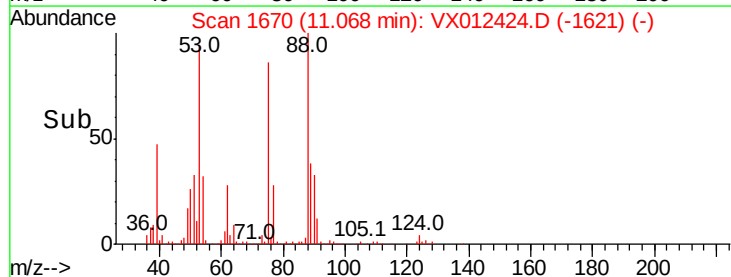
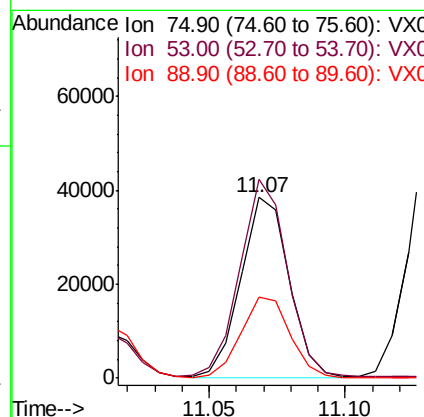
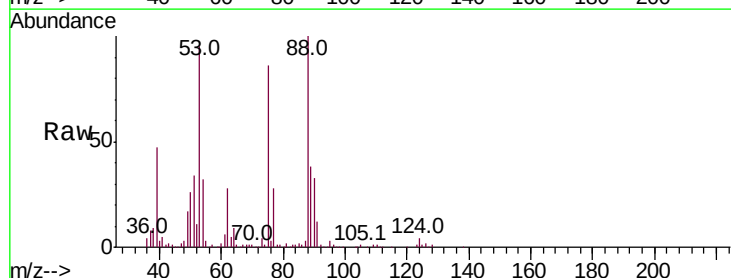
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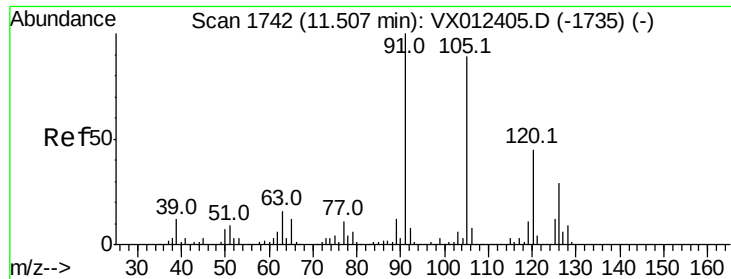
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 48.271 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VX012424.D
 Acq: 16 Sep 2019 22:35

Tgt Ion	Ratio	Lower	Upper
75	100		
53	108.8	84.6	127.0
89	46.1	38.8	58.2





#82

4-Chlorotoluene

Concen: 51.829 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

Tot Ion: 91 Resp: 327936

Ion Ratio Lower Upper

91 100

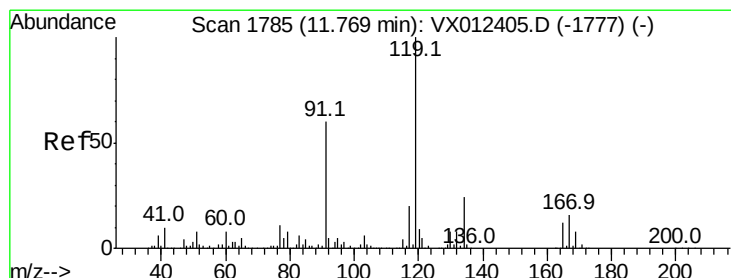
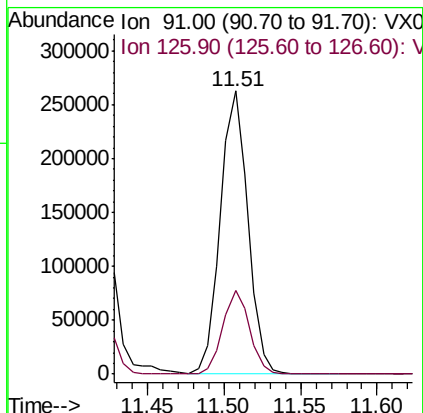
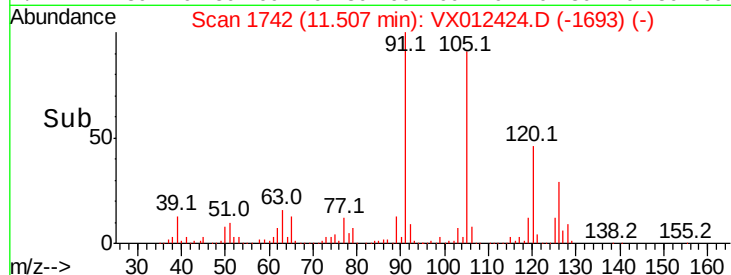
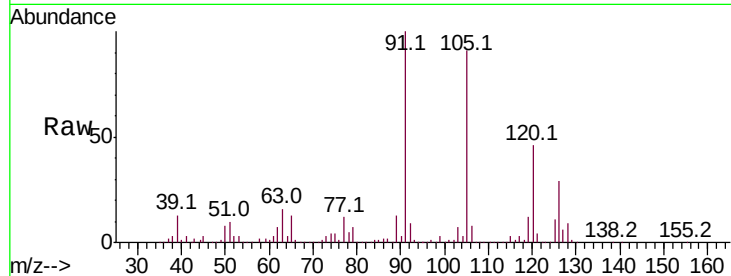
126 28.5 14.1 42.3

Manual Integrations

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#83

tert-Butylbenzene

Concen: 55.043 ug/l

RT: 11.77 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

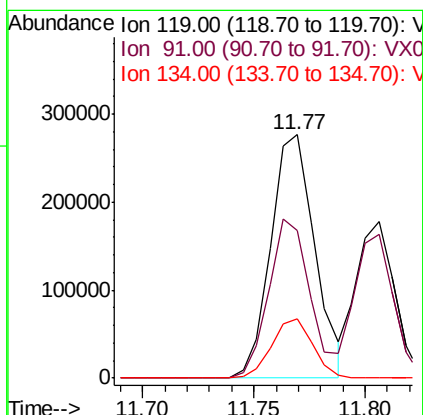
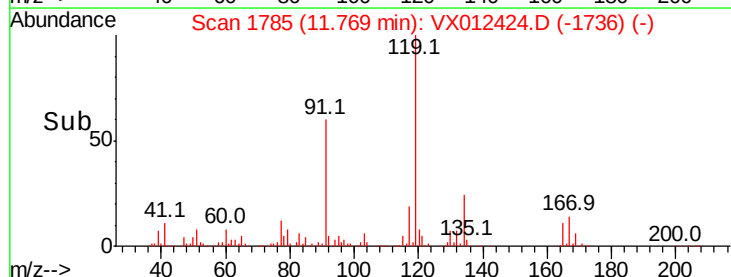
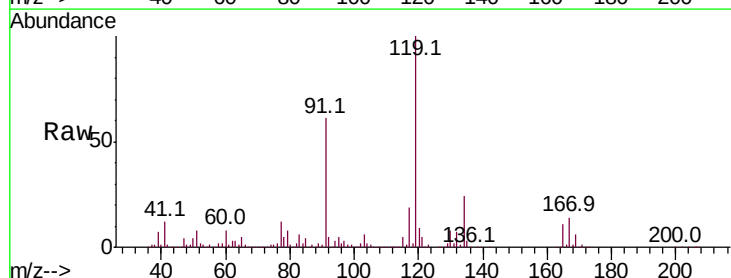
Tgt Ion: 119 Resp: 380206

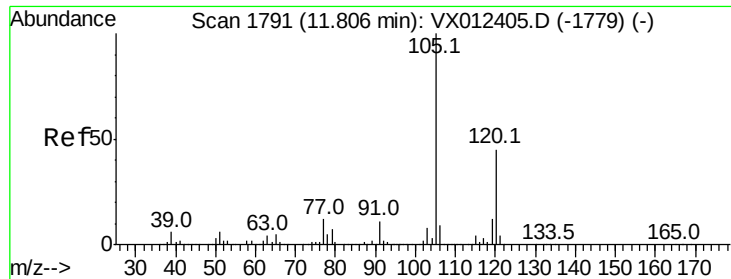
Ion Ratio Lower Upper

119 100

91 62.0 29.6 88.8

134 22.8 11.4 34.1





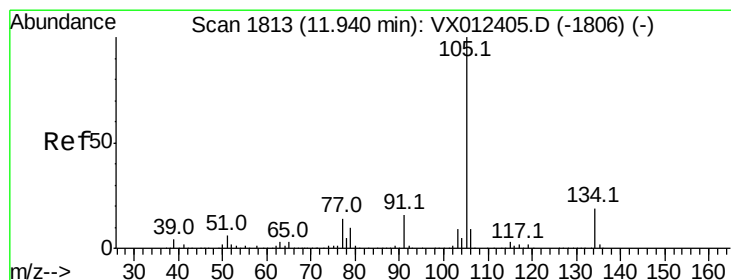
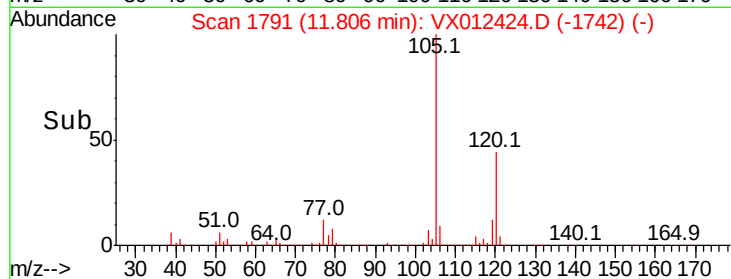
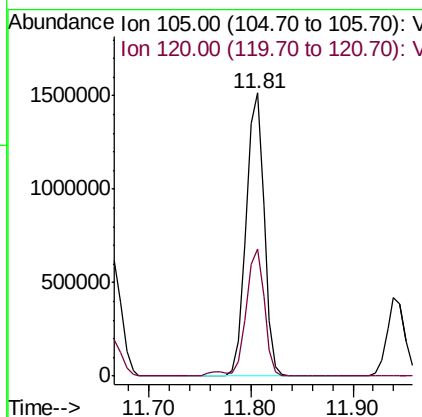
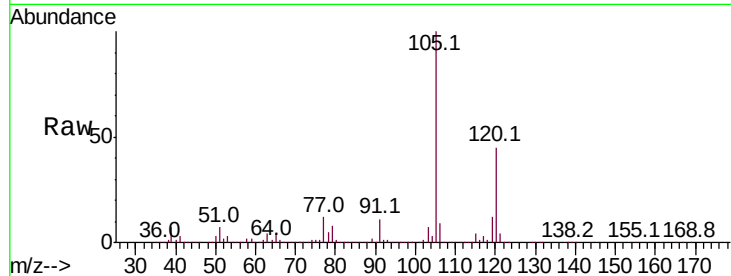
#84
 1,2,4-Trimethylbenzene
 Concen: 280.527 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX012424.D
 Acq: 16 Sep 2019 22:35

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MSD

Tot Ion:105 Resp: 1853682
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.1 66.5

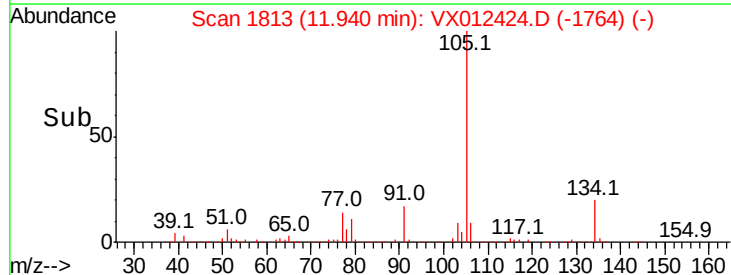
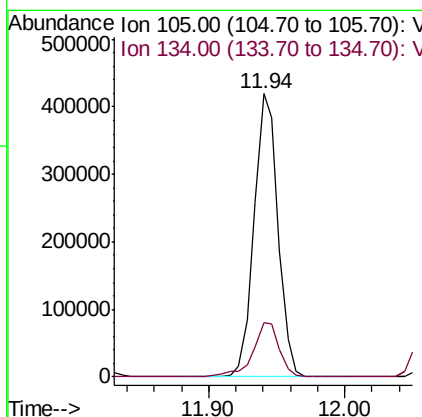
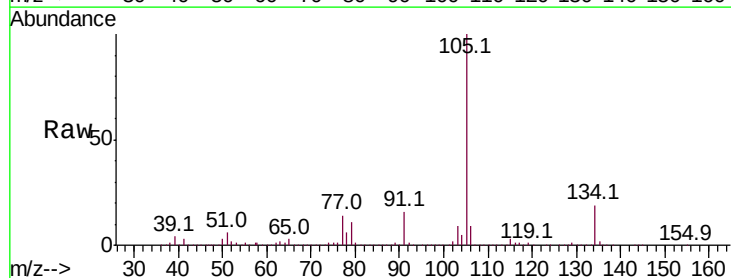
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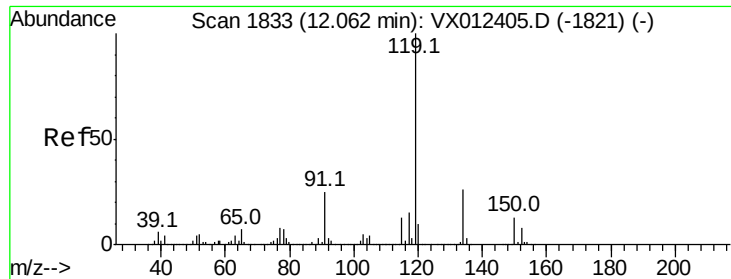
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#85
 sec-Butylbenzene
 Concen: 67.748 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX012424.D
 Acq: 16 Sep 2019 22:35

Tgt Ion:105 Resp: 517367
 Ion Ratio Lower Upper
 105 100
 134 21.5 10.1 30.1





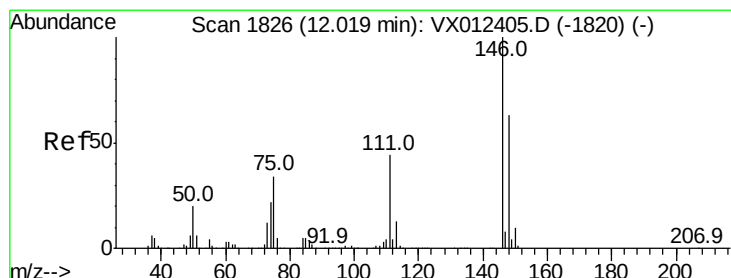
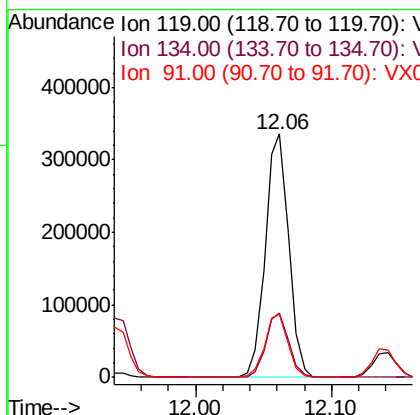
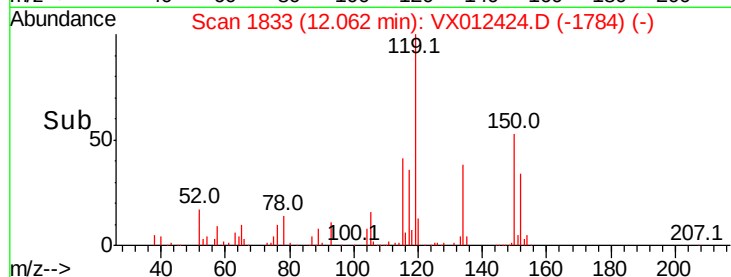
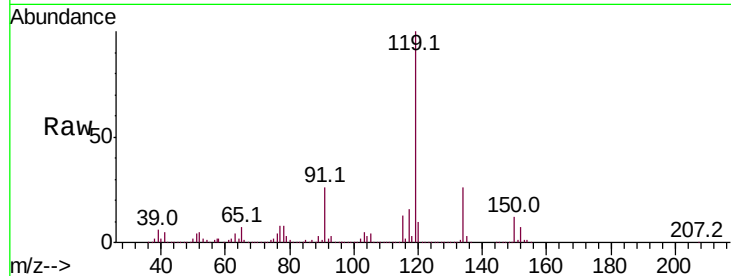
#86
p-Isopropyltoluene
Concen: 58.151 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX012424.D
Acq: 16 Sep 2019 22:35

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	406852		
134	25.8		12.9	38.6
91	25.6		12.9	38.6

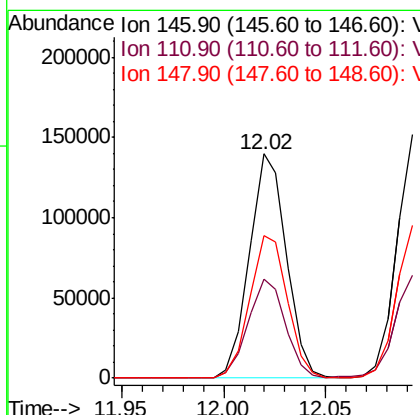
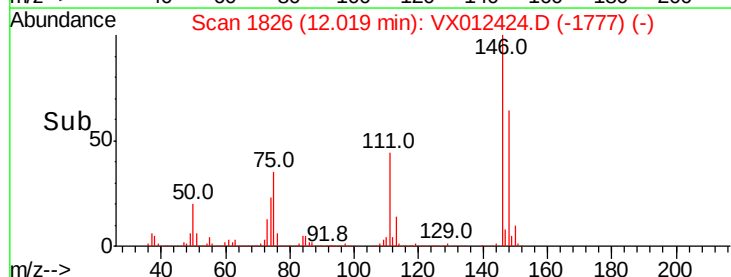
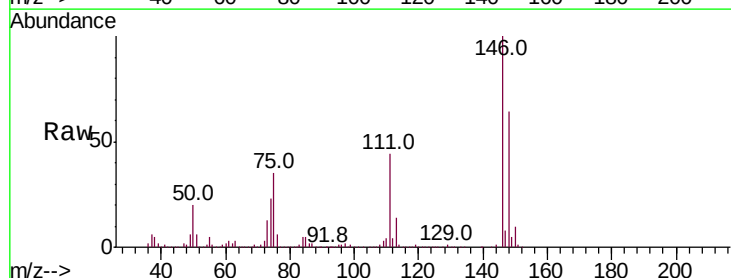
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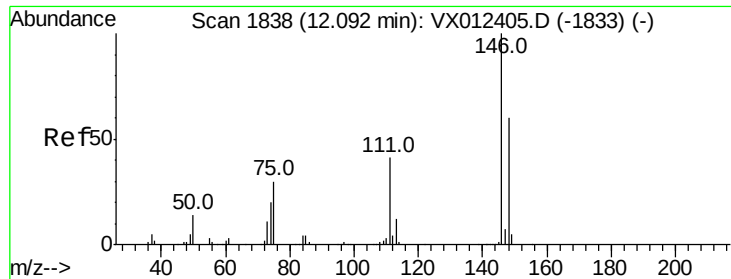
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#87
1,3-Dichlorobenzene
Concen: 49.017 ug/l
RT: 12.02 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VX012424.D
Acq: 16 Sep 2019 22:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	176690		
111	44.0		21.3	64.0
148	64.6		31.6	94.8





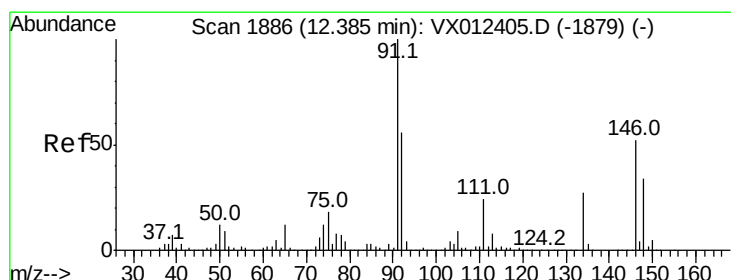
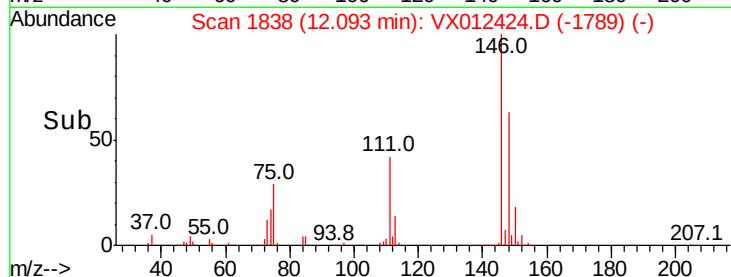
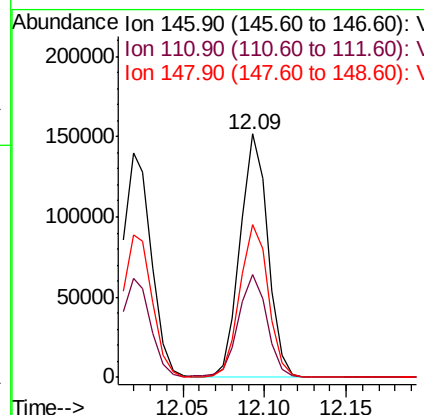
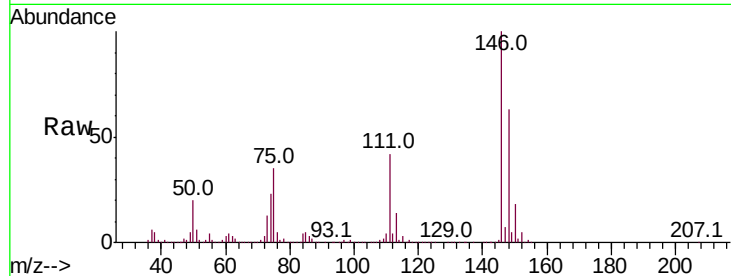
#88
 1,4-Dichlorobenzene
 Concen: 49.242 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012424.D
 Acq: 16 Sep 2019 22:35

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	179523		
111	43.7	20.6	61.9	
148	64.3	31.6	94.8	

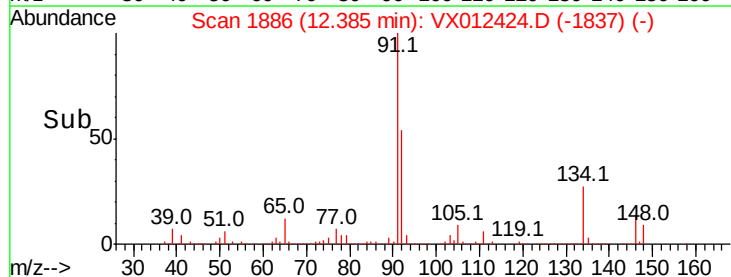
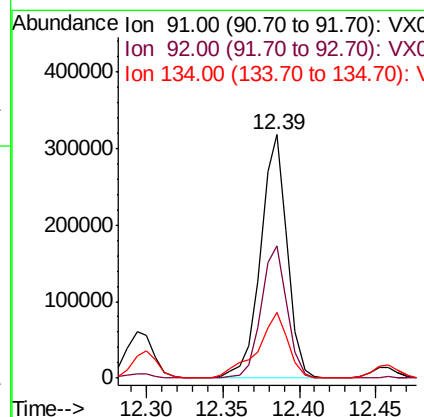
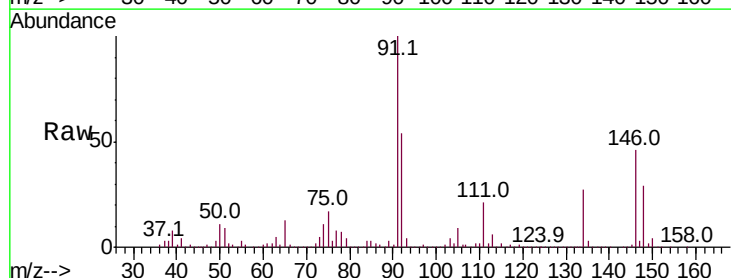
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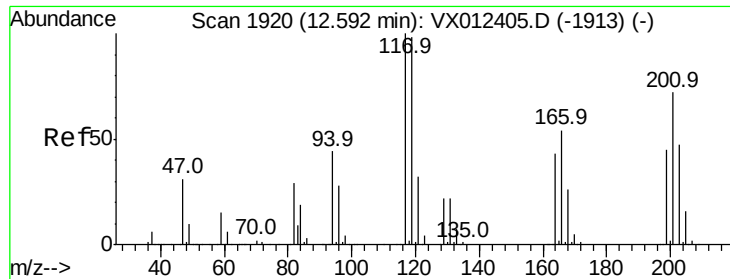
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#89
 n-Butylbenzene
 Concen: 61.985 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012424.D
 Acq: 16 Sep 2019 22:35

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	382978		
92	53.1	27.5	82.4	
134	31.2	13.2	39.6	





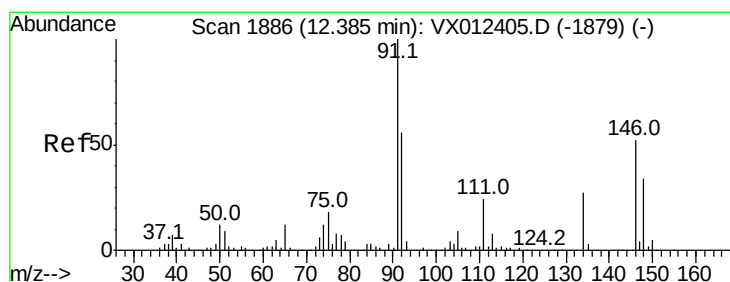
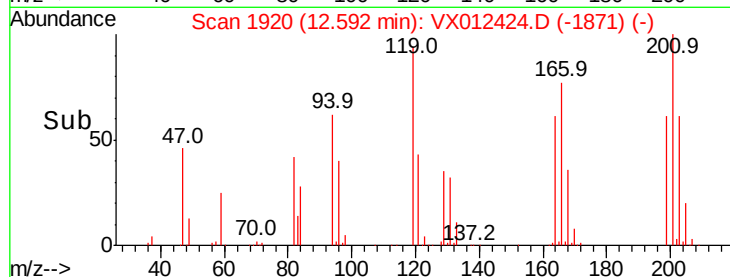
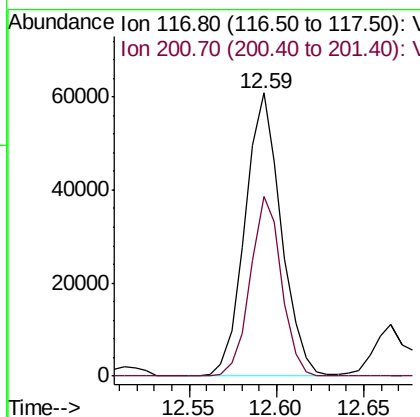
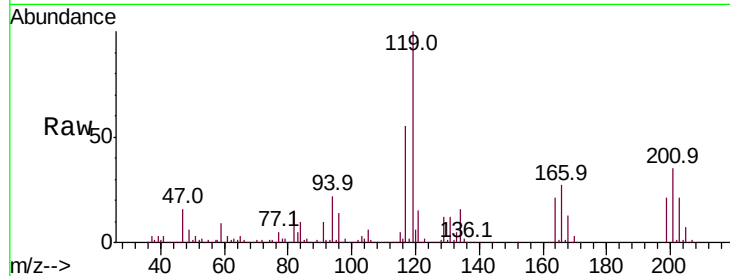
#90
Hexachloroethane
Concen: 64.572 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012424.D
Acq: 16 Sep 2019 22:35

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

Tot Ion:117 Resp: 87339
Ion Ratio Lower Upper
117 100
201 54.7 35.2 105.6

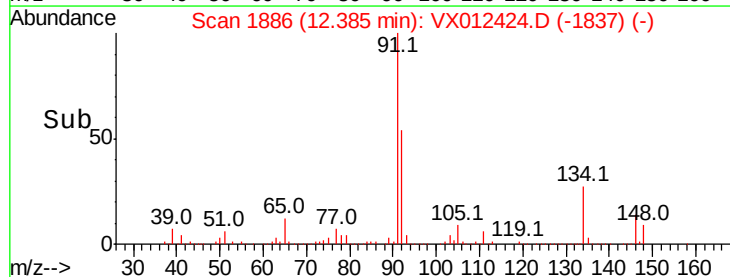
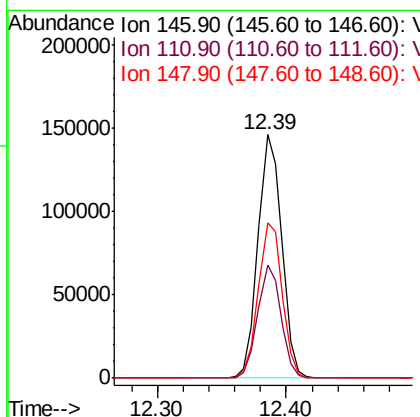
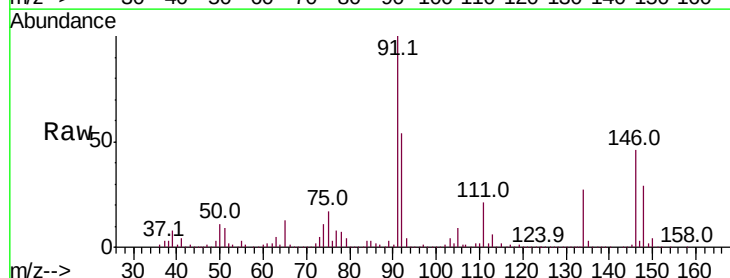
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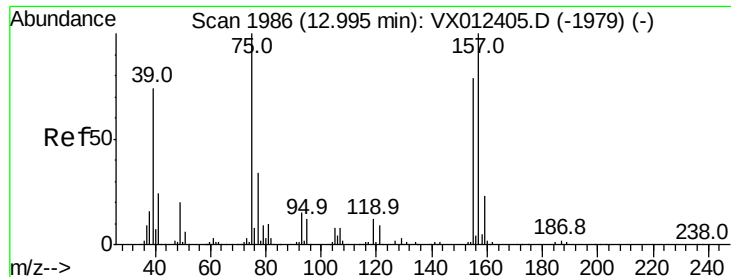
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#91
1,2-Dichlorobenzene
Concen: 49.982 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012424.D
Acq: 16 Sep 2019 22:35

Tgt Ion:146 Resp: 184430
Ion Ratio Lower Upper
146 100
111 46.0 22.3 66.9
148 64.4 32.0 96.0





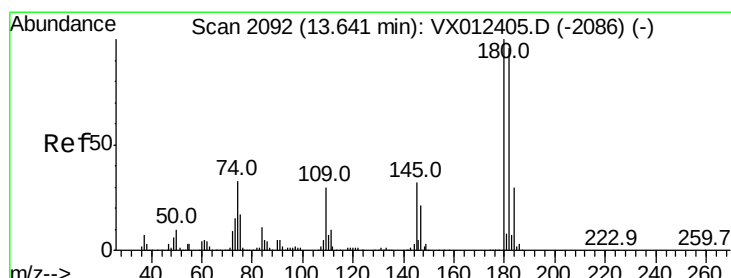
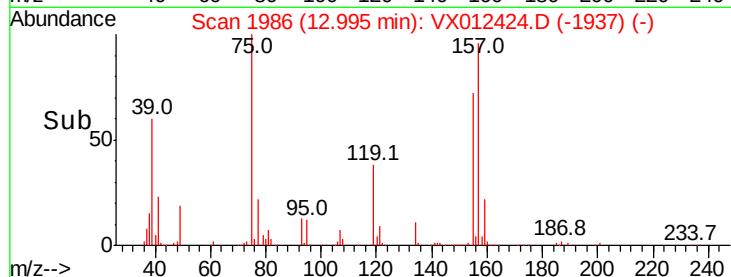
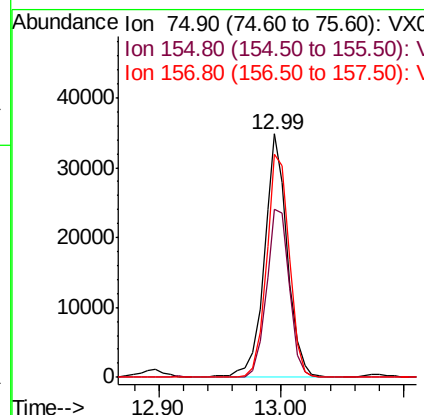
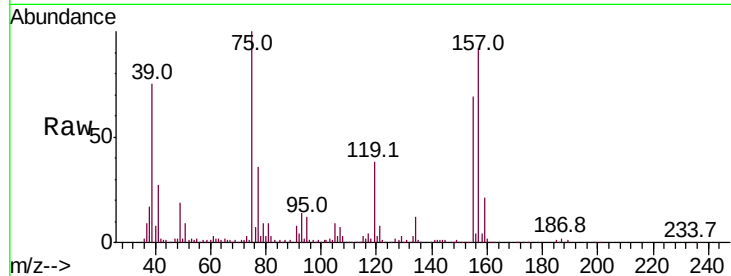
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.433 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012424.D
 Acq: 16 Sep 2019 22:35

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	68.6	39.8	119.4
157	89.8	50.0	150.1

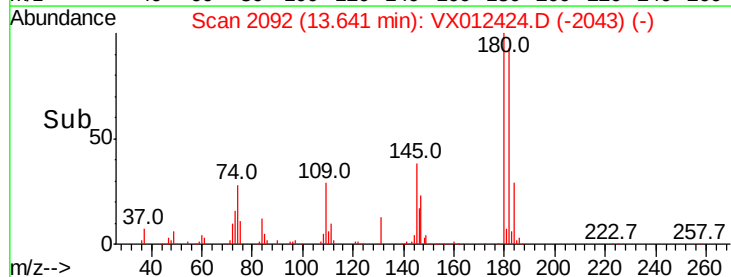
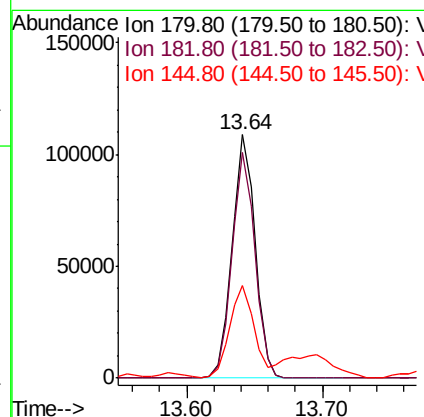
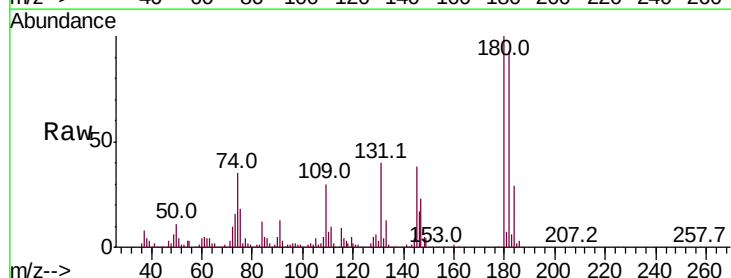
Manual Integrations
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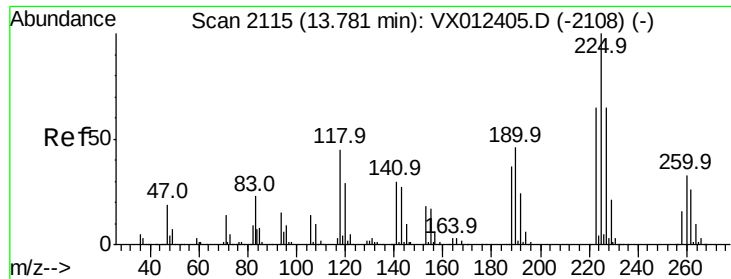
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#93
 1,2,4-Trichlorobenzene
 Concen: 51.633 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012424.D
 Acq: 16 Sep 2019 22:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.8	48.1	144.4
145	41.7	16.6	49.7





#94

Hexachlorobutadiene

Concen: 48.269 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. -0.01 min

Lab File: VX012424.D

Acq: 16 Sep 2019 22:35

Instrument :

MSVOA_X

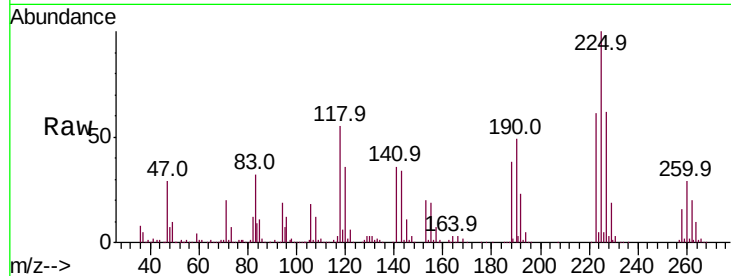
ClientSampleId :

S13-0282MSD

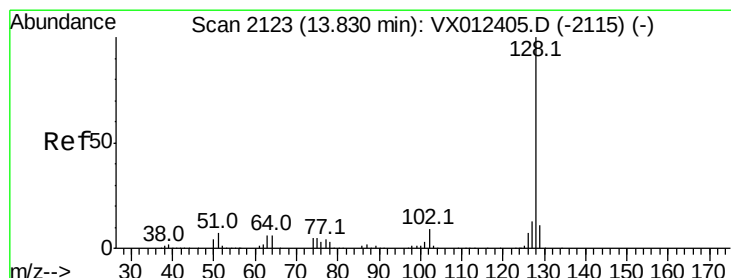
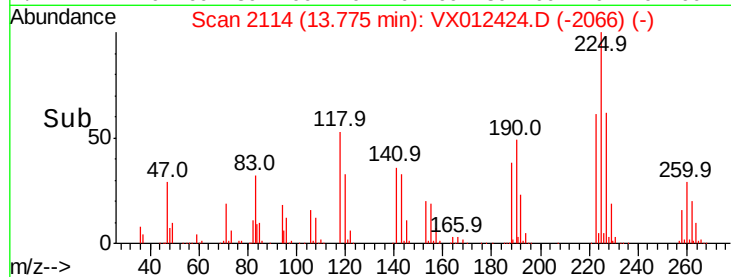
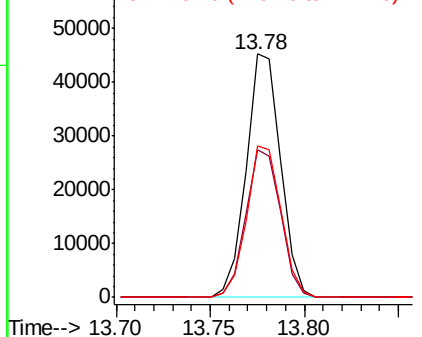
Tot Ion:	225	Resp:	57389
Ion Ratio	Lower	Upper	
225	100		
223	61.1	32.0	96.0
227	62.3	32.8	98.3

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



#95

Naphthalene

Concen: 89.155 ug/l

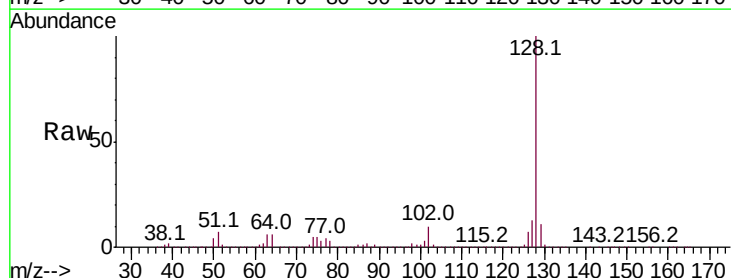
RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

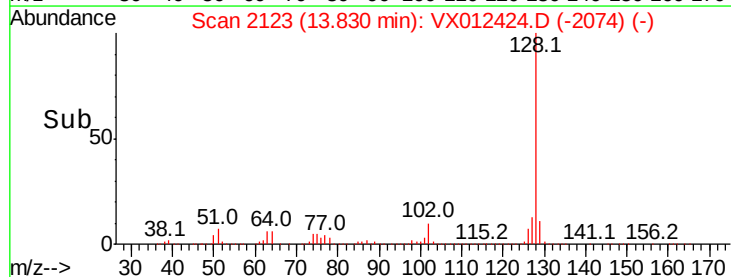
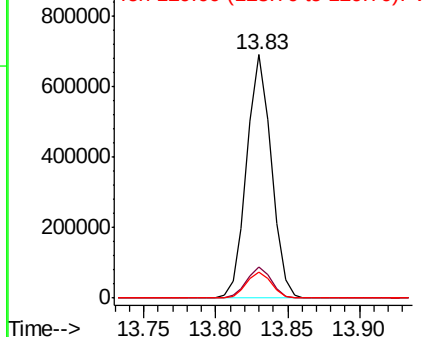
Lab File: VX012424.D

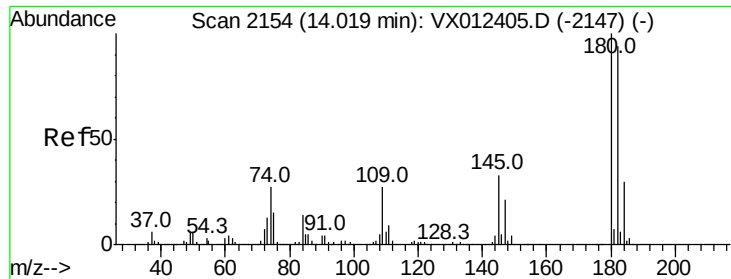
Acq: 16 Sep 2019 22:35

Tgt Ion:	128	Resp:	815198
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.4
129	11.3	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





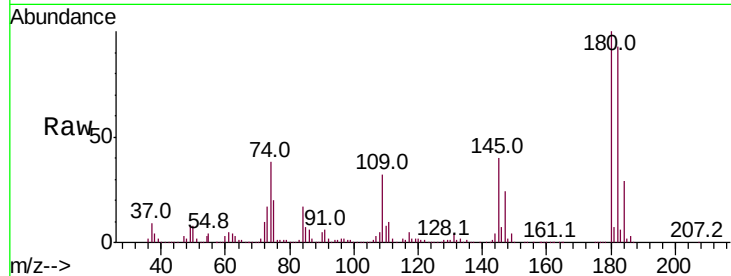
#96
 1,2,3-Trichlorobenzene
 Concen: 52.278 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. -0.01 min
 Lab File: VX012424.D
 Acq: 16 Sep 2019 22:35

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MSD

Tot Ion:	180	Resp:	128737
Ion Ratio	Lower	Upper	
180	100		
182	94.8	46.9	140.8
145	42.9	17.6	52.9

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 12:02:57 PM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

