

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051119\
 Data File : VX009513.D
 Acq On : 11 May 2019 10:14
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 5/13/2019 4:26:54 PM

Quant Time: May 12 02:07:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	180625	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	281562	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	254480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133699	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	119987	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
35) Dibromofluoromethane	5.49	113	89535	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
50) Toluene-d8	8.71	98	358589	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
62) 4-Bromofluorobenzene	11.13	95	134670	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	76865	46.179	ug/l	100
3) Chloromethane	1.32	50	109615	48.236	ug/l	100
4) Vinyl Chloride	1.41	62	110902	50.048	ug/l	96
5) Bromomethane	1.64	94	69728	52.426	ug/l	99
6) Chloroethane	1.71	64	68094	47.862	ug/l	97
7) Trichlorofluoromethane	1.92	101	140264	52.073	ug/l	98
8) Diethyl Ether	2.18	74	63063	49.426	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	88831	52.517	ug/l	99
10) Methyl Iodide	2.51	142	103447	52.394	ug/l	99
11) Tert butyl alcohol	3.05	59	141195	247.381	ug/l	100
12) 1,1-Dichloroethene	2.37	96	87105	51.396	ug/l	97
13) Acrolein	2.29	56	122214	236.437	ug/l	100
14) Allyl chloride	2.73	41	207098	50.142	ug/l	99
15) Acrylonitrile	3.14	53	332964	238.590	ug/l	99
16) Acetone	2.44	43	367268	277.391	ug/l	98
17) Carbon Disulfide	2.57	76	250697	52.687	ug/l	99
18) Methyl Acetate	2.77	43	144635	45.934	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	335269	50.943	ug/l	99
20) Methylene Chloride	2.85	84	103028	48.060	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	95106	51.744	ug/l	98
22) Diisopropyl ether	3.85	45	403737	50.830	ug/l	97
23) Vinyl Acetate	3.81	43	1800319	264.692	ug/l	100
24) 1,1-Dichloroethane	3.70	63	193817	49.464	ug/l	100
25) 2-Butanone	4.67	43	525589	255.454	ug/l	98
26) 2,2-Dichloropropane	4.58	77	153818	52.740	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	111036	50.612	ug/l	99
28) Bromochloromethane	5.01	49	75876	47.995	ug/l	100
29) Tetrahydrofuran	5.12	42	328207	247.896	ug/l	99
30) Chloroform	5.21	83	180665	50.980	ug/l	99
31) Cyclohexane	5.58	56	193227	53.005	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	151753	51.440	ug/l	99
36) 1,1-Dichloropropene	5.79	75	141522	54.086	ug/l	99
37) Ethyl Acetate	4.82	43	186825	51.245	ug/l	99
38) Carbon Tetrachloride	5.78	117	127314	53.553	ug/l	100

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Manual Integrations
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Quant Time: May 12 02:07:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	181644	56.527	ug/l	99
40) Benzene	6.14	78	426453	52.662	ug/l	99
41) Methacrylonitrile	5.04	41	109260	50.346	ug/l	99
42) 1,2-Dichloroethane	6.19	62	153418	52.814	ug/l	99
43) Isopropyl Acetate	6.44	43	304511	52.219	ug/l	100
44) Trichloroethene	7.21	130	103800	53.022	ug/l	100
45) 1,2-Dichloropropane	7.51	63	119304	52.030	ug/l	97
46) Dibromomethane	7.66	93	68937	51.772	ug/l	98
47) Bromodichloromethane	7.90	83	141450	53.254	ug/l	98
48) Methyl methacrylate	7.77	41	154687	53.467	ug/l	99
49) 1,4-Dioxane	7.74	88	59830	1019.729	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	991110	260.026	ug/l	99
52) Toluene	8.78	92	261331	53.089	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	166372	55.480	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	183000	55.134	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	105050	52.309	ug/l	98
56) Ethyl methacrylate	9.18	69	191097	53.307	ug/l	98
57) 1,3-Dichloropropane	9.37	76	185544	52.502	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	476068	250.333	ug/l	99
59) 2-Hexanone	9.49	43	798182	266.633	ug/l	100
60) Dibromochloromethane	9.58	129	106588	54.342	ug/l	99
61) 1,2-Dibromoethane	9.67	107	108309	53.428	ug/l	100
64) Tetrachloroethene	9.34	164	94562	54.171	ug/l	98
65) Chlorobenzene	10.13	112	271330	53.299	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	99030	53.657	ug/l	99
67) Ethyl Benzene	10.25	91	511976	54.646	ug/l	100
68) m/p-Xylenes	10.35	106	375454	109.663	ug/l	99
69) o-Xylene	10.69	106	183013	54.178	ug/l	99
70) Styrene	10.71	104	322710	54.965	ug/l	99
71) Bromoform	10.85	173	82624	55.089	ug/l #	99
73) Isopropylbenzene	11.02	105	492478	50.654	ug/l	99
74) N-amyl acetate	10.90	43	289237	51.027	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	175090	48.309	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	154380m	49.779	ug/l	
77) Bromobenzene	11.25	156	121873	50.504	ug/l	98
78) n-propylbenzene	11.36	91	581632	52.383	ug/l	99
79) 2-Chlorotoluene	11.42	91	339141	49.507	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	423037	51.676	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	62431	51.506	ug/l	98
82) 4-Chlorotoluene	11.51	91	397994	51.428	ug/l	100
83) tert-Butylbenzene	11.77	119	407254	51.139	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	428436	52.140	ug/l	99
85) sec-Butylbenzene	11.94	105	491838	52.093	ug/l	99
86) p-Isopropyltoluene	12.06	119	453020	53.373	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	224329	52.147	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	225740	52.049	ug/l	100
89) n-Butylbenzene	12.38	91	424530	55.338	ug/l	100
90) Hexachloroethane	12.59	117	74985	51.855	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	226004	51.580	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	39551	48.645	ug/l	99

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ClientSampleId :
VSTDCCC050

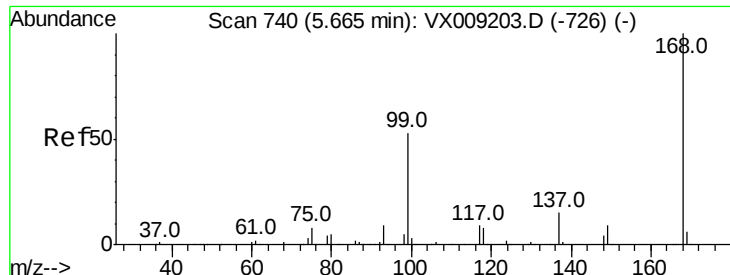
Manual Integrations
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5/13/2019 4:26:54 PM

Quant Time: May 12 02:07:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	163317	54.506	ug/l	98
94) Hexachlorobutadiene	13.78	225	84791	55.415	ug/l	99
95) Naphthalene	13.83	128	495455	50.825	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	161585	53.201	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 180625

Ion Ratio Lower Upper

168 100

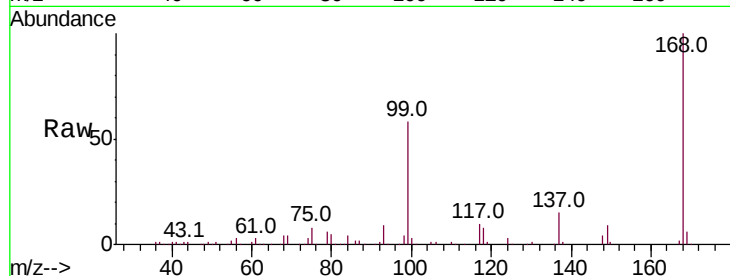
99 58.0 42.3 63.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

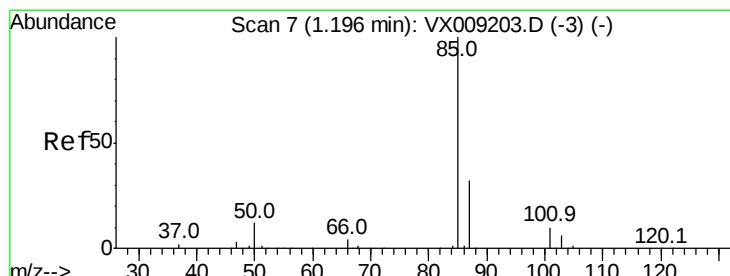
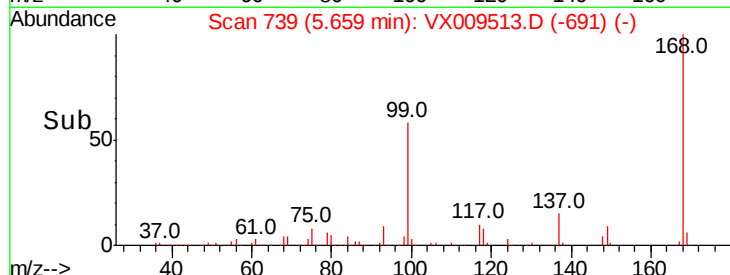
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 46.179 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009513.D

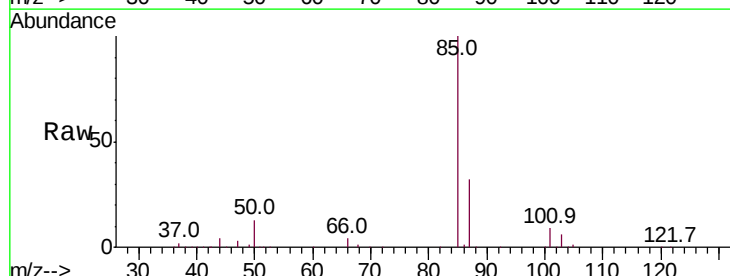
Acq: 11 May 2019 10:14

Tgt Ion: 85 Resp: 76865

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

80000

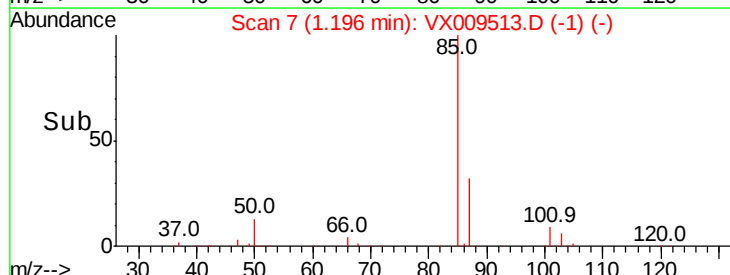
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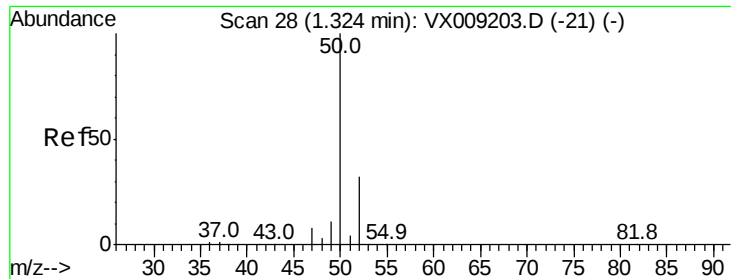
40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 48.236 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 109615

Ion Ratio Lower Upper

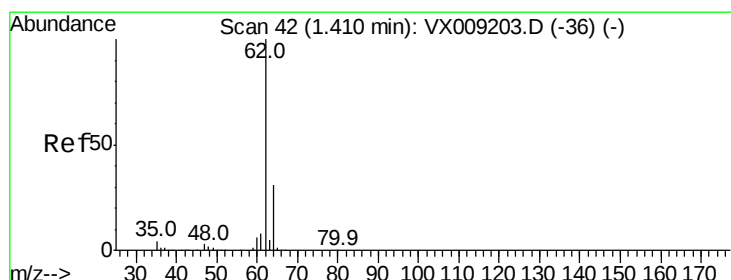
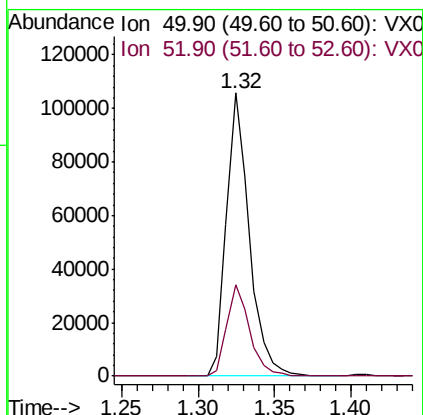
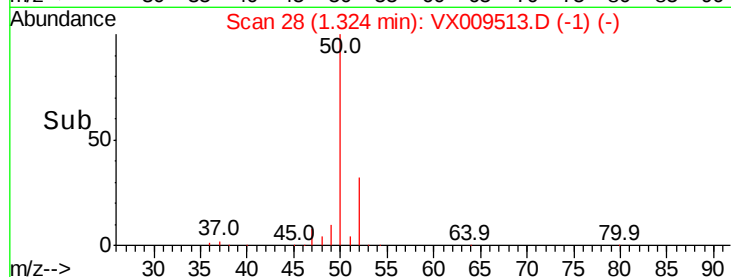
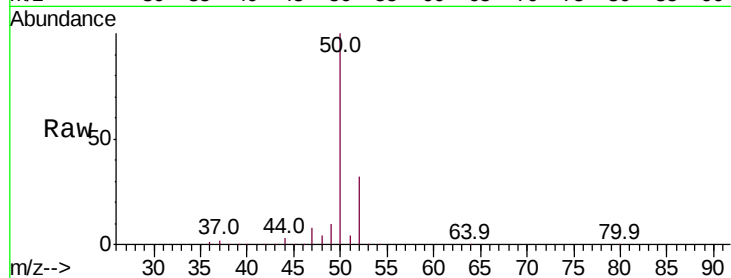
50 100

52 32.3 25.9 38.9

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5/13/2019 4:26:54 PM



#4

Vinyl Chloride

Concen: 50.048 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009513.D

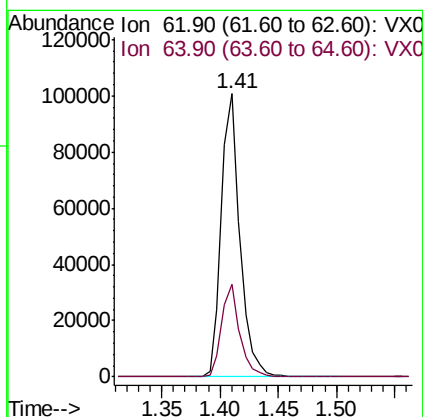
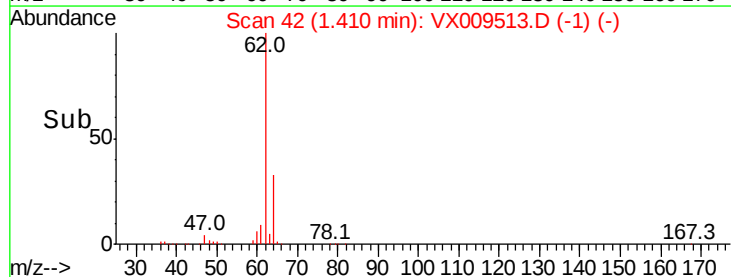
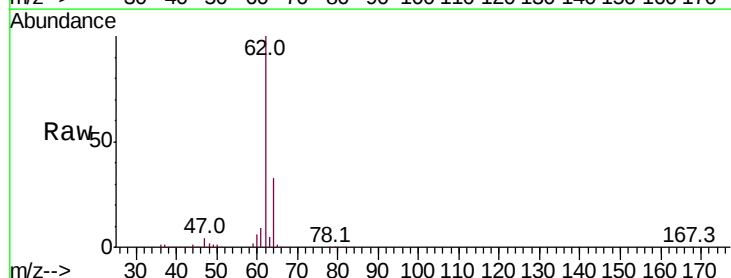
Acq: 11 May 2019 10:14

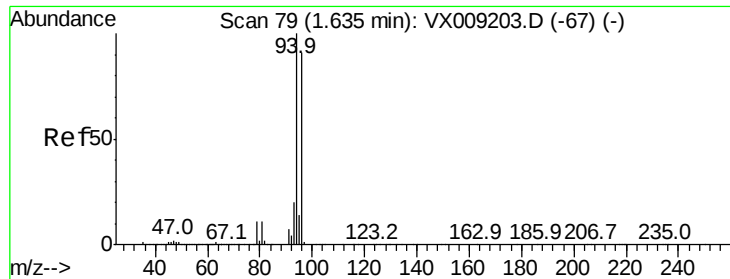
Tgt Ion: 62 Resp: 110902

Ion Ratio Lower Upper

62 100

64 32.7 24.6 36.8





#5

Bromomethane

Concen: 52.426 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 69728

Ion Ratio Lower Upper

94 100

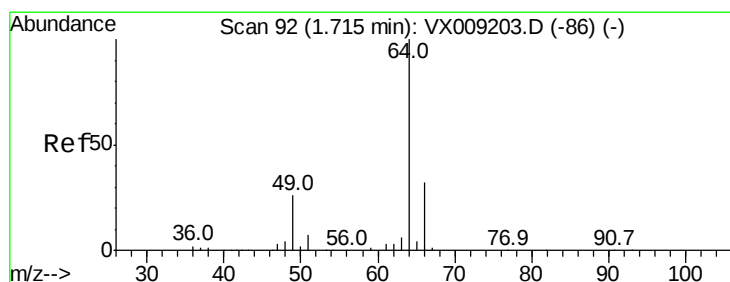
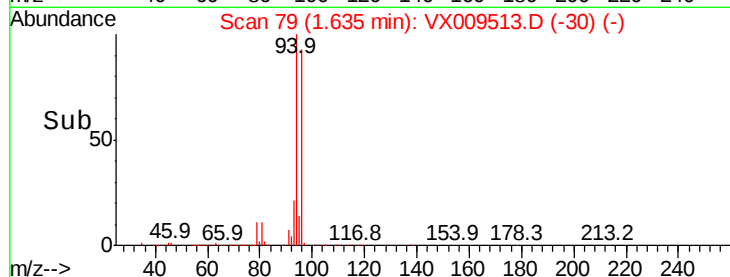
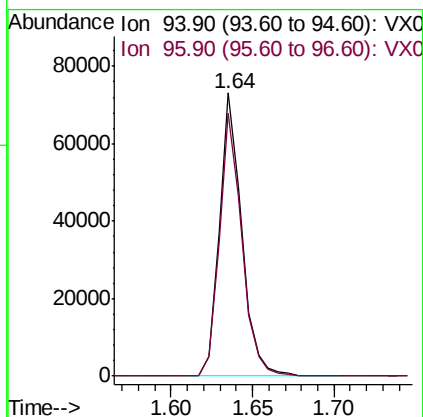
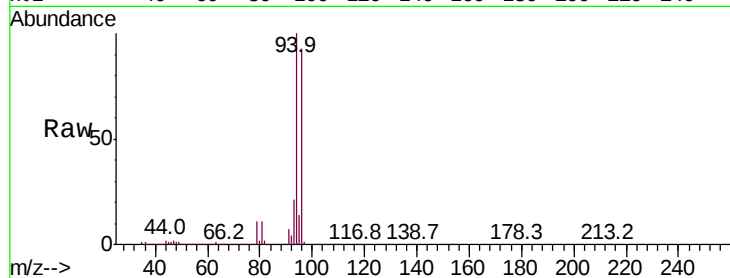
96 92.7 73.0 109.6

Manual Integrations

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#6

Chloroethane

Concen: 47.862 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX009513.D

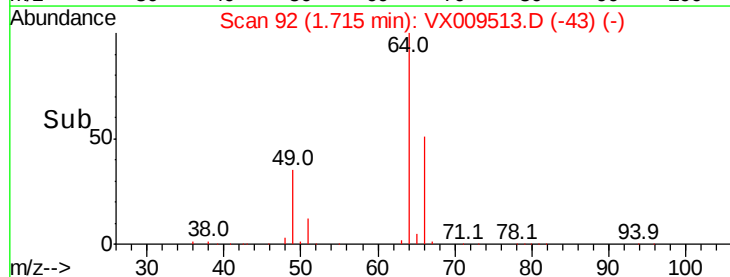
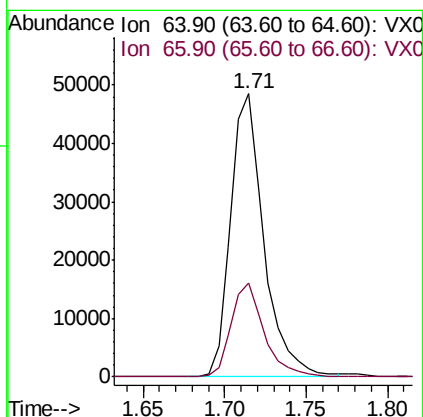
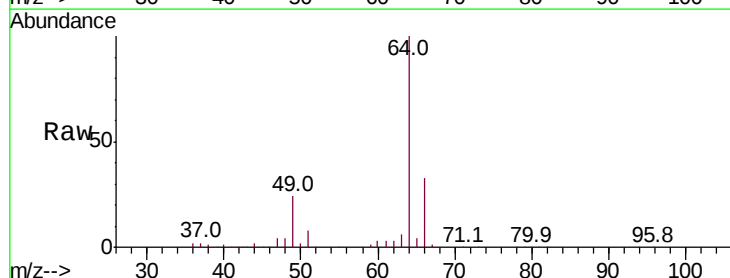
Acq: 11 May 2019 10:14

Tgt Ion: 64 Resp: 68094

Ion Ratio Lower Upper

64 100

66 33.0 25.3 37.9





#7

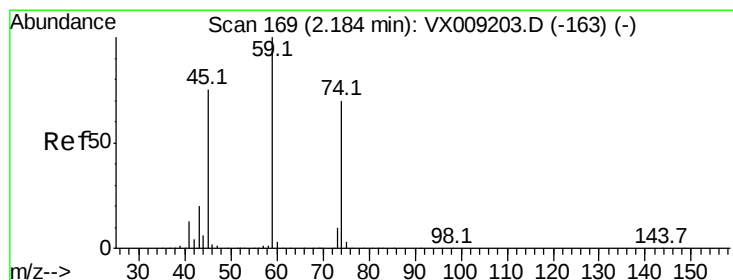
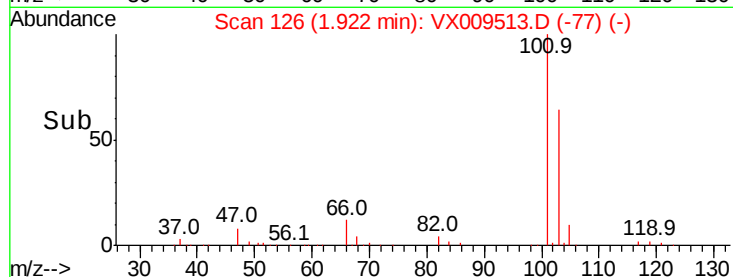
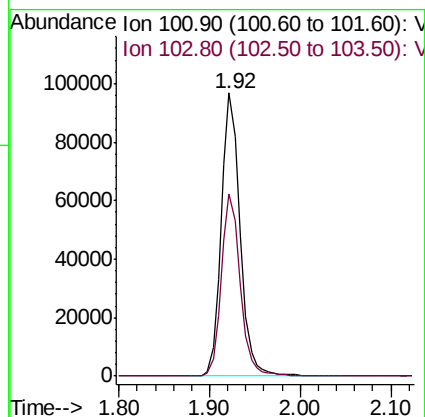
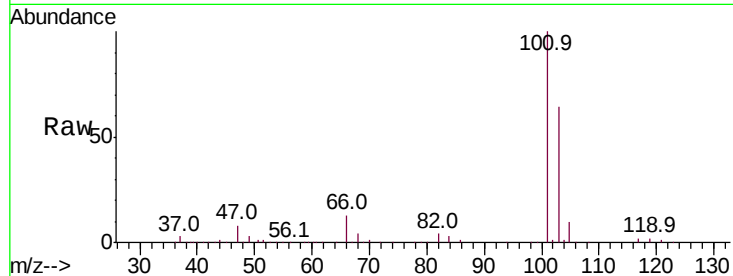
Trichlorofluoromethane
 Concen: 52.073 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.4	78.6

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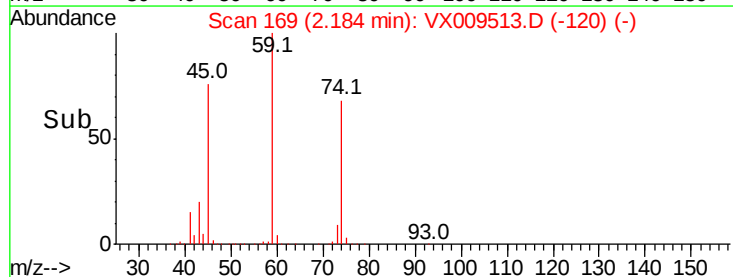
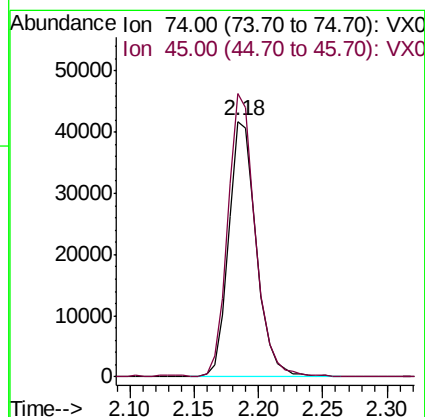
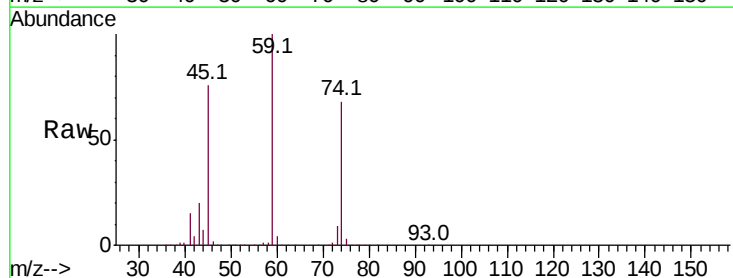
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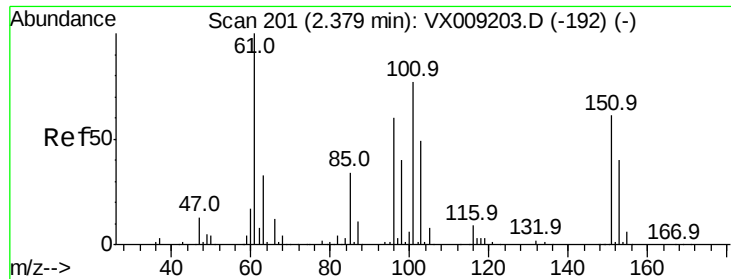


#8

Diethyl Ether
 Concen: 49.426 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.9	53.3	159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.517 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

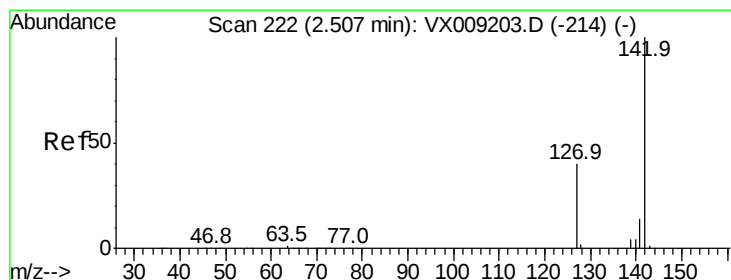
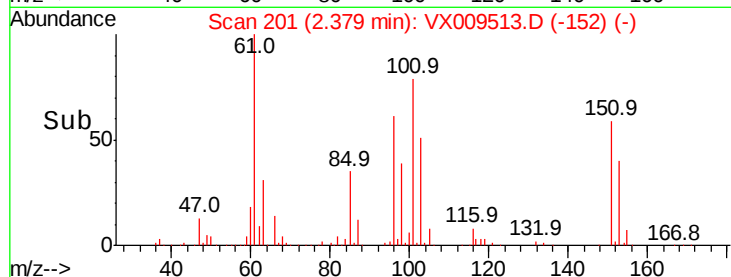
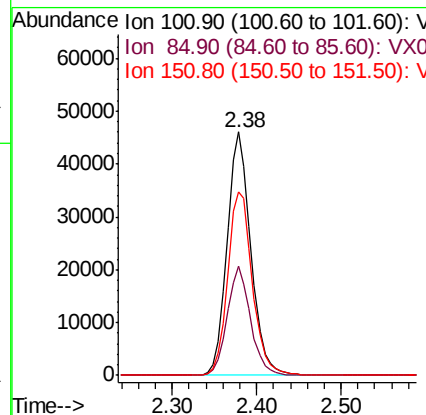
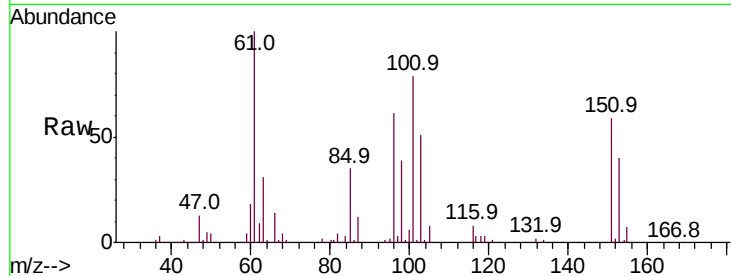
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	88831
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.7	53.5
151	78.1	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 52.394 ug/l

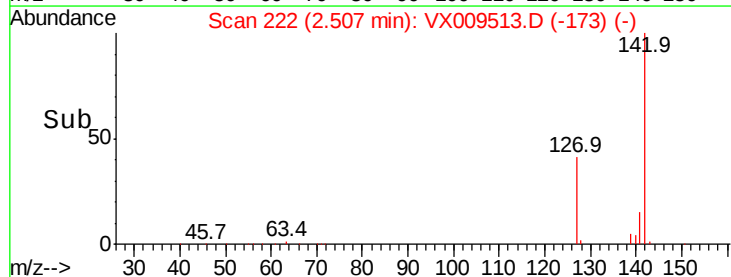
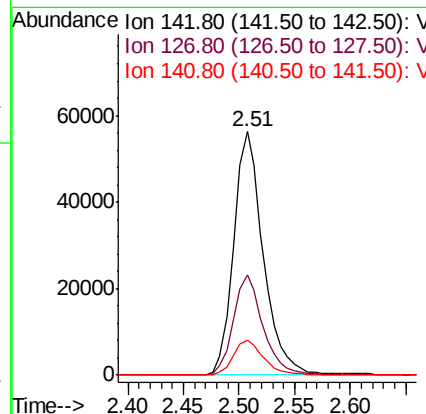
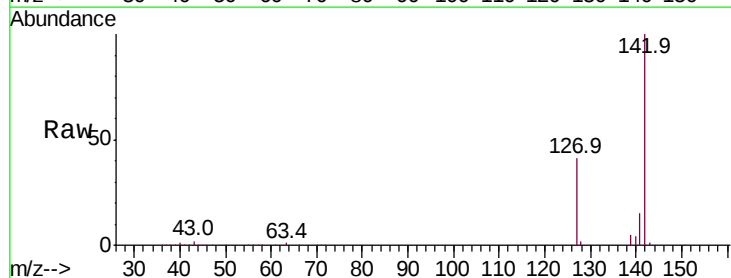
RT: 2.51 min Scan# 222

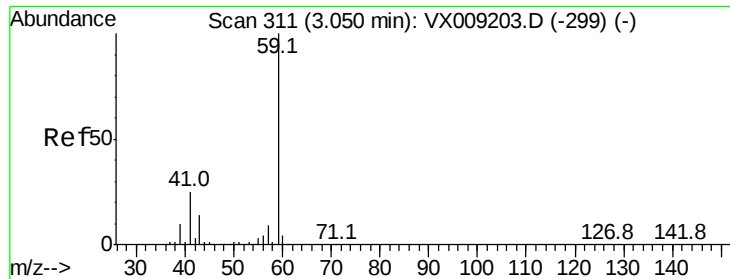
Delta R.T. 0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Tgt Ion:	142	Resp:	103447
Ion Ratio	Lower	Upper	
142	100		
127	41.4	32.7	49.1
141	14.7	11.5	17.3





#11

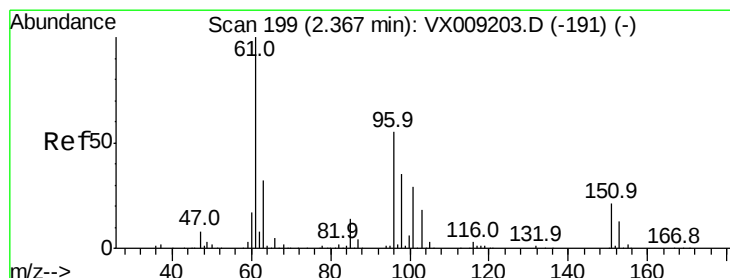
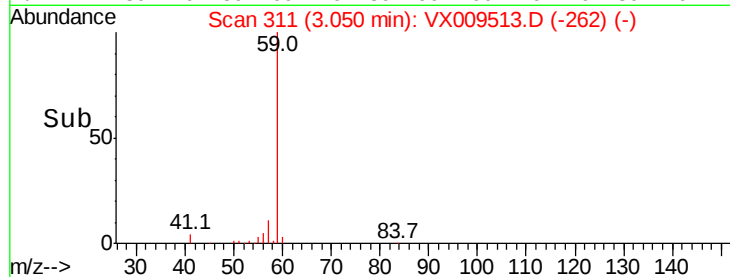
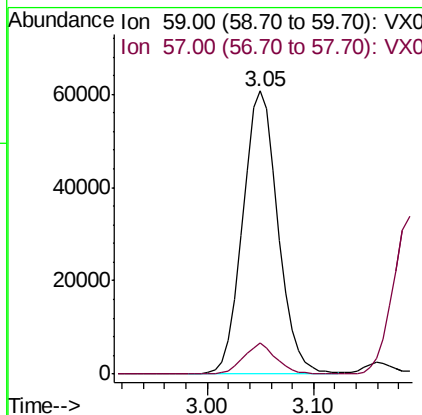
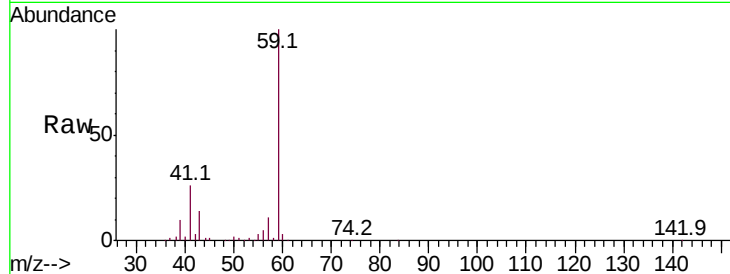
Tert butyl alcohol
 Concen: 247.381 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. -0.00 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	141195
Ion Ratio	100	Lower	Upper
57	10.2	8.2	12.2

Manual Integrations
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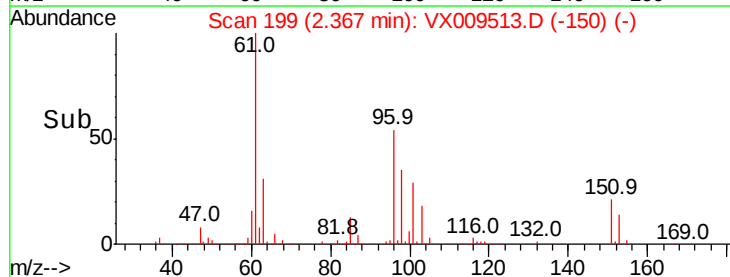
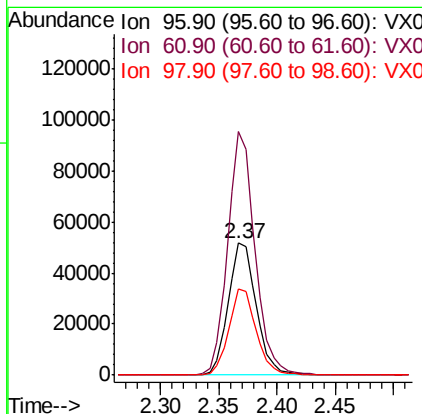
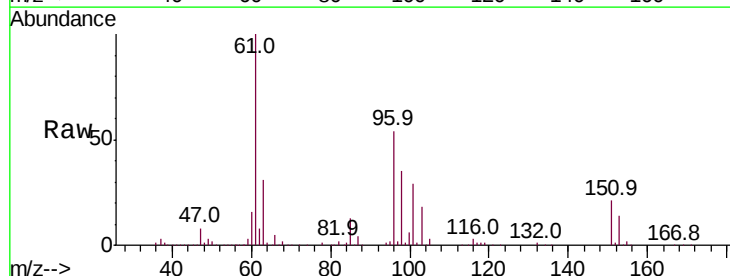
MMDadoda
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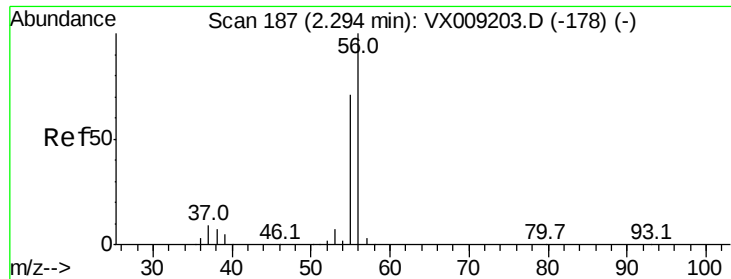


#12

1,1-Dichloroethene
 Concen: 51.396 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. -0.00 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

Tgt Ion	96	Resp	87105
Ion Ratio	100	Lower	Upper
61	184.4	144.3	216.5
98	65.0	50.3	75.5





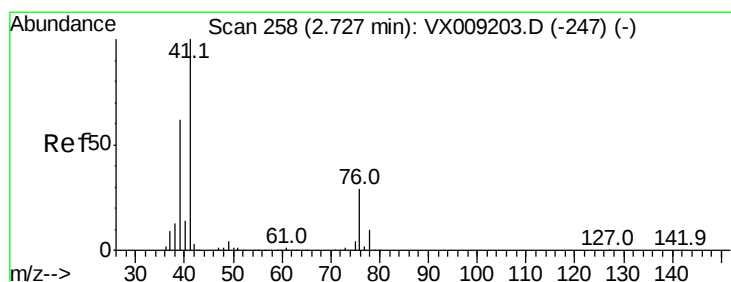
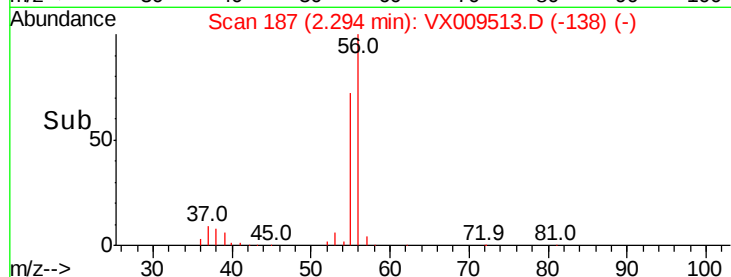
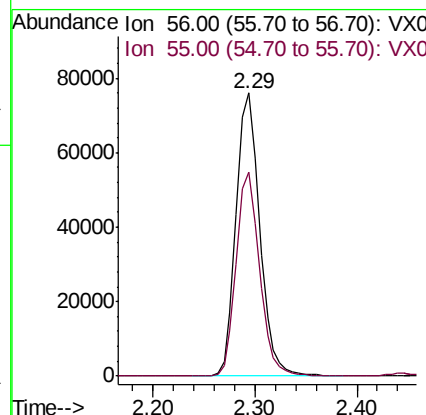
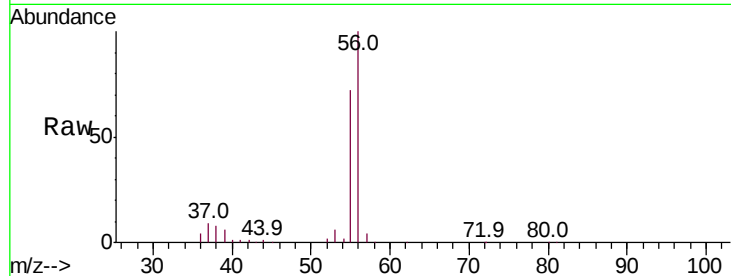
#13
Acrolein
Concen: 236.437 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.7	56.6	85.0

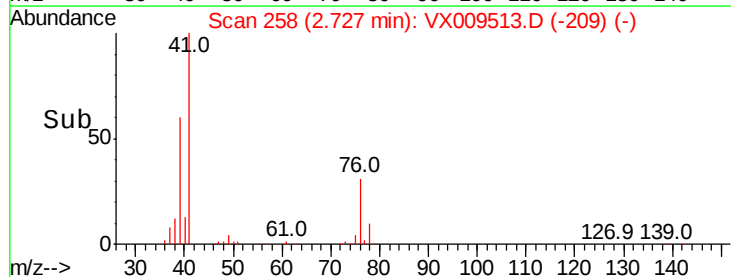
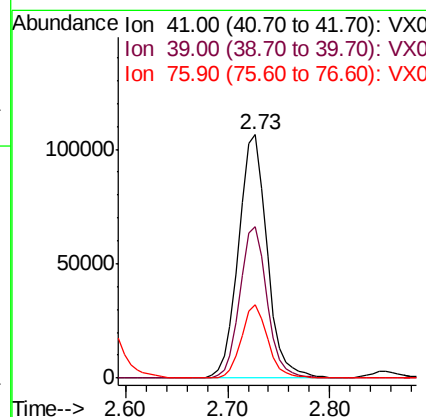
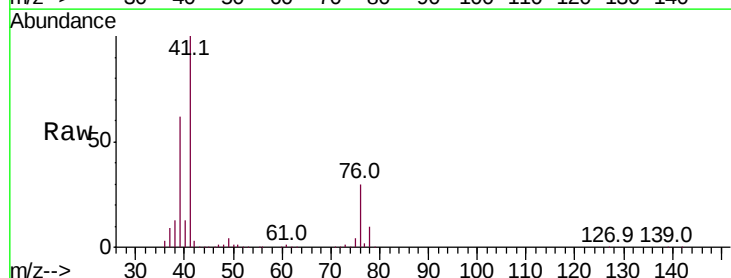
Manual Integrations
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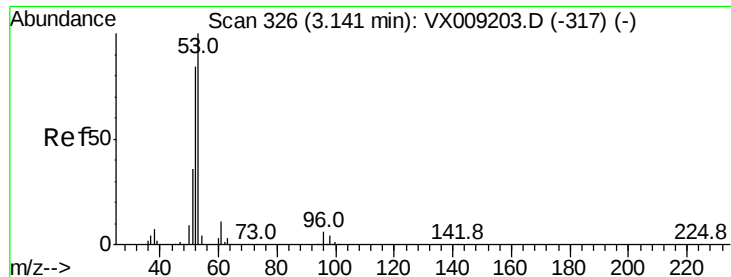
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#14
Allyl chloride
Concen: 50.142 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.1	46.7	70.1
76	27.5	21.8	32.8





#15

Acrylonitrile

Concen: 238.590 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

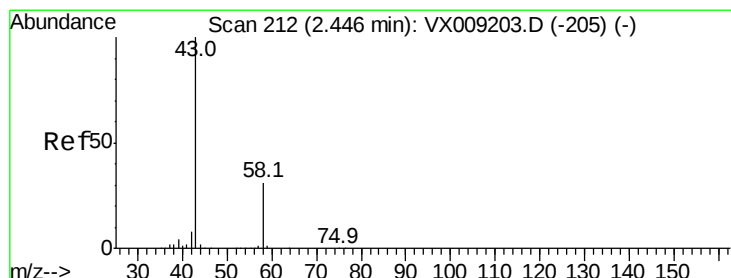
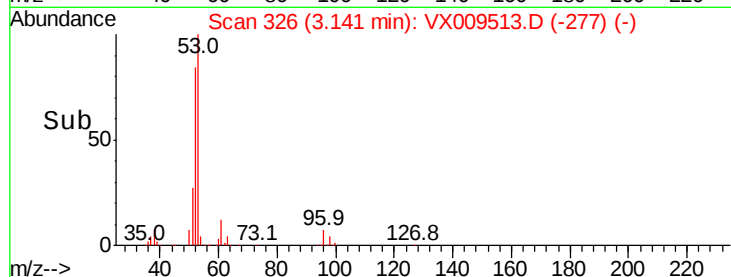
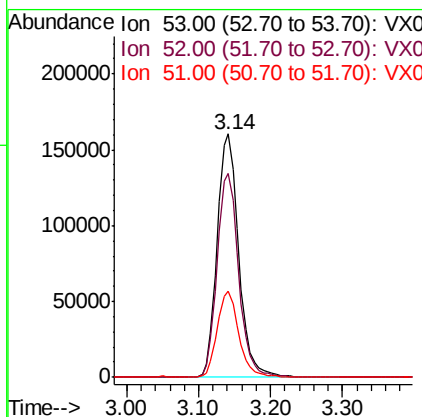
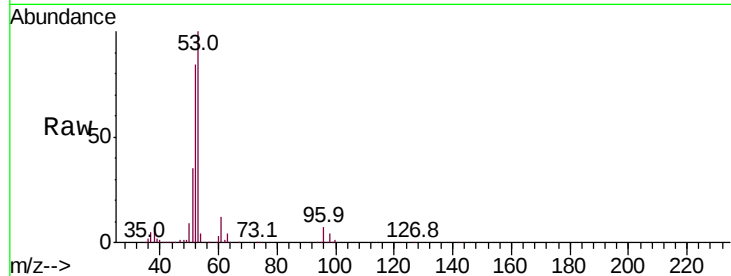
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	332964
Ion Ratio	Lower	Upper	
53	100		
52	84.0	66.9	100.3
51	35.8	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 277.391 ug/l

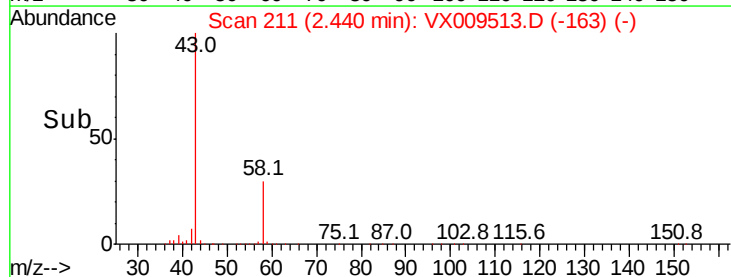
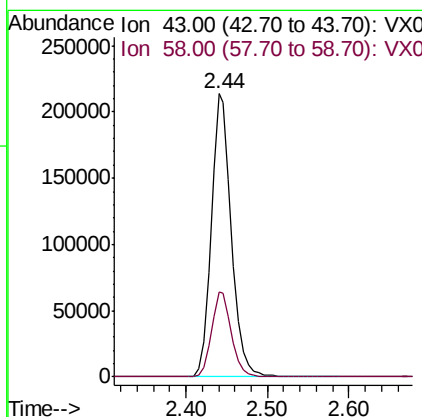
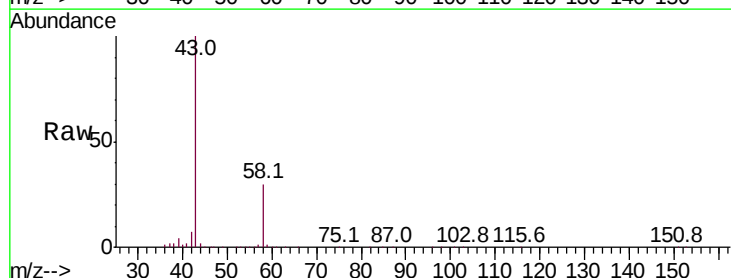
RT: 2.44 min Scan# 211

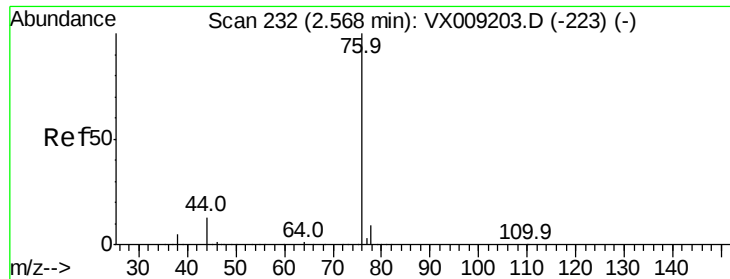
Delta R.T. -0.01 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Tgt Ion:	43	Resp:	367268
Ion Ratio	Lower	Upper	
43	100		
58	29.9	24.9	37.3





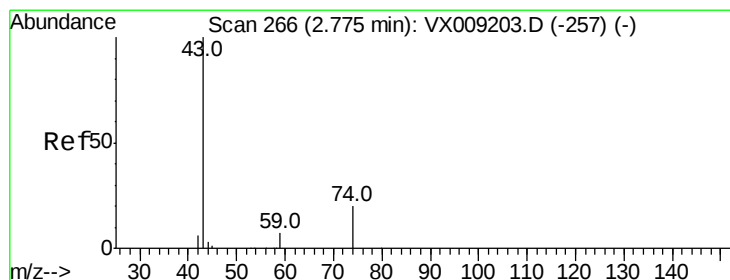
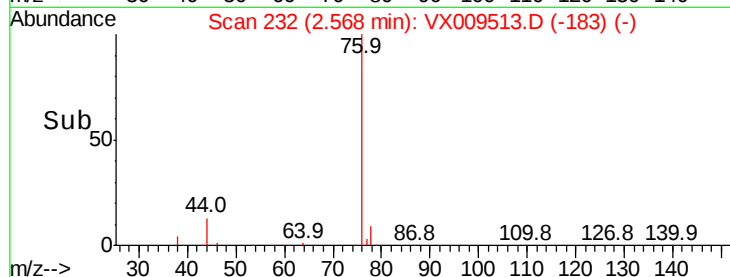
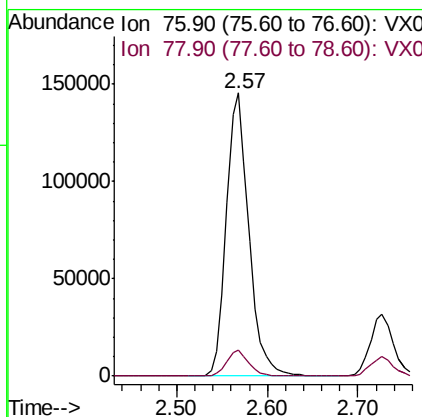
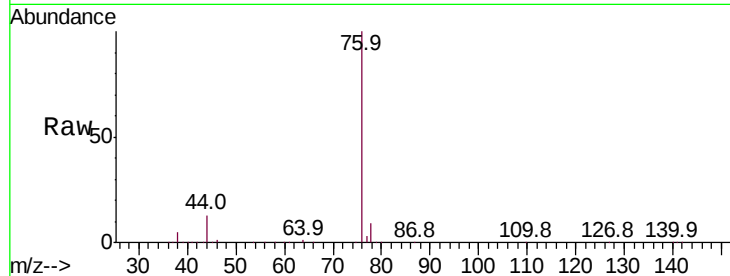
#17
Carbon Disulfide
Concen: 52.687 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

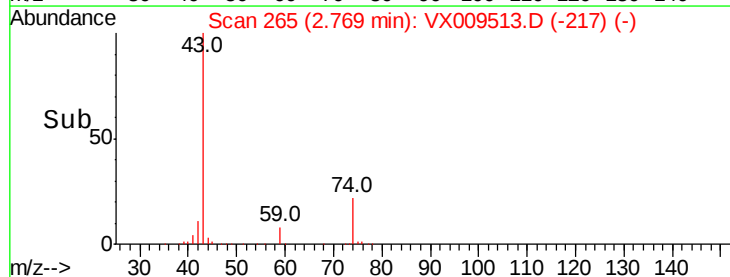
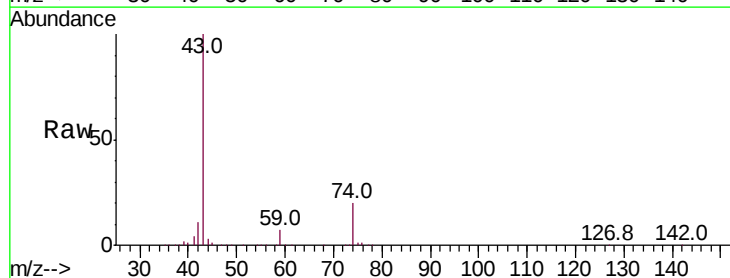
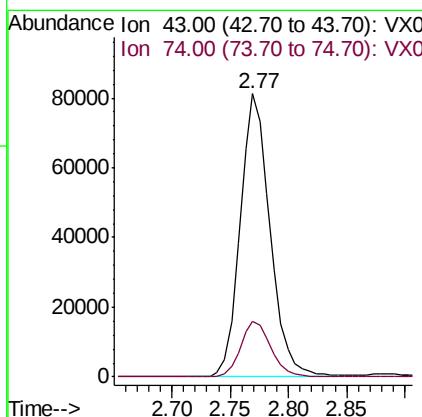
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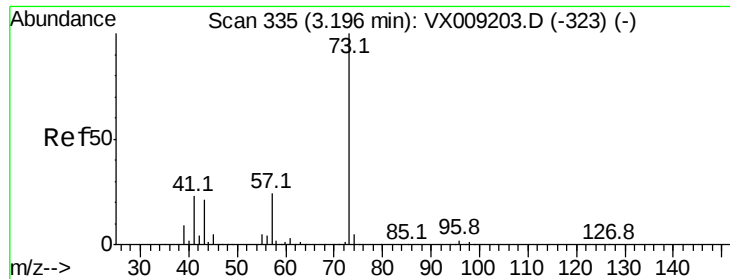
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#18
Methyl Acetate
Concen: 45.934 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.6	16.2	24.4





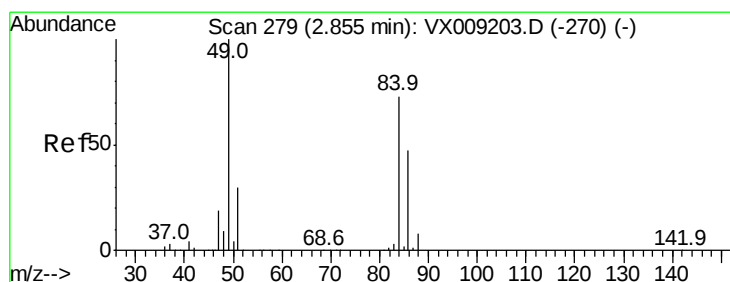
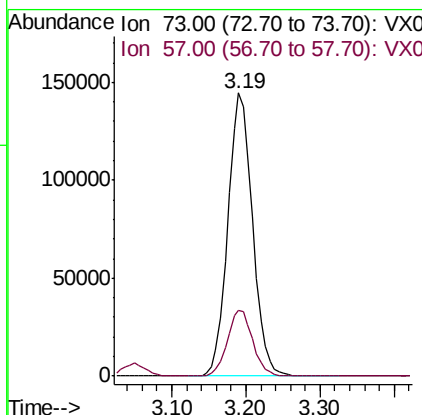
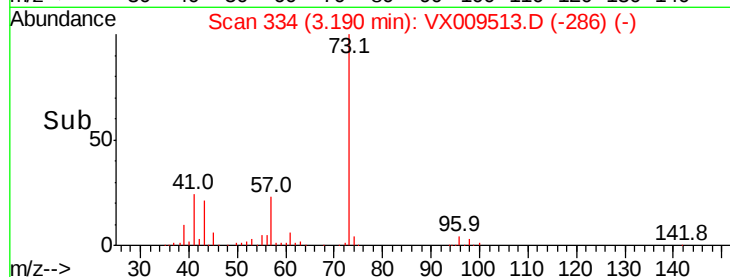
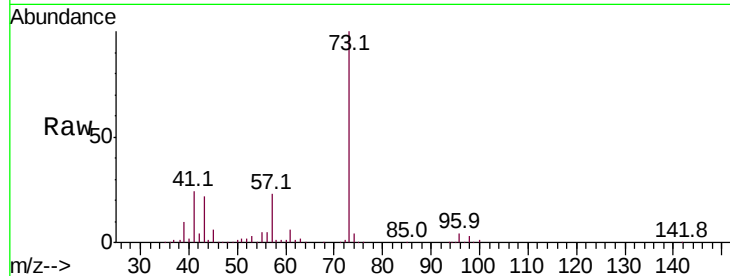
#19
Methyl tert-butyl Ether
Concen: 50.943 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.5	19.3	28.9

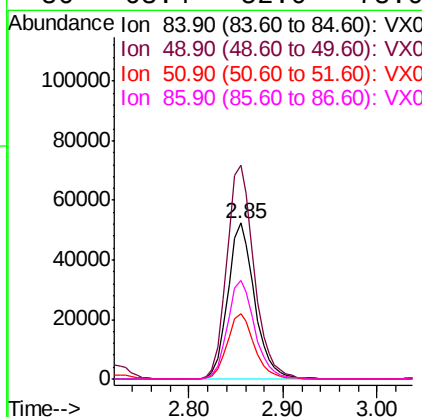
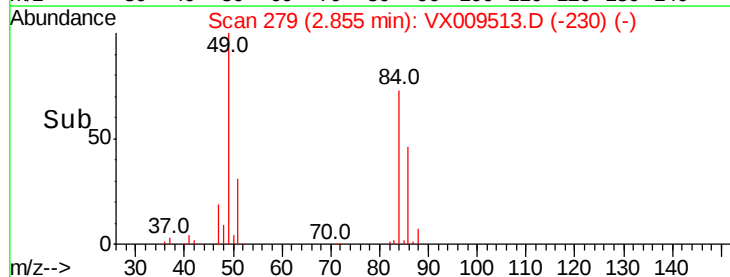
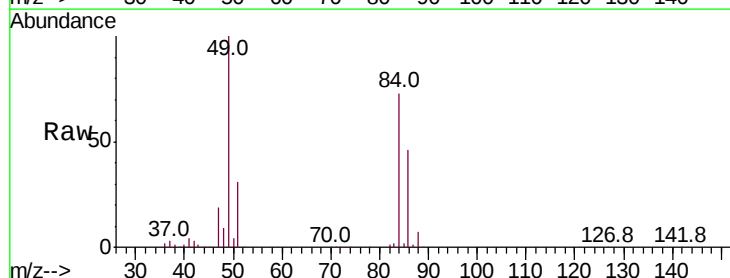
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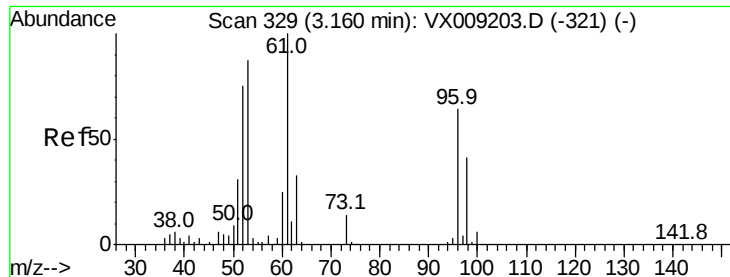
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#20
Methylene Chloride
Concen: 48.060 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.1	109.9	164.9
51	42.0	32.7	49.1
86	63.4	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 51.744 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

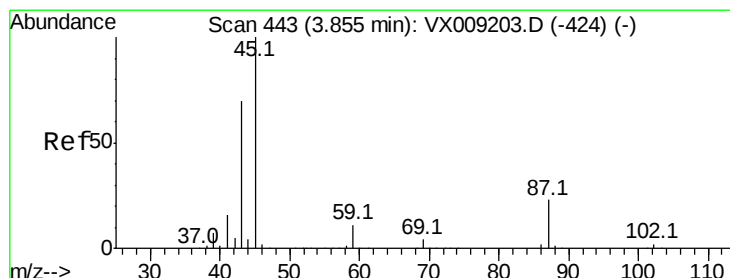
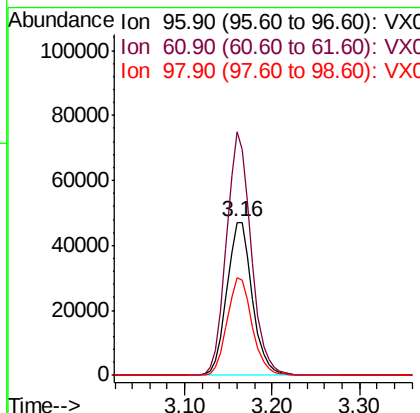
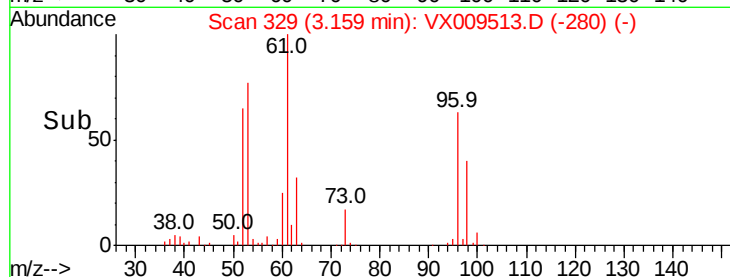
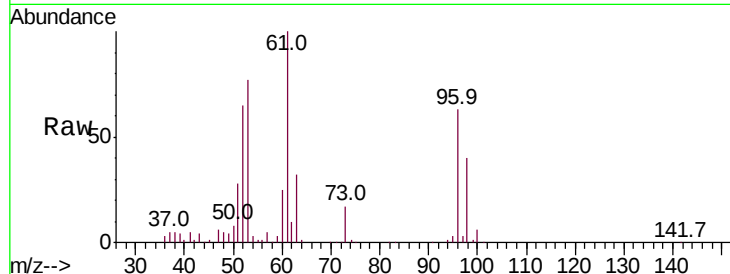
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	95106
Ion	Ratio	Lower	Upper
96	100		
61	159.4	124.5	186.7
98	64.0	50.4	75.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.830 ug/l

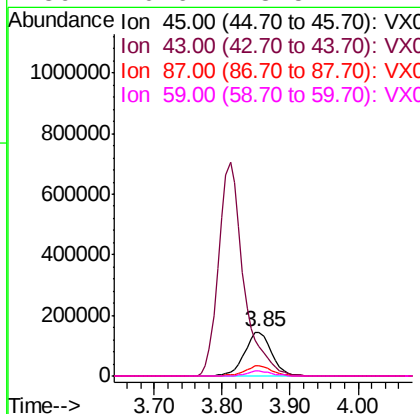
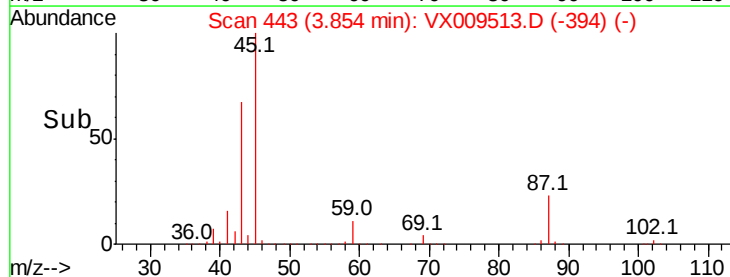
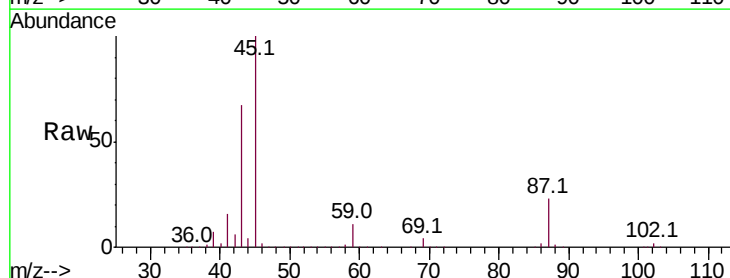
RT: 3.85 min Scan# 443

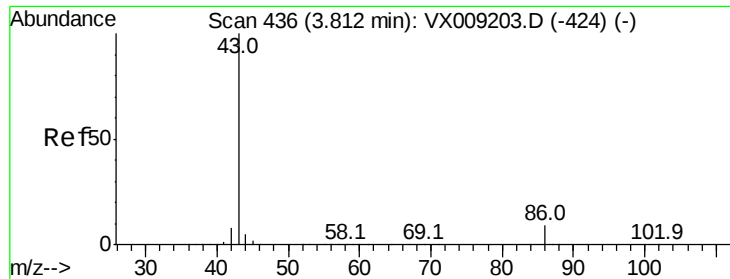
Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Tgt Ion:	45	Resp:	403737
Ion	Ratio	Lower	Upper
45	100		
43	66.9	56.1	84.1
87	23.2	18.1	27.1
59	10.6	8.5	12.7





#23

Vinyl Acetate

Concen: 264.692 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1800319

Ion Ratio Lower Upper

43 100

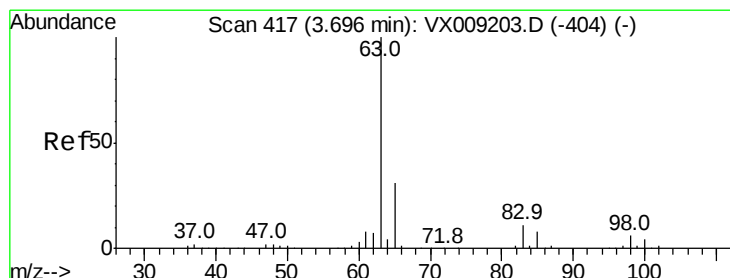
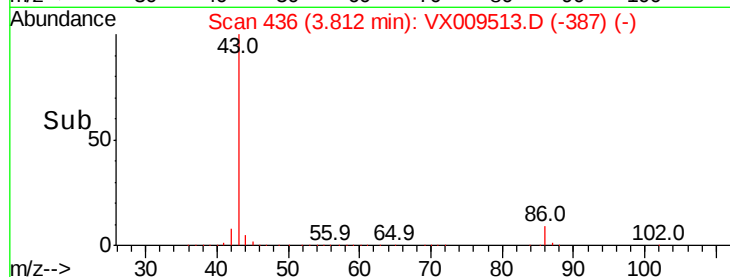
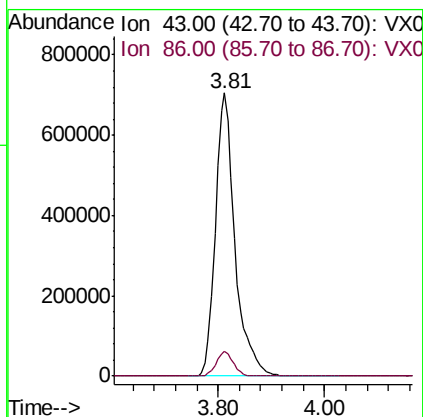
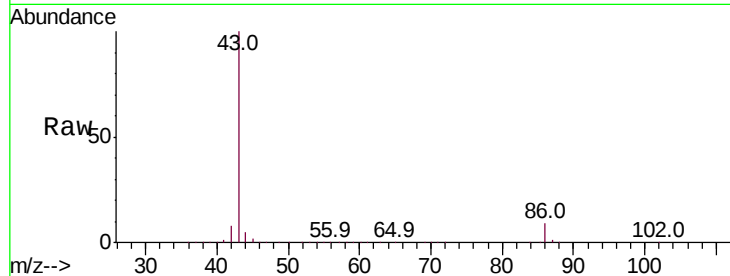
86 8.7 6.9 10.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.464 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

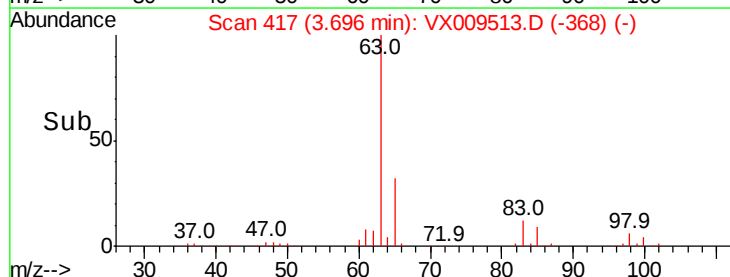
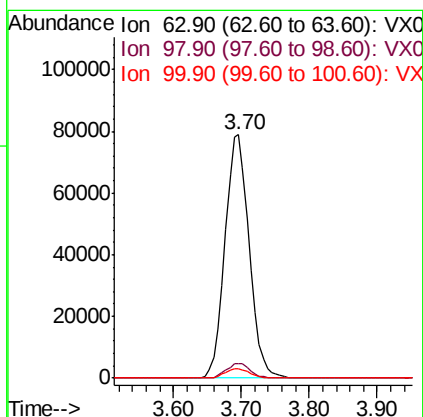
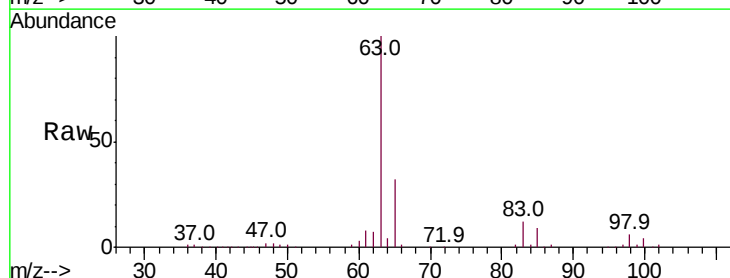
Tgt Ion: 63 Resp: 193817

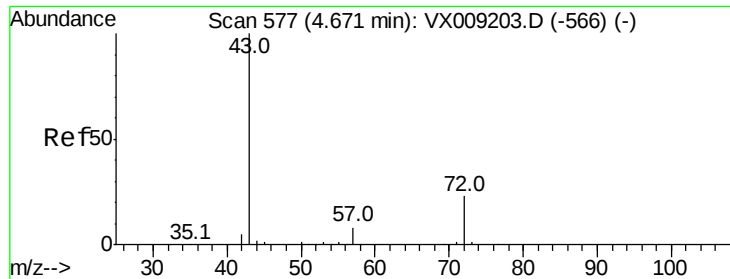
Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 255.454 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 525589

Ion Ratio Lower Upper

43 100

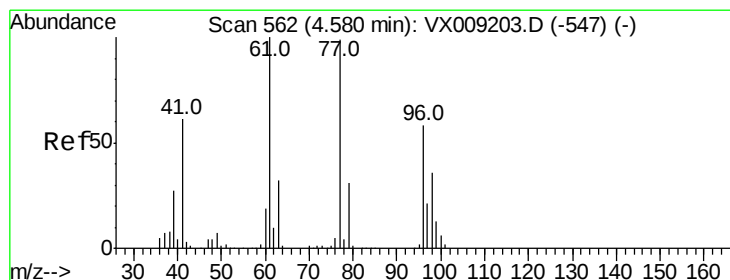
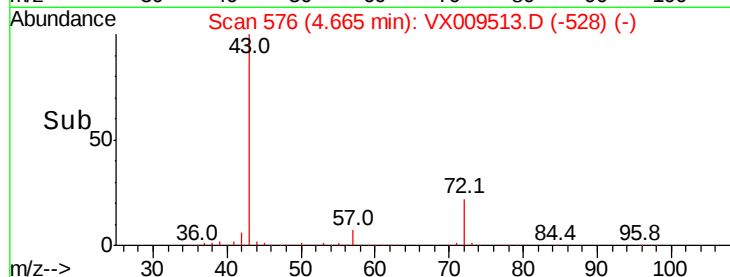
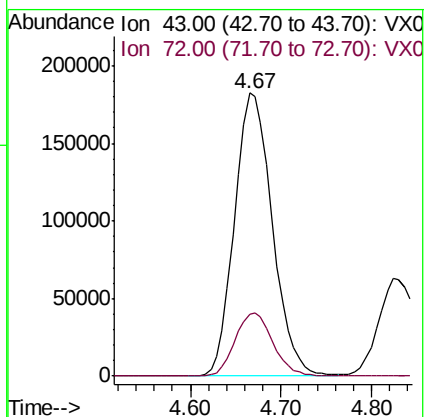
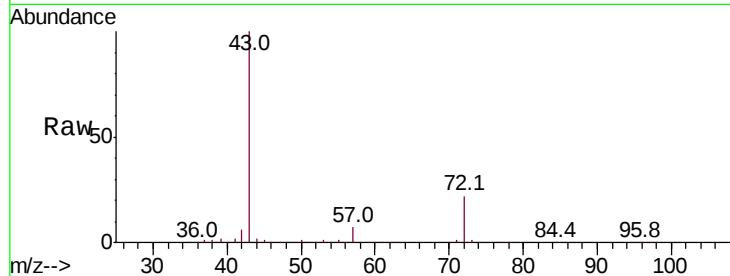
72 21.9 18.2 27.2

Manual Integrations

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5/13/2019 4:26:54 PM



#26

2,2-Dichloropropane

Concen: 52.740 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009513.D

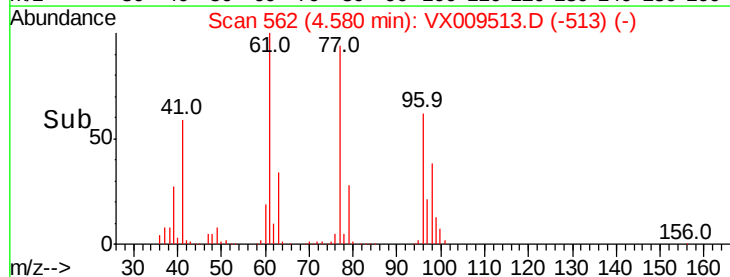
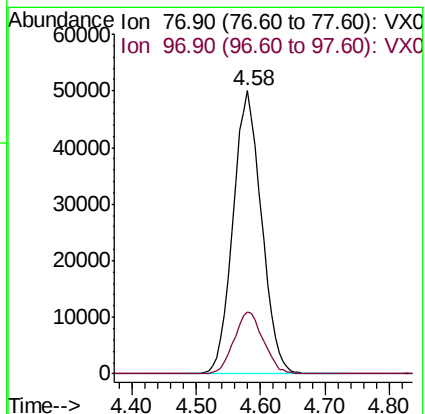
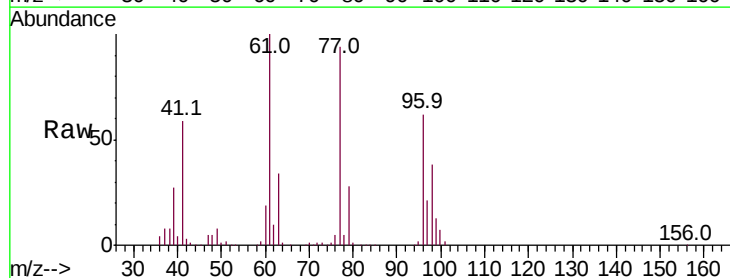
Acq: 11 May 2019 10:14

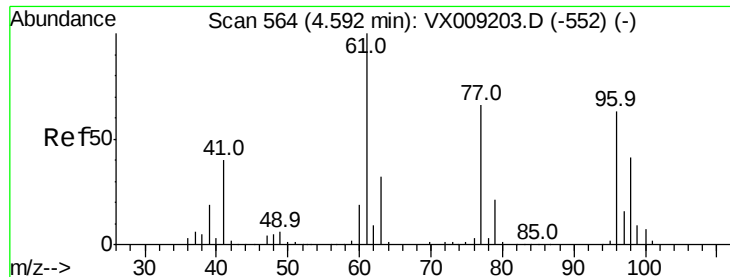
Tgt Ion: 77 Resp: 153818

Ion Ratio Lower Upper

77 100

97 22.5 11.5 34.4





#27

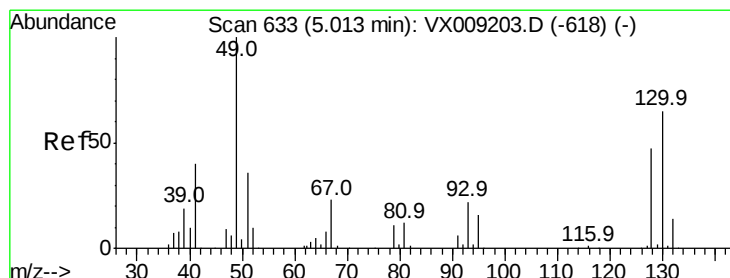
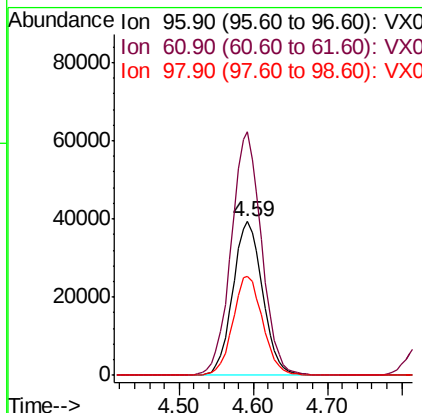
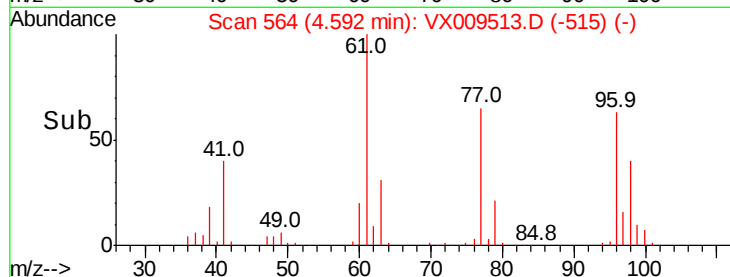
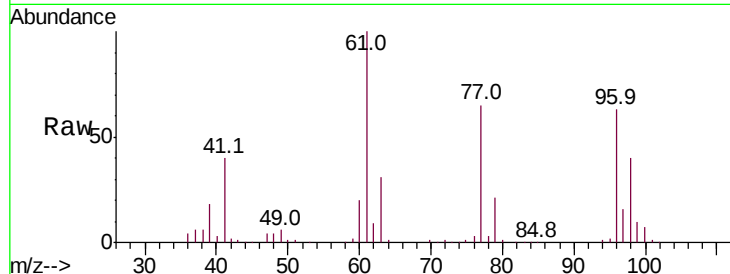
cis-1,2-Dichloroethene
Concen: 50.612 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.3	0.0	324.0
98	64.3	0.0	130.4

Manual Integrations
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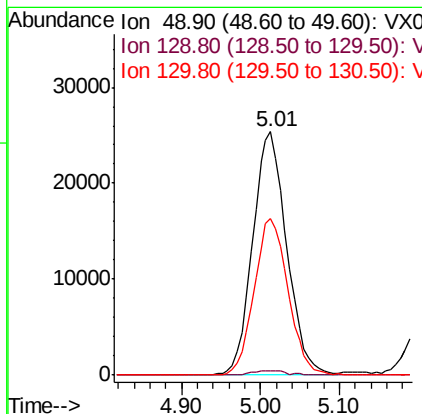
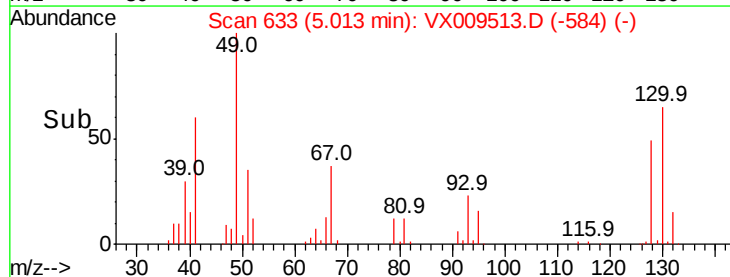
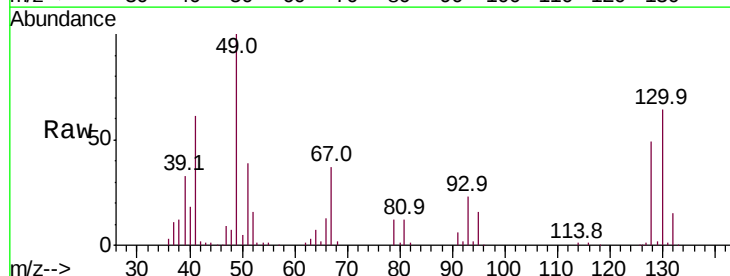
MMDadoda
5/13/2019 4:26:54 PM

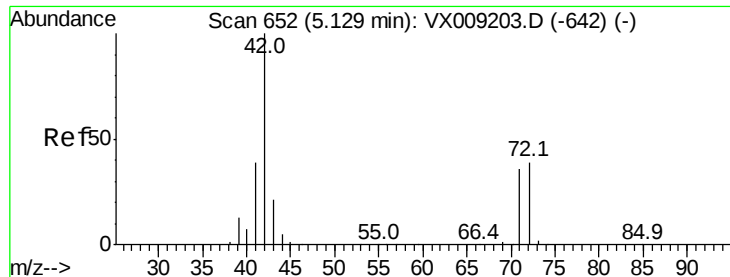


#28

Bromochloromethane
Concen: 47.995 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	64.3	51.2	76.8





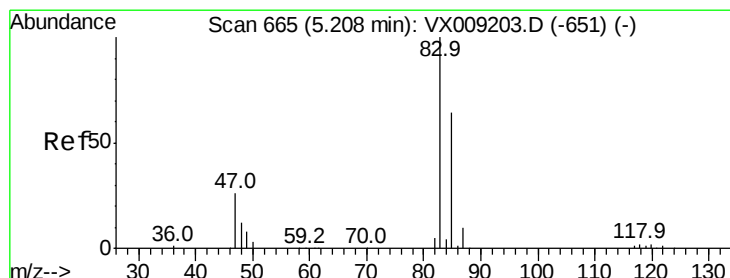
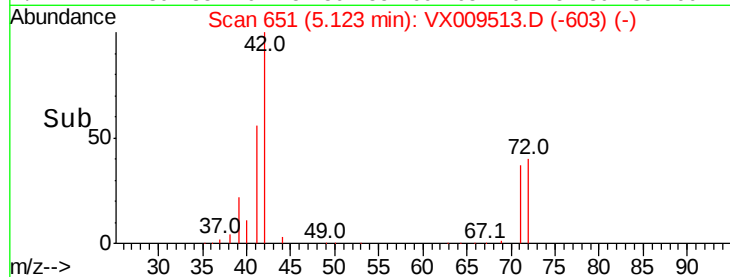
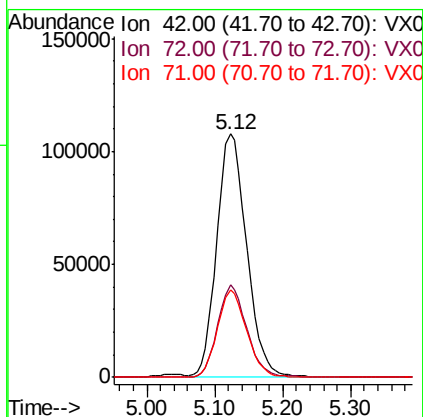
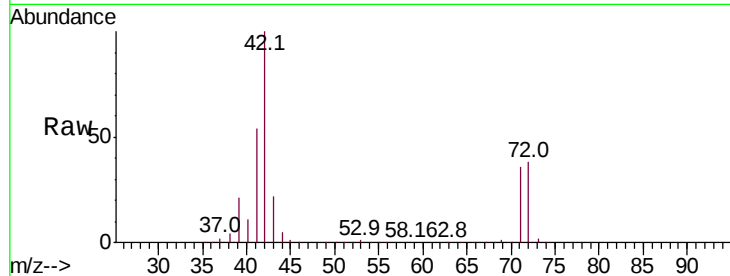
#29
Tetrahydrofuran
Concen: 247.896 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.3	30.4	45.6
71	35.1	28.6	43.0

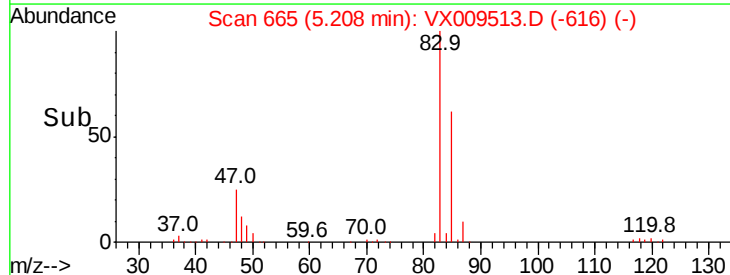
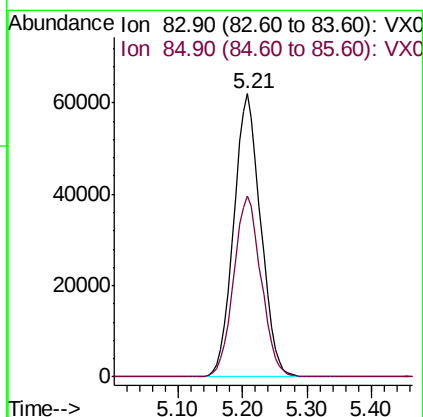
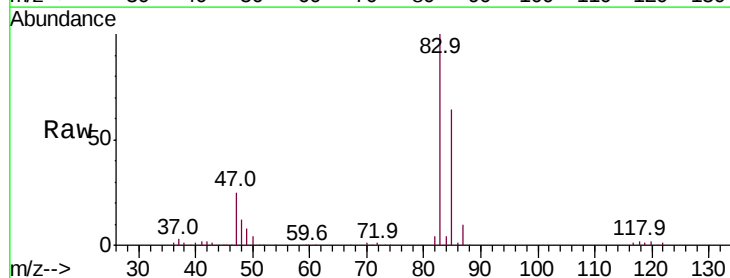
Manual Integrations
APPROVED

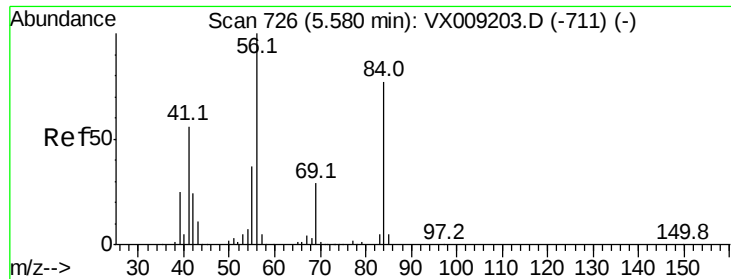
MMDadoda
5/13/2019 4:26:54 PM



#30
Chloroform
Concen: 50.980 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.5	77.3





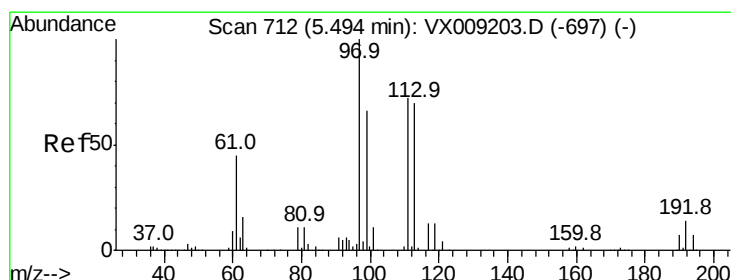
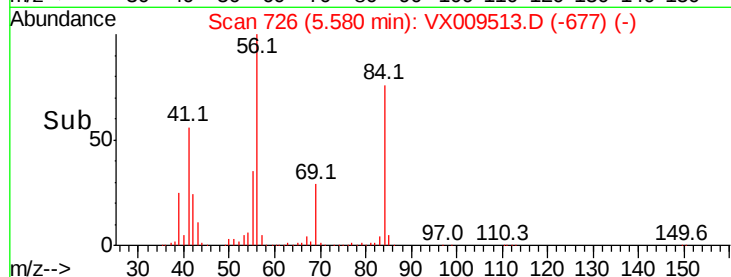
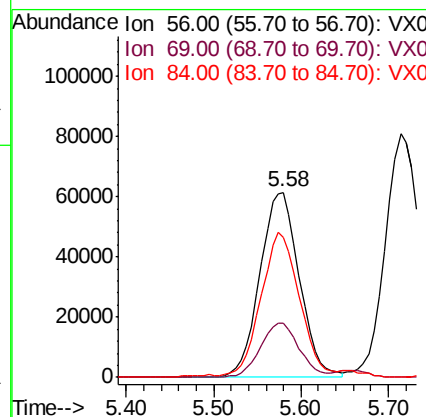
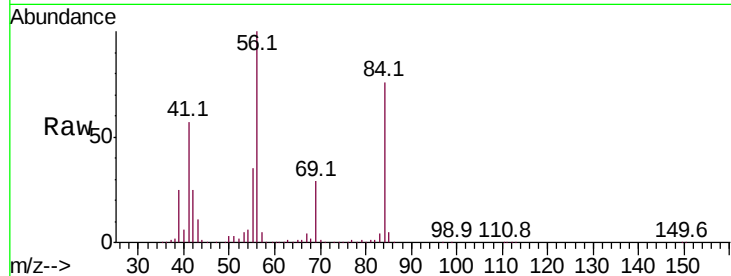
#31
Cyclohexane
Concen: 53.005 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.4	23.4	35.0
84	74.4	61.9	92.9

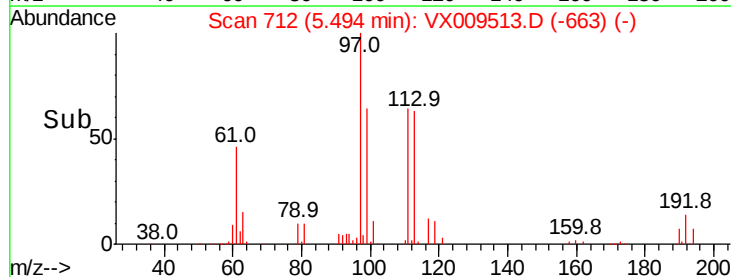
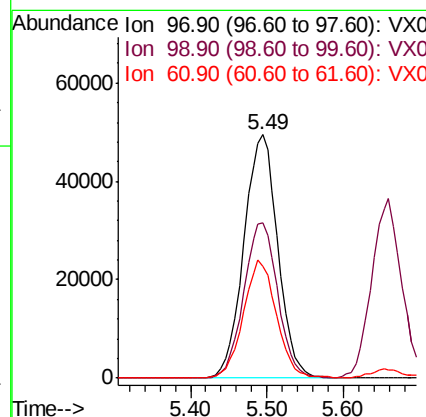
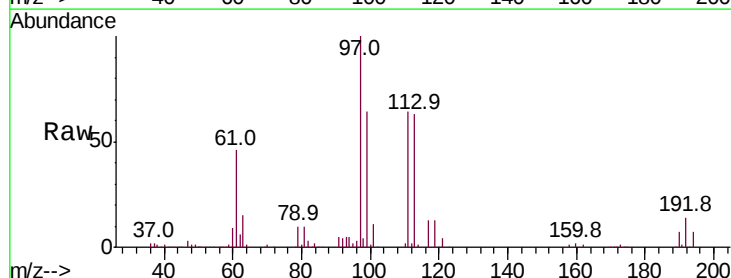
Manual Integrations
APPROVED

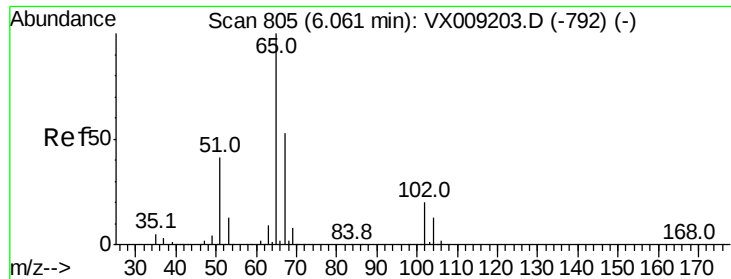
MMDadoda
5/13/2019 4:26:54 PM



#32
1,1,1-Trichloroethane
Concen: 51.440 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.8	77.8
61	47.5	37.8	56.8





#33

1,2-Dichloroethane-d4

Concen: 48.662 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Tot Ion: 65 Resp: 119987

Ion Ratio Lower Upper

65 100

67 52.8 0.0 106.6

Instrument :

MSVOA_X

ClientSampled :

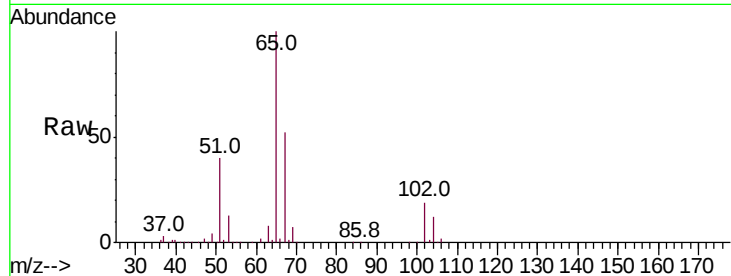
VSTDCCC050

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

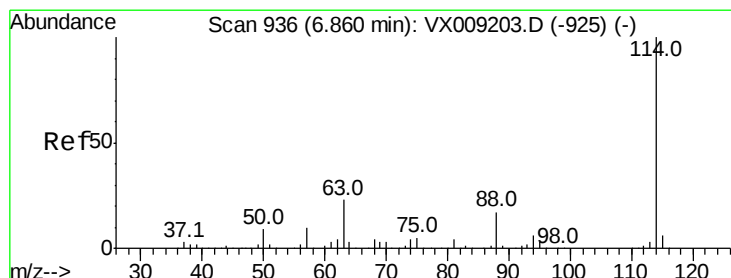
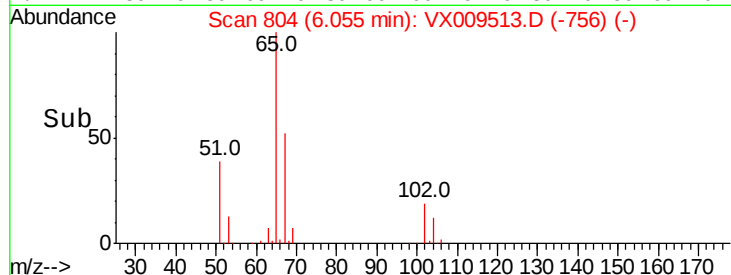
30000

20000

10000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

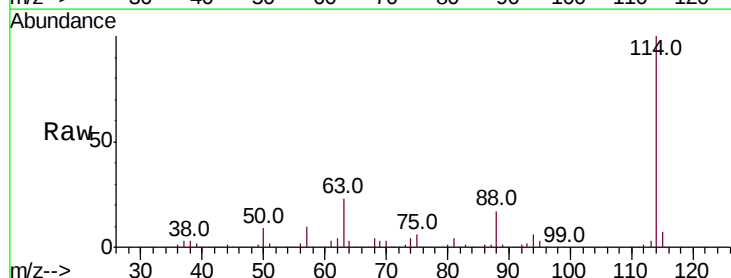
Tgt Ion:114 Resp: 281562

Ion Ratio Lower Upper

114 100

63 23.3 0.0 45.6

88 16.8 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

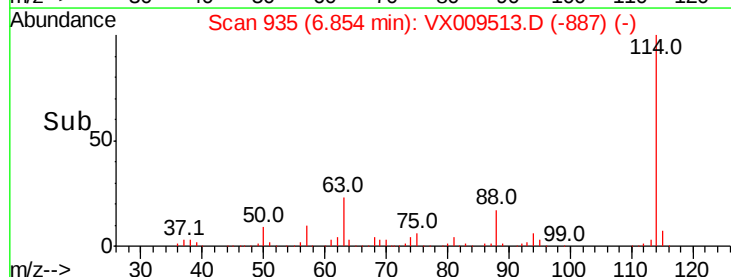
150000

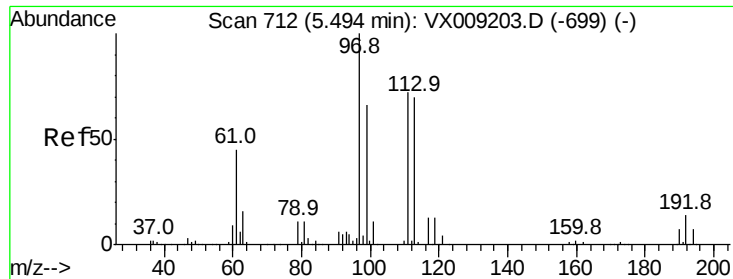
100000

50000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.584 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

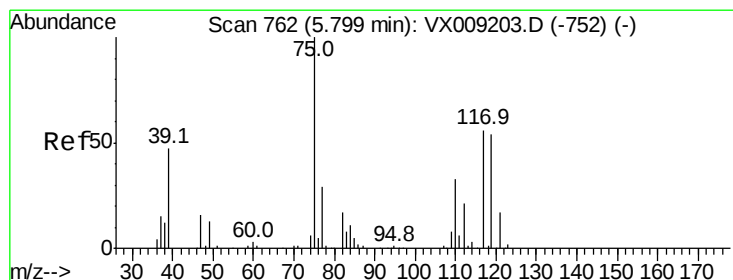
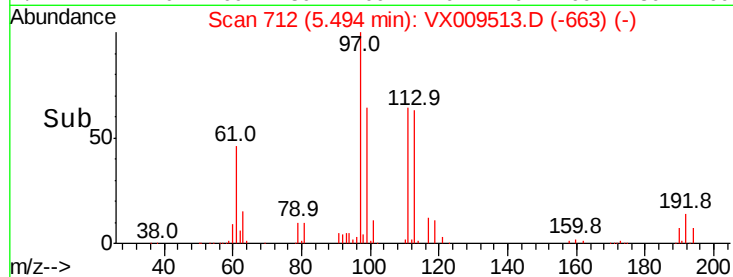
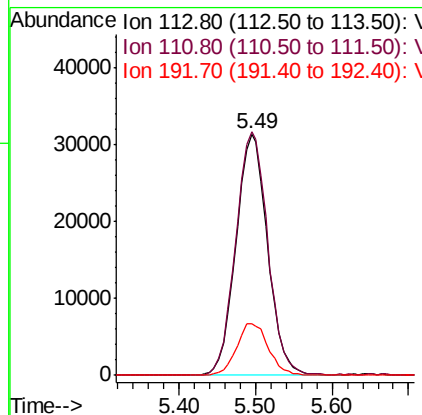
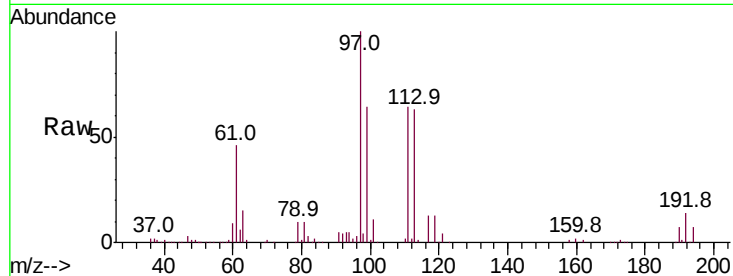
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	89535		
111	102.8	82.8	124.2	
192	21.7	17.0	25.6	

Manual Integrations
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5/13/2019 4:26:54 PM



#36

1,1-Dichloropropene

Concen: 54.086 ug/l

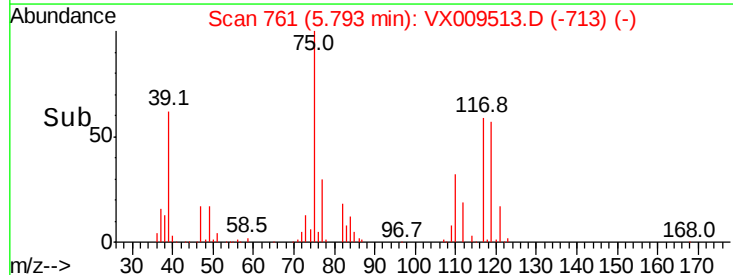
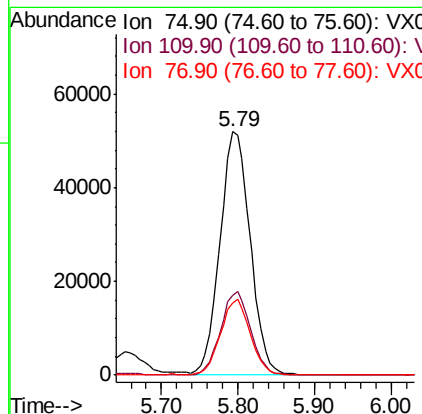
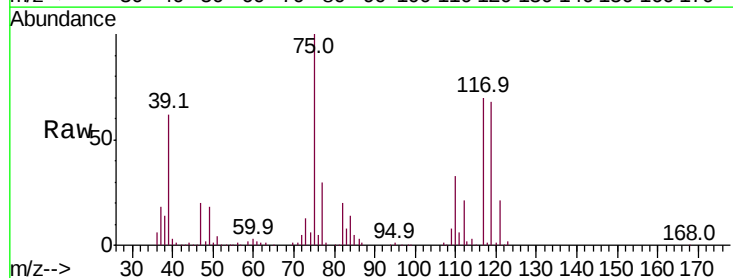
RT: 5.79 min Scan# 761

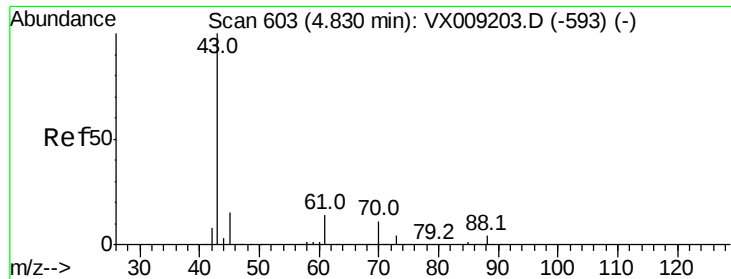
Delta R.T. -0.01 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	141522		
110	34.1	16.9	50.6	
77	30.6	24.8	37.2	





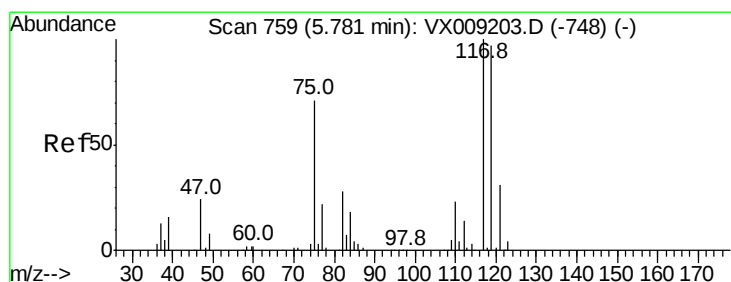
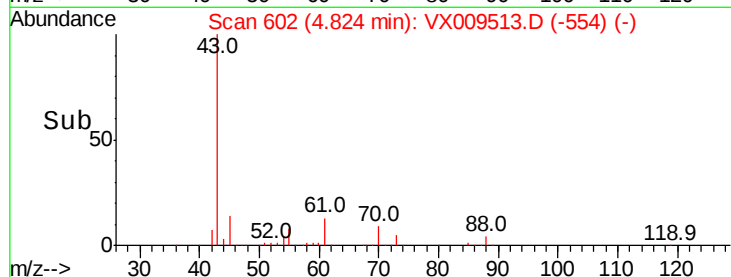
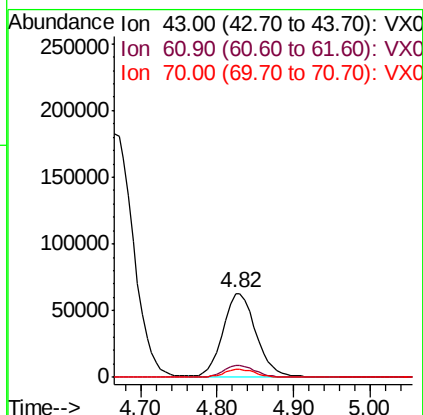
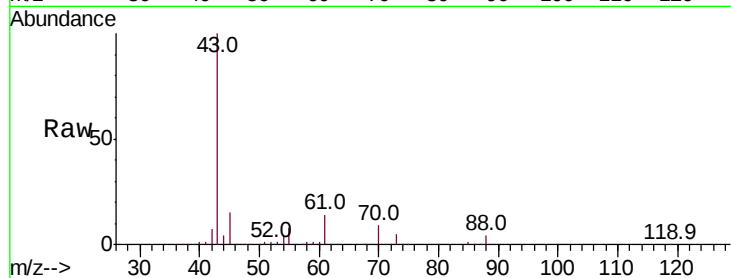
#37
Ethyl Acetate
Concen: 51.245 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.01 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.5	15.7
70	9.5	7.9	11.9

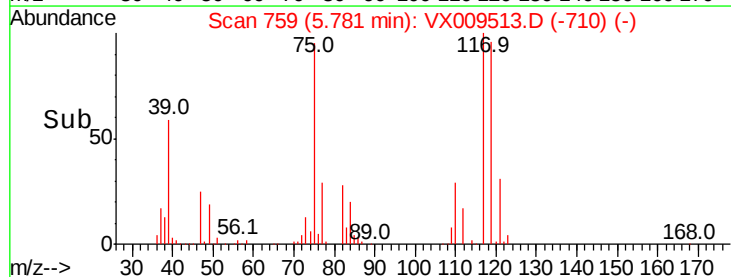
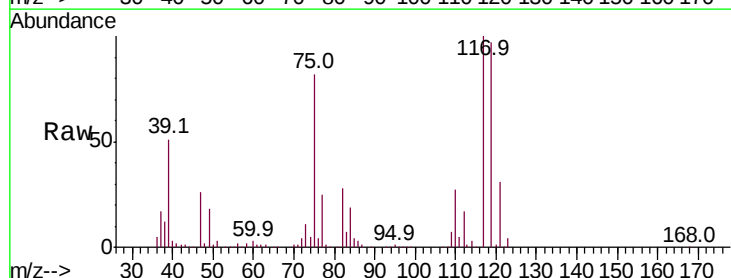
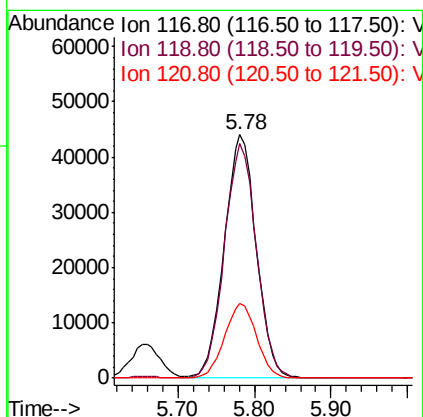
Manual Integrations
APPROVED

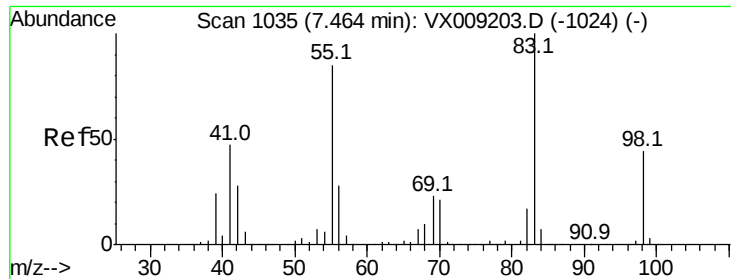
MMDadoda
5/13/2019 4:26:54 PM



#38
Carbon Tetrachloride
Concen: 53.553 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.5	116.3
121	30.7	24.7	37.1





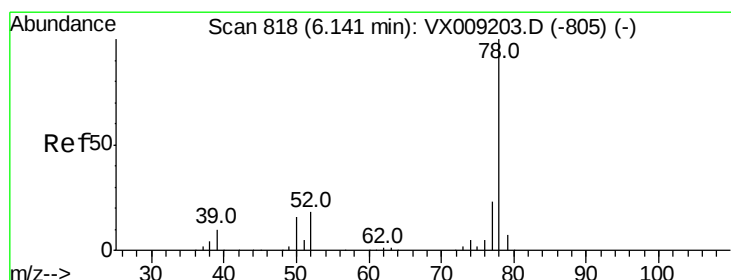
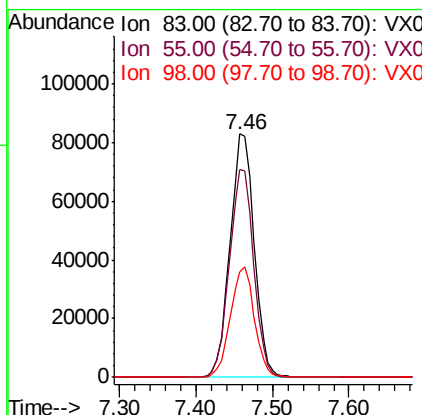
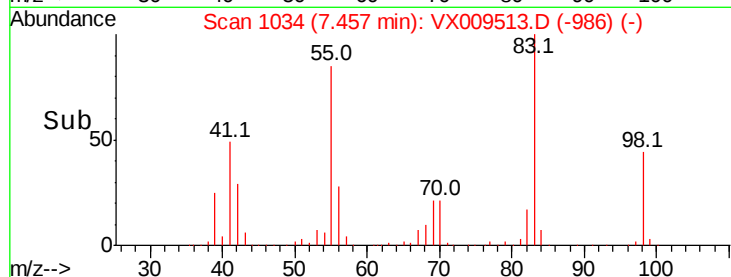
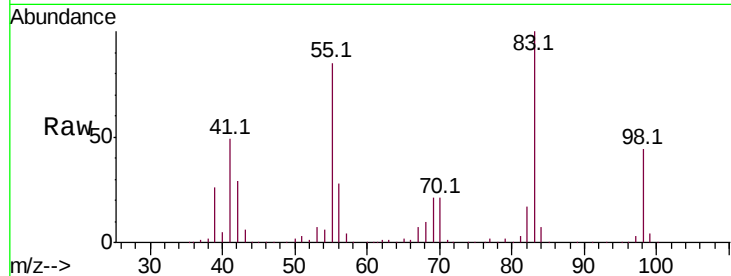
#39
Methvlcvclohexane
Concen: 56.527 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.2	67.7	101.5
98	43.5	35.5	53.3

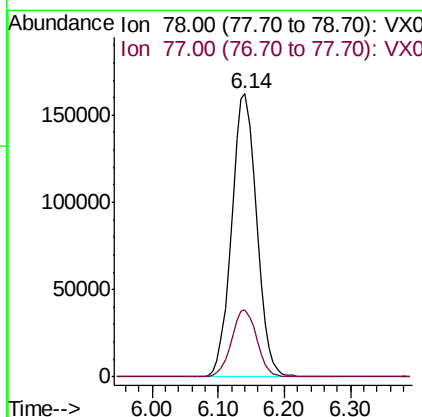
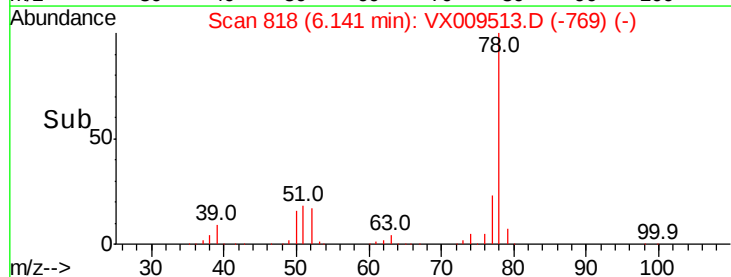
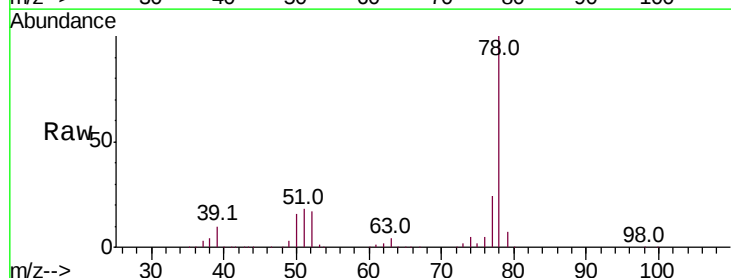
Manual Integrations
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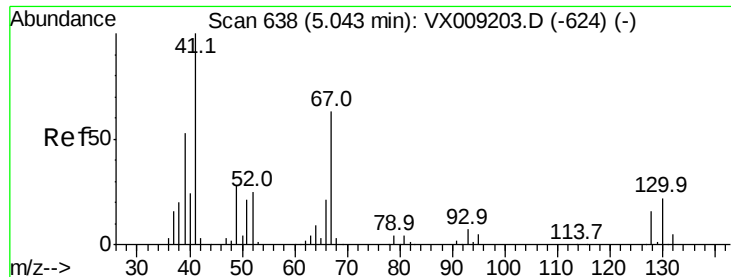
MMDadoda
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#40
Benzene
Concen: 52.662 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2





#41

Methacrylonitrile

Concen: 50.346 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

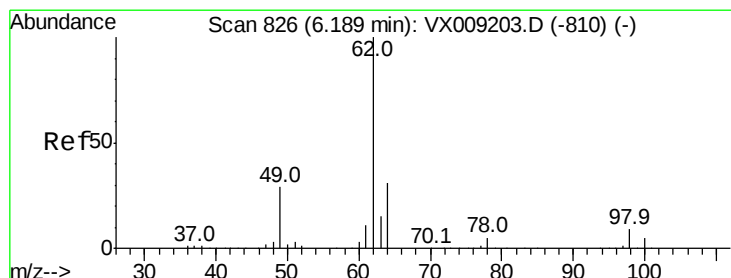
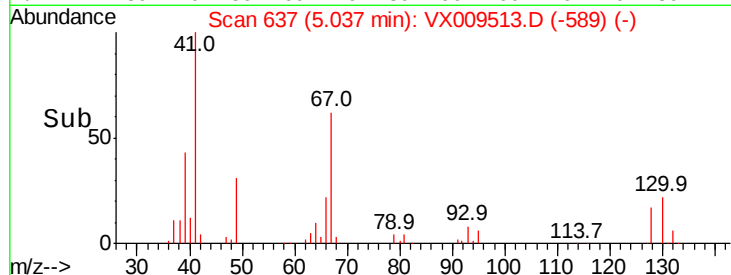
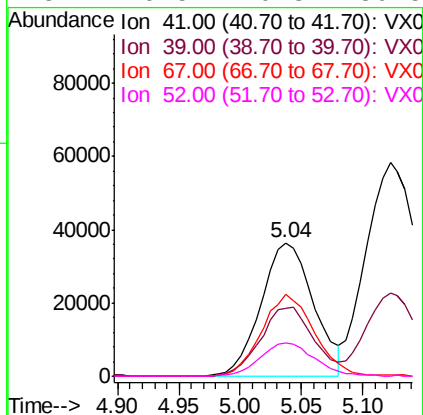
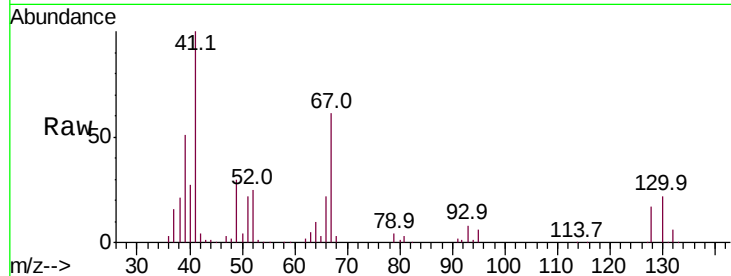
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.7	42.0	63.0	
67	61.7	49.8	74.8	
52	26.5	20.3	30.5	

Manual Integrations
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5/13/2019 4:26:54 PM



#42

1,2-Dichloroethane

Concen: 52.814 ug/l

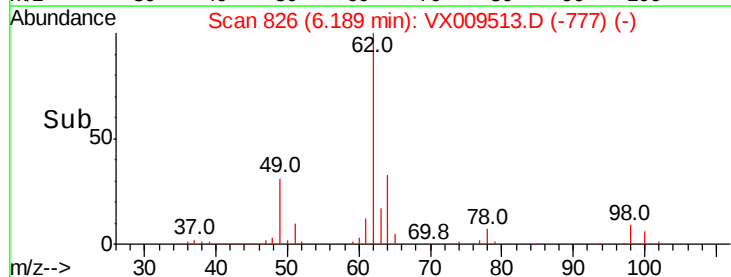
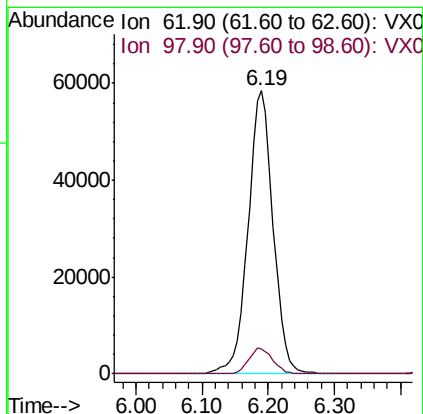
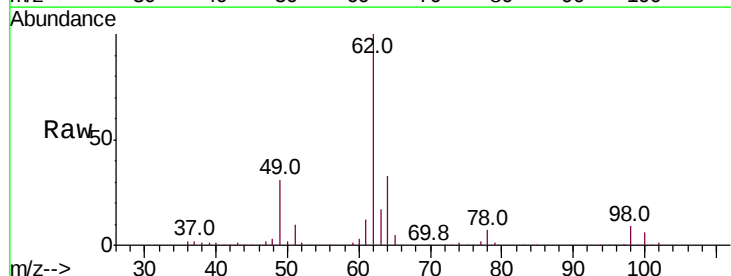
RT: 6.19 min Scan# 826

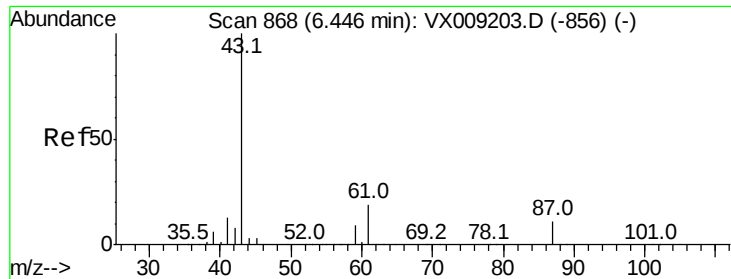
Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	18.2	





#43

Isopropyl Acetate

Concen: 52.219 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

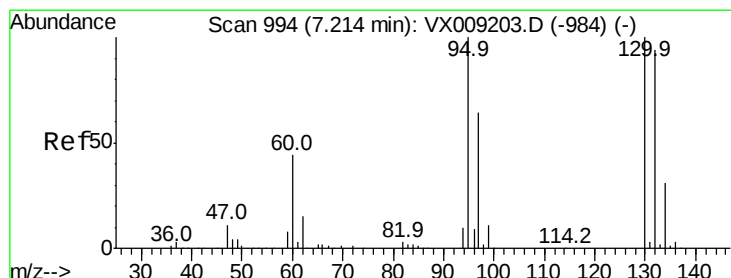
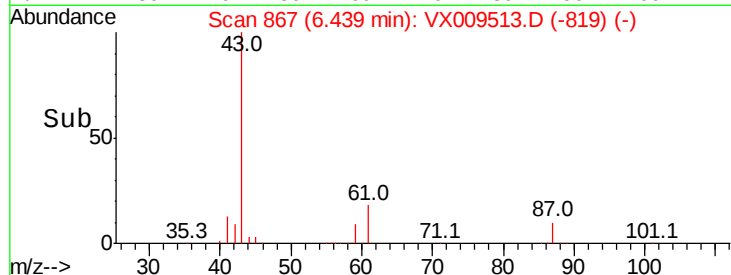
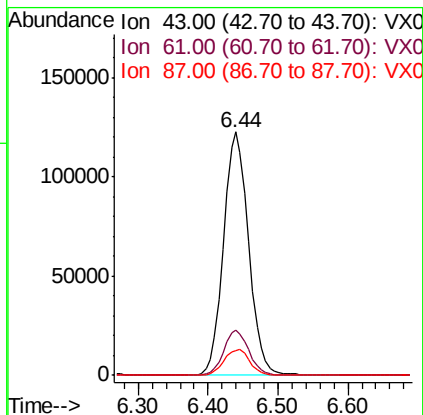
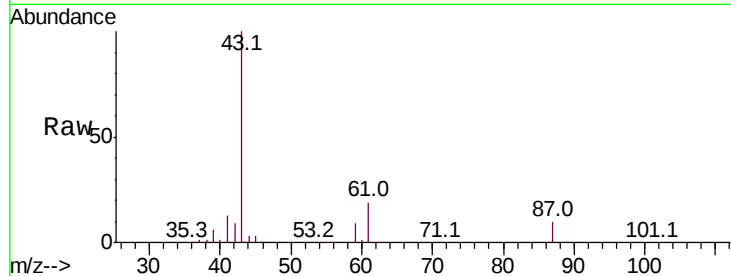
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	304511
Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.1	22.7
87	11.2	9.0	13.6

Manual Integrations
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#44

Trichloroethene

Concen: 53.022 ug/l

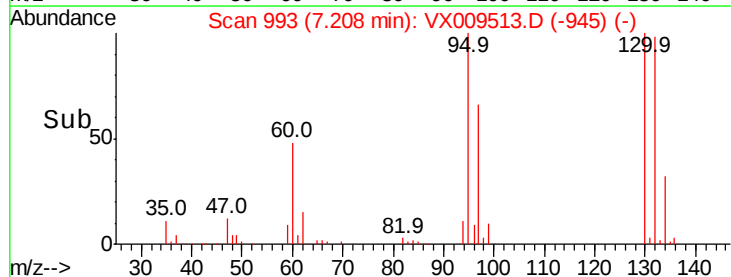
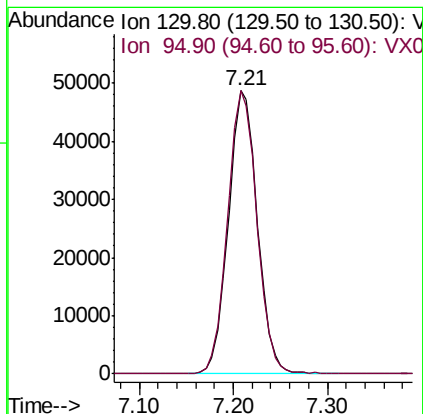
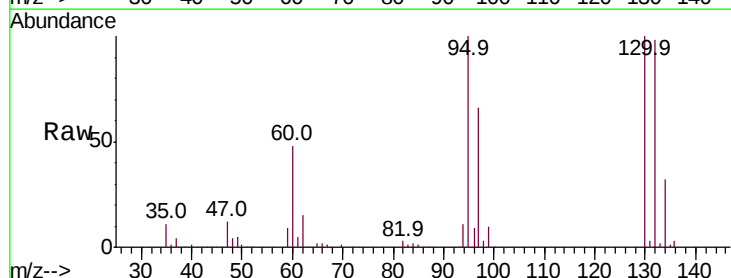
RT: 7.21 min Scan# 993

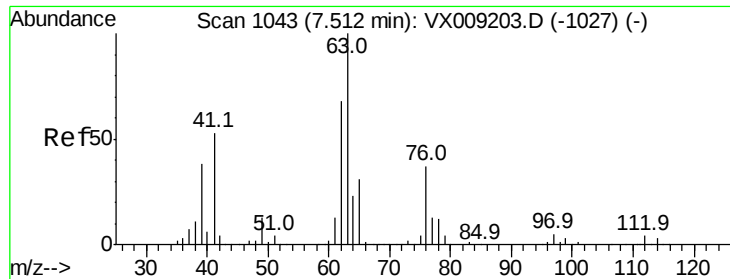
Delta R.T. -0.01 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Tgt Ion:	130	Resp:	103800
Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	199.2





#45

1,2-Dichloropropane

Concen: 52.030 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 119304

Ion Ratio Lower Upper

63 100

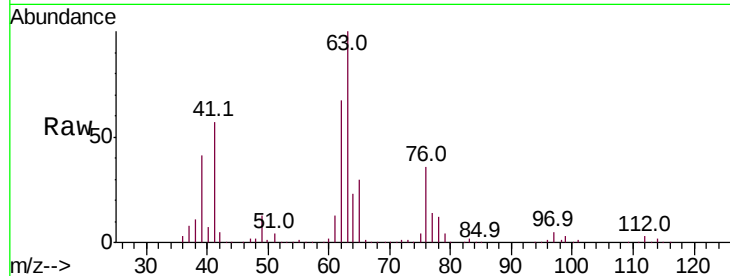
65 29.7 25.0 37.6

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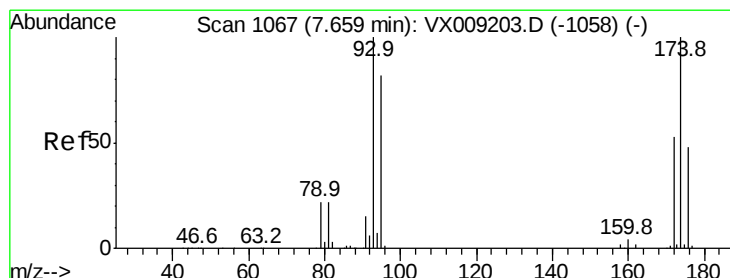
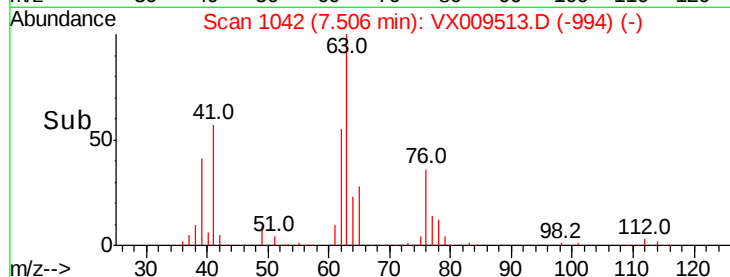
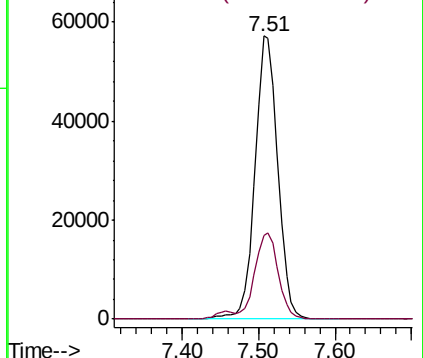
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 51.772 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

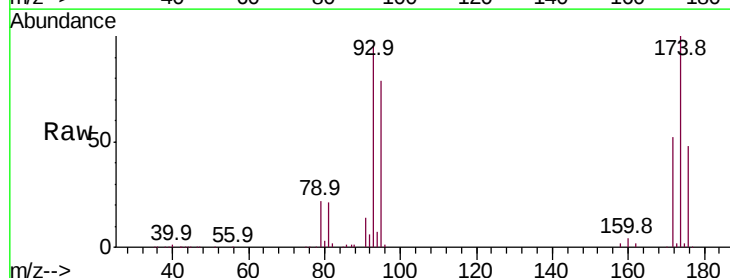
Tgt Ion: 93 Resp: 68937

Ion Ratio Lower Upper

93 100

95 84.1 66.5 99.7

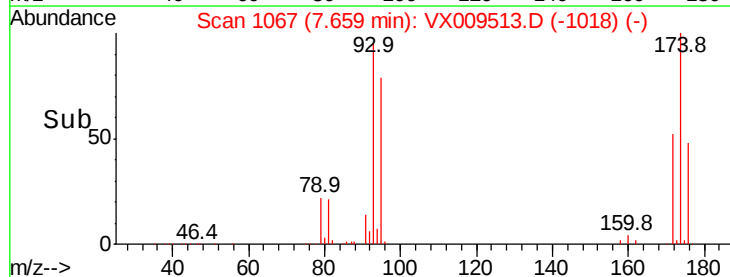
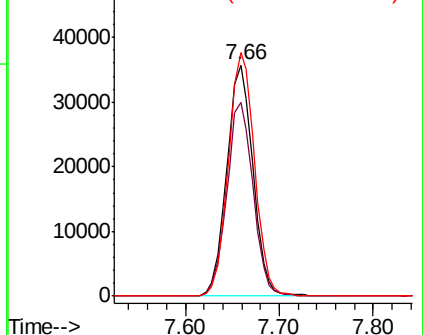
174 105.6 82.1 123.1

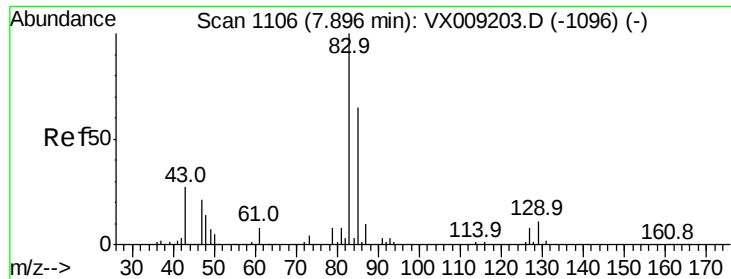


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 53.254 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

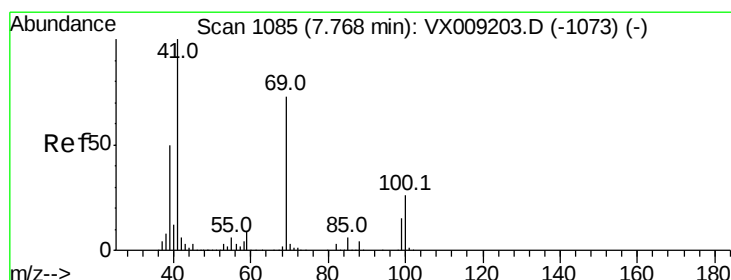
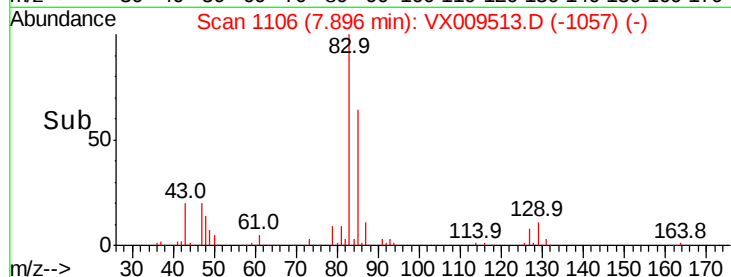
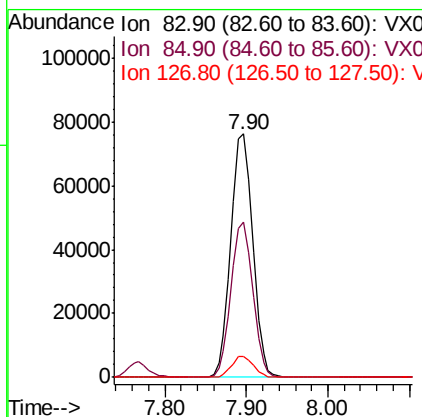
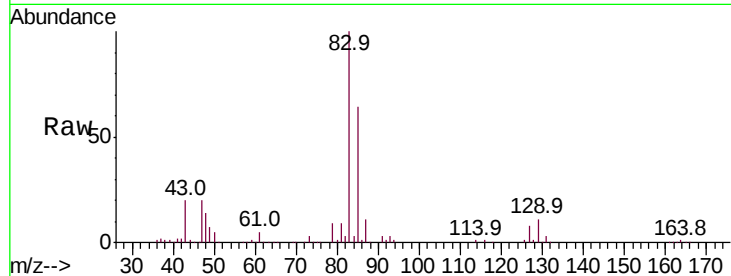
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	141450
Ion Ratio	Lower	Upper	
83	100		
85	63.8	52.4	78.6
127	8.3	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.467 ug/l

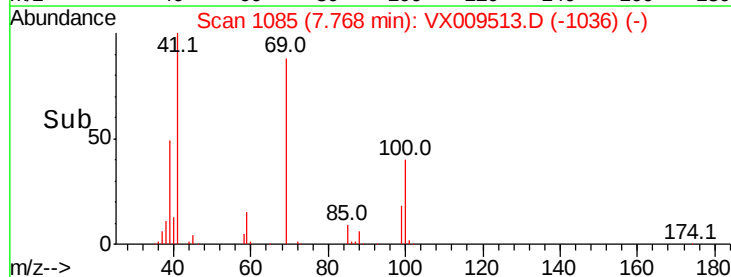
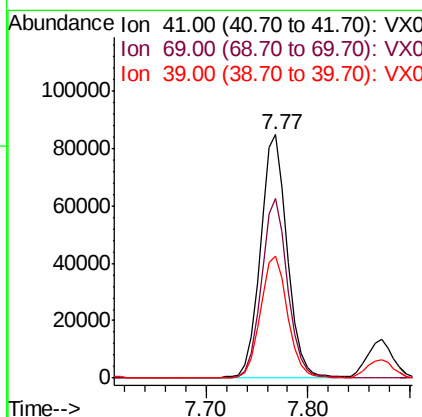
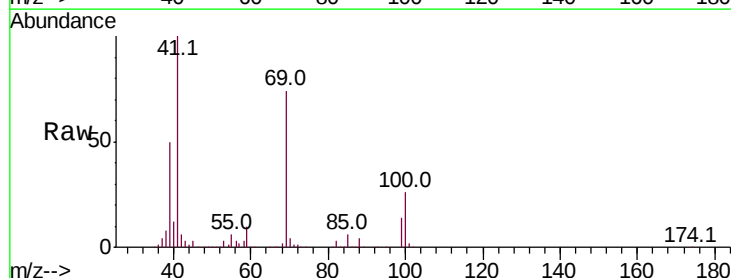
RT: 7.77 min Scan# 1085

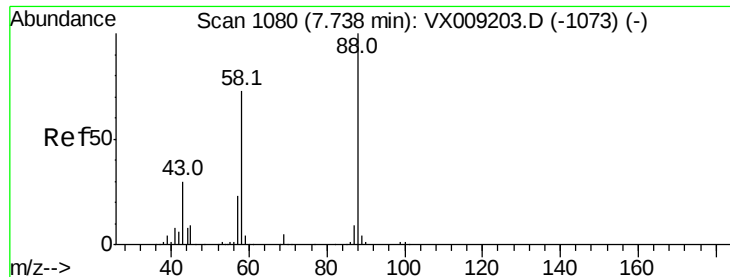
Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Tgt Ion:	41	Resp:	154687
Ion Ratio	Lower	Upper	
41	100		
69	72.8	59.1	88.7
39	50.7	40.4	60.6





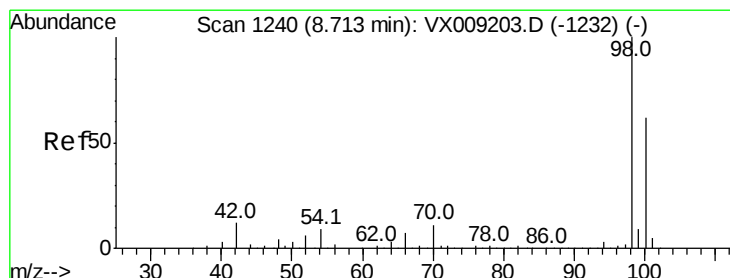
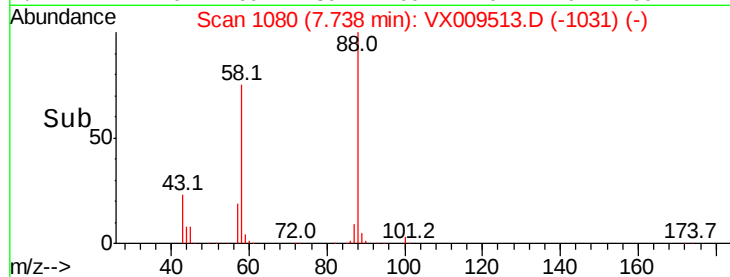
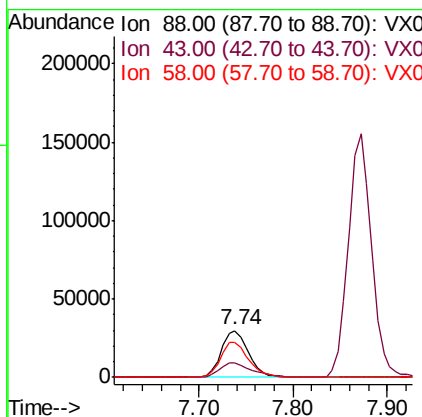
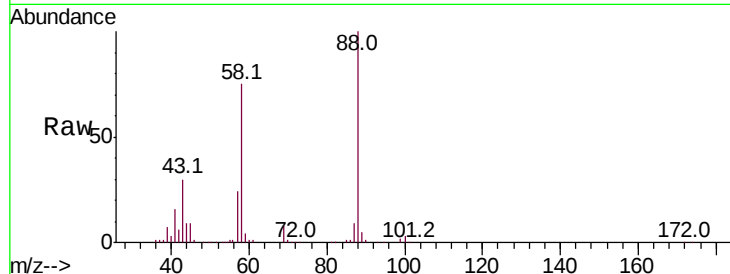
#49
1,4-Dioxane
Concen: 1019.729 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.8	28.6	42.8
58	77.1	61.7	92.5

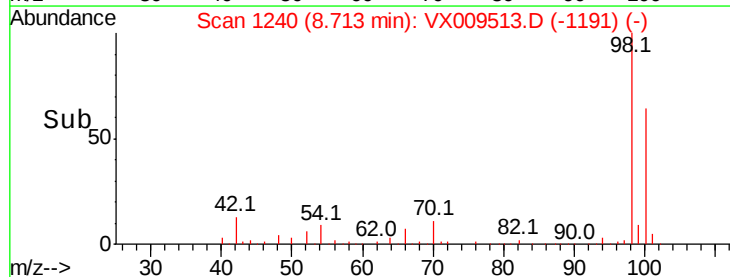
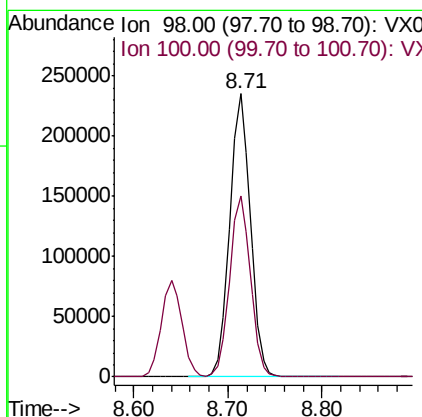
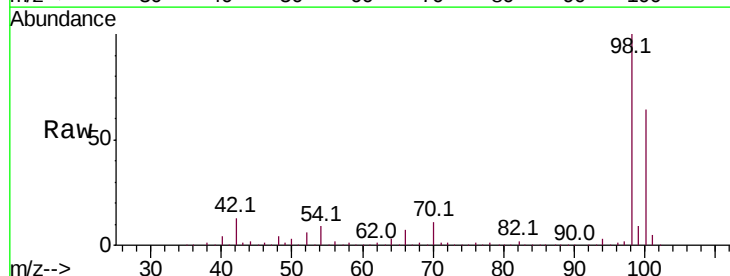
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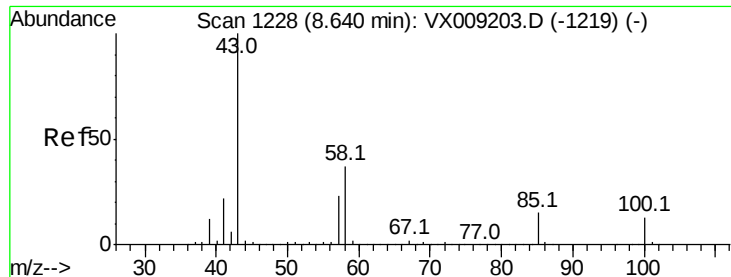
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#50
Toluene-d8
Concen: 50.181 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 260.026 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 991110

Ion Ratio Lower Upper

43 100

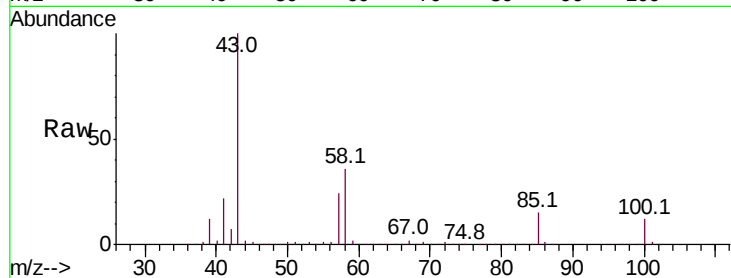
58 36.5 29.5 44.3

Manual Integrations

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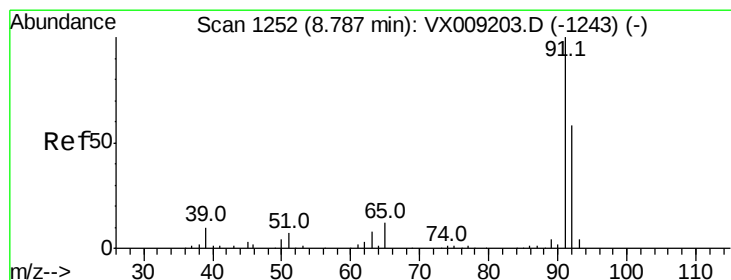
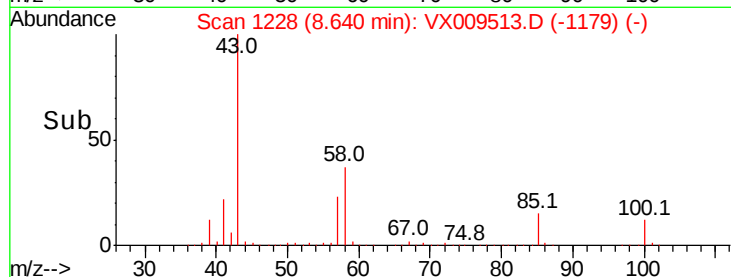
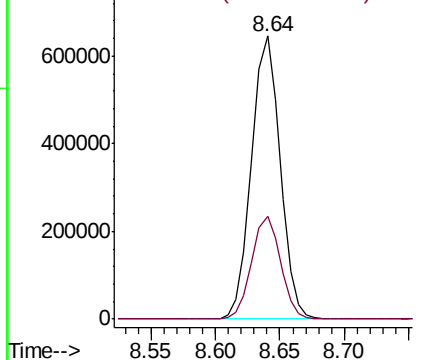
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 53.089 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009513.D

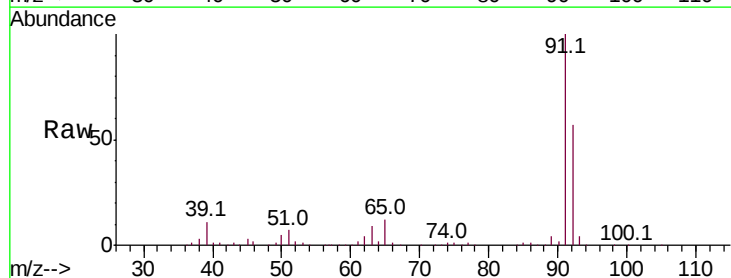
Acq: 11 May 2019 10:14

Tgt Ion: 92 Resp: 261331

Ion Ratio Lower Upper

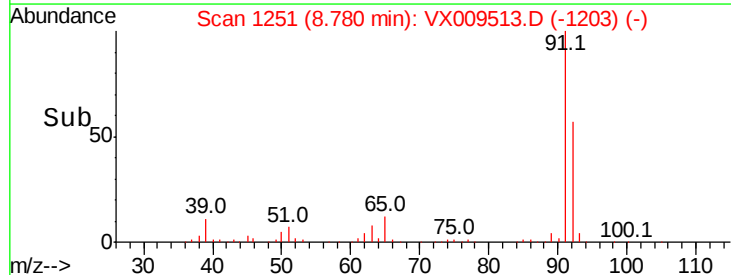
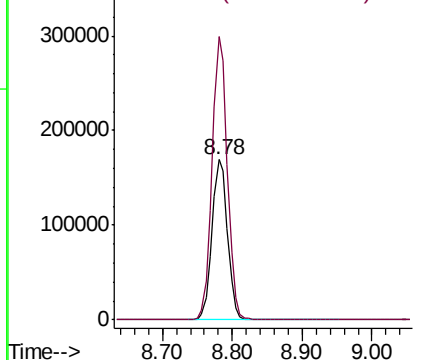
92 100

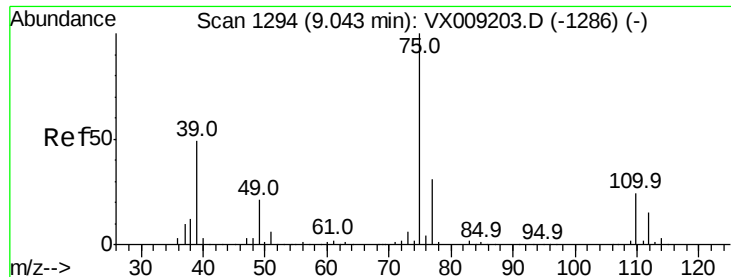
91 173.4 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





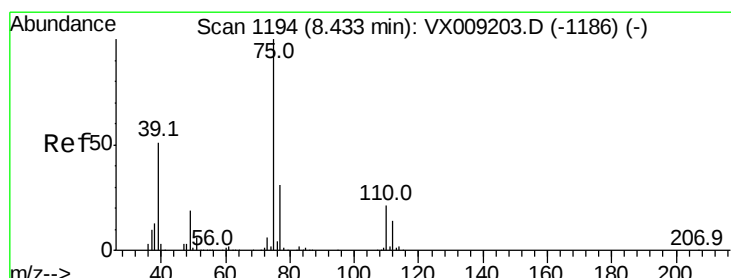
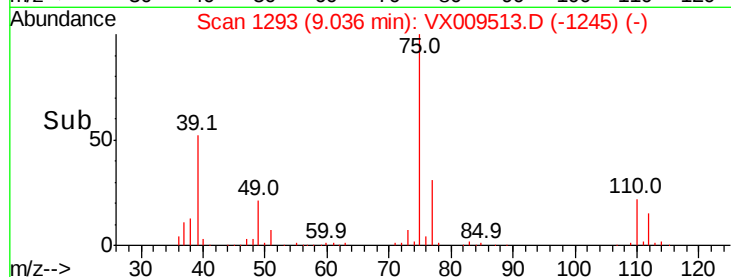
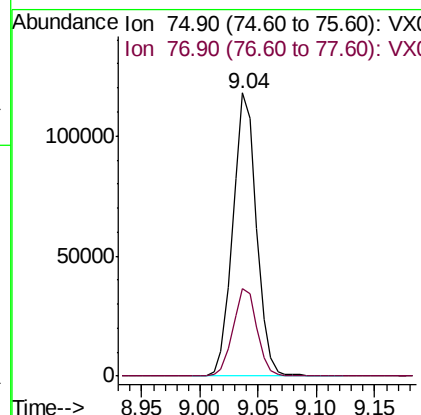
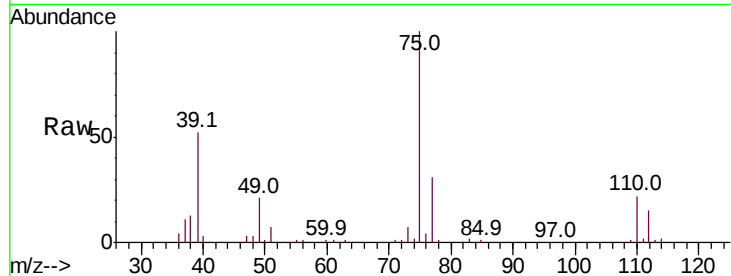
#53
t-1,3-Dichloropropene
Concen: 55.480 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 166372
Ion Ratio Lower Upper
75 100
77 31.0 25.0 37.6

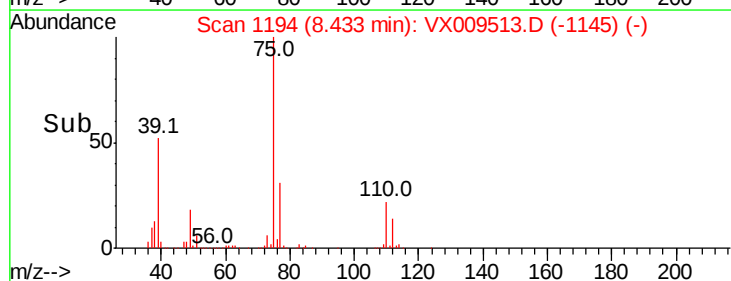
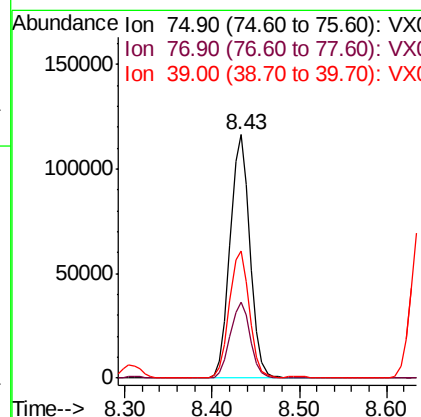
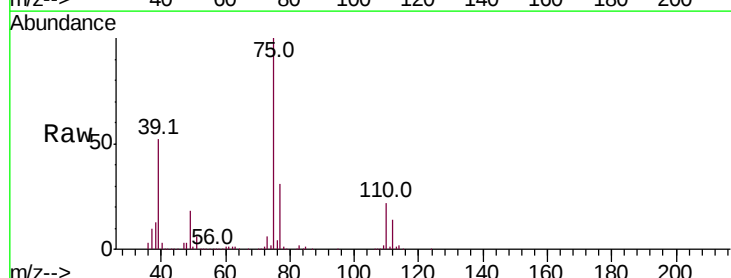
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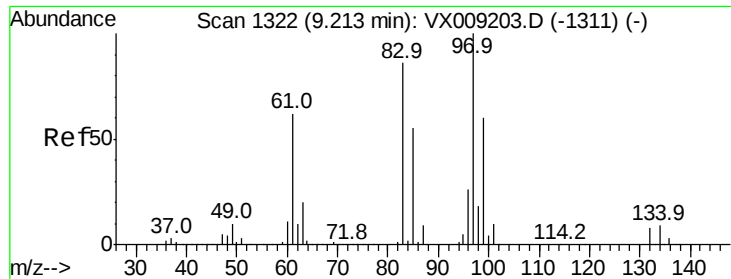
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#54
cis-1,3-Dichloropropene
Concen: 55.134 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Tgt Ion: 75 Resp: 183000
Ion Ratio Lower Upper
75 100
77 31.3 24.6 36.8
39 51.9 40.6 60.8





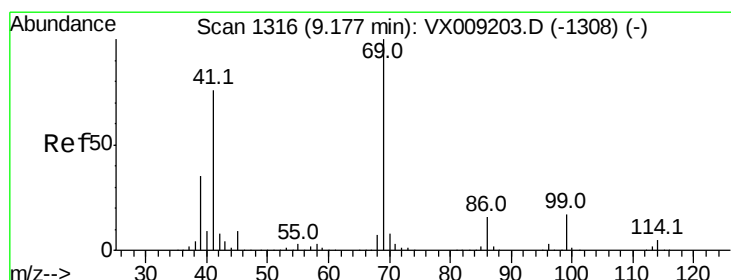
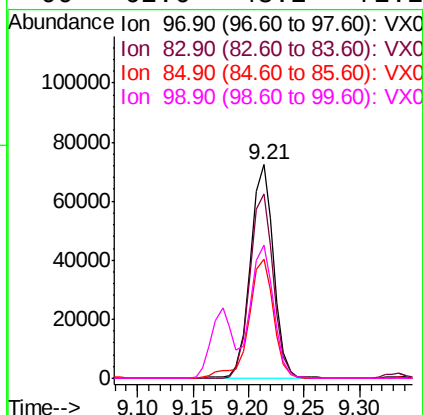
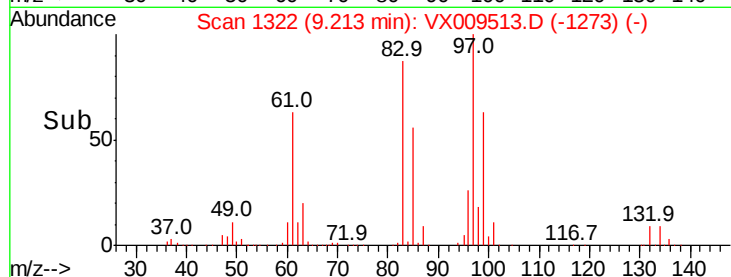
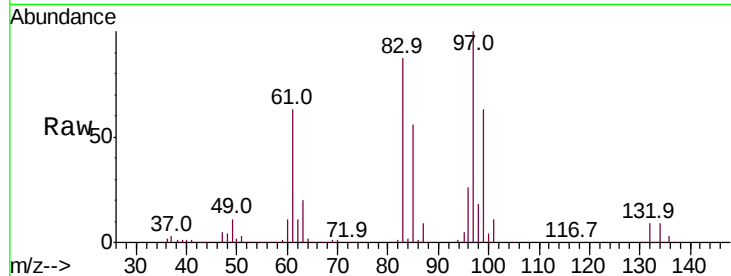
#55
1,1,2-Trichloroethane
Concen: 52.309 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	105050		
83	86.6	68.9	103.3	
85	55.9	43.8	65.6	
99	62.6	48.2	72.2	

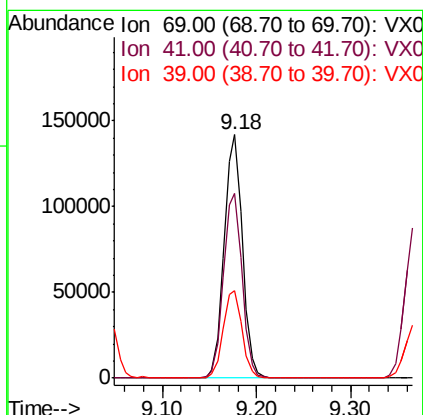
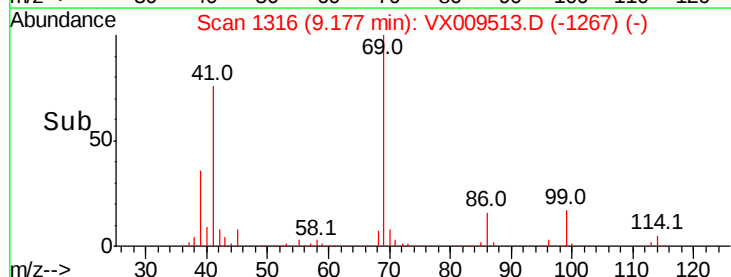
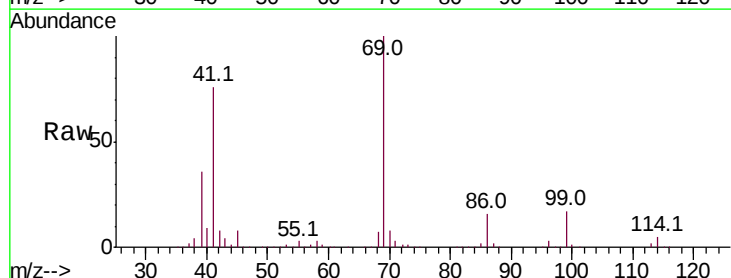
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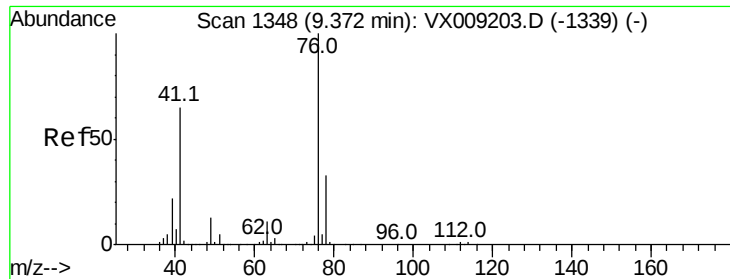
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#56
Ethyl methacrylate
Concen: 53.307 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	191097		
41	77.1	60.6	90.8	
39	36.5	28.2	42.4	





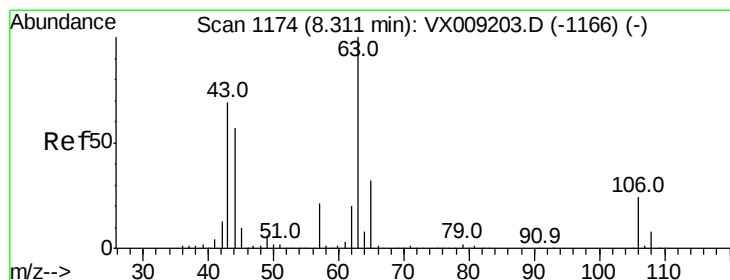
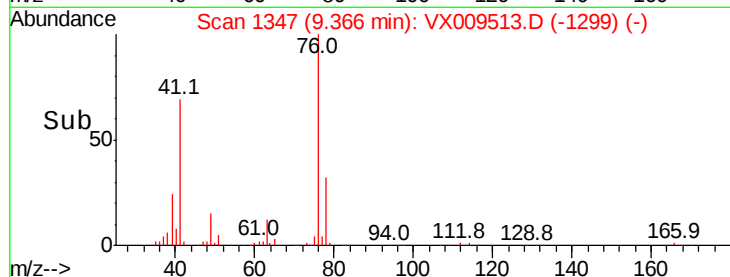
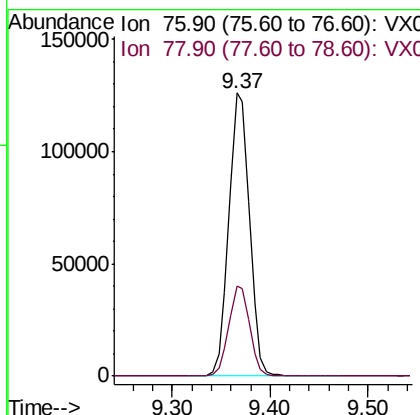
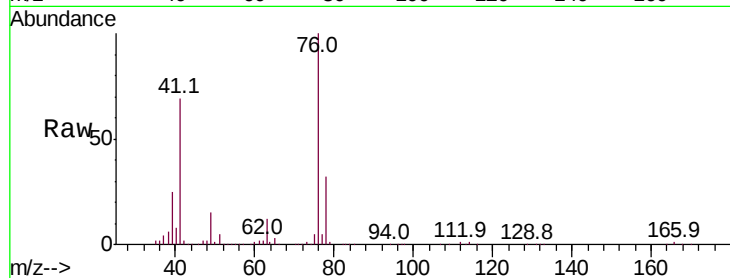
#57
 1,3-Dichloropropane
 Concen: 52.502 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.5	38.3

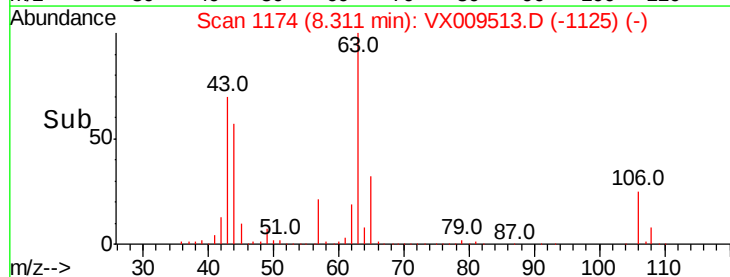
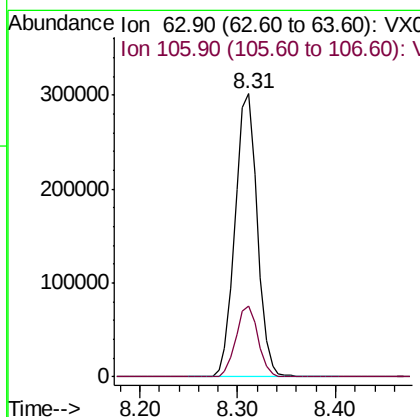
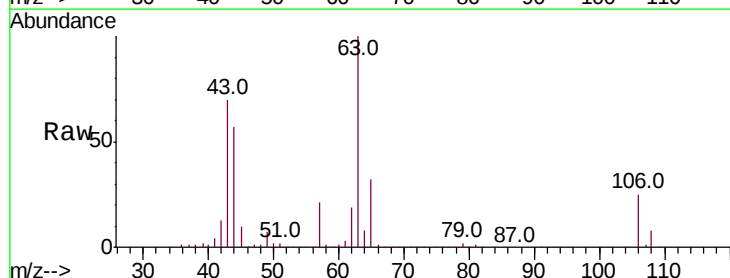
Manual Integrations
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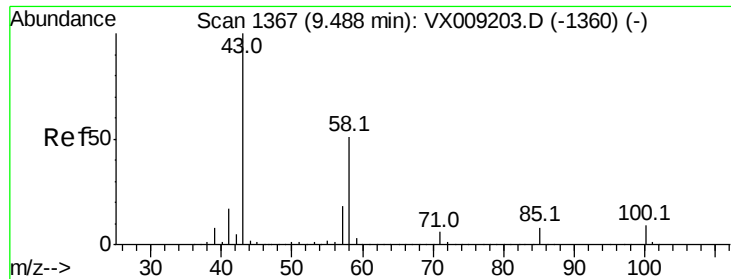
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#58
 2-Chloroethyl Vinyl ether
 Concen: 250.333 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.9	19.7	29.5





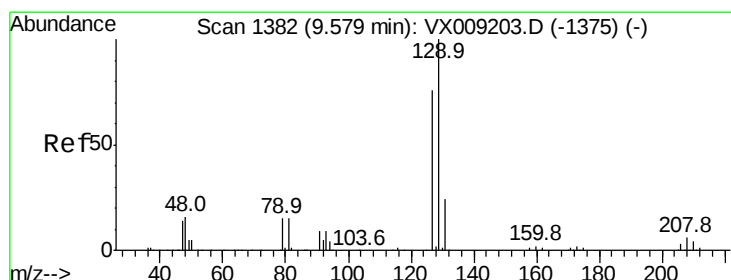
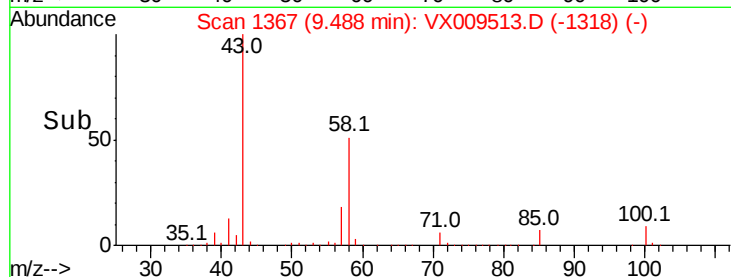
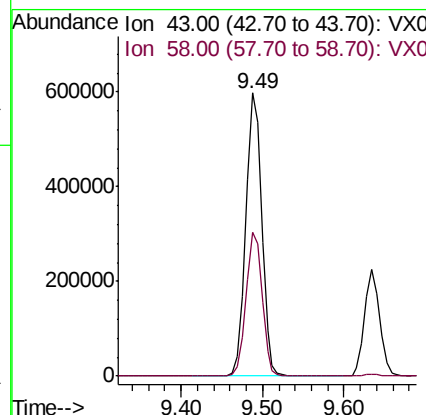
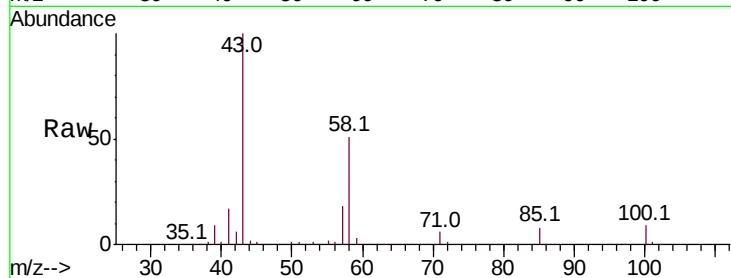
#59
2-Hexanone
Concen: 266.633 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 798182
Ion Ratio Lower Upper
43 100
58 51.5 25.9 77.7

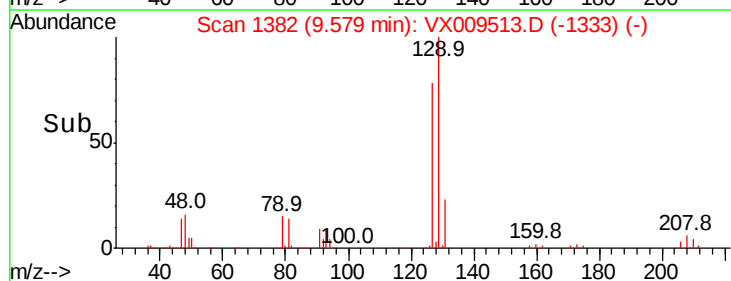
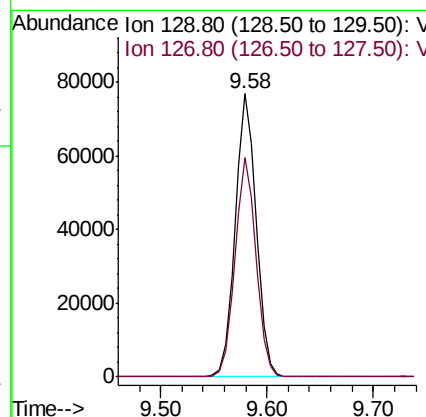
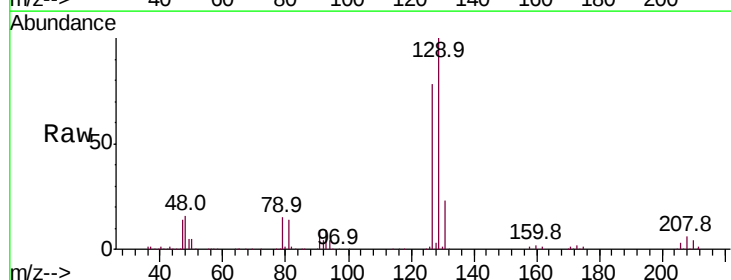
Manual Integrations
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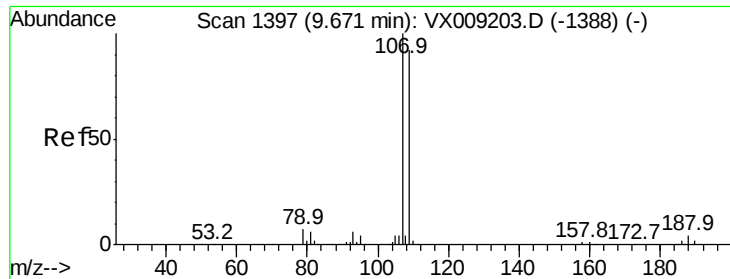
MMDadoda
5/13/2019 4:26:54 PM



#60
Dibromochloromethane
Concen: 54.342 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Tgt Ion: 129 Resp: 106588
Ion Ratio Lower Upper
129 100
127 77.5 38.4 115.1





#61

1,2-Dibromoethane

Concen: 53.428 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 108309

Ion Ratio Lower Upper

107 100

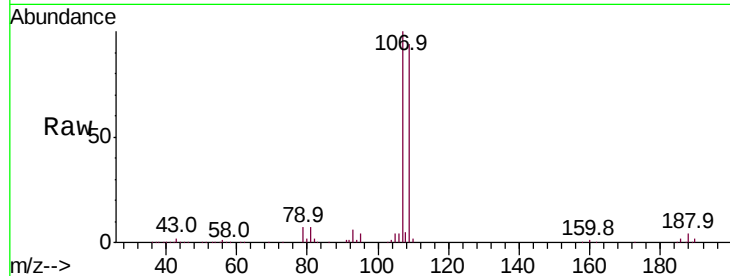
109 94.2 75.2 112.8

Manual Integrations

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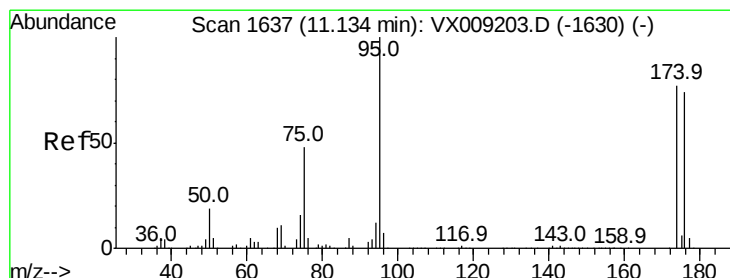
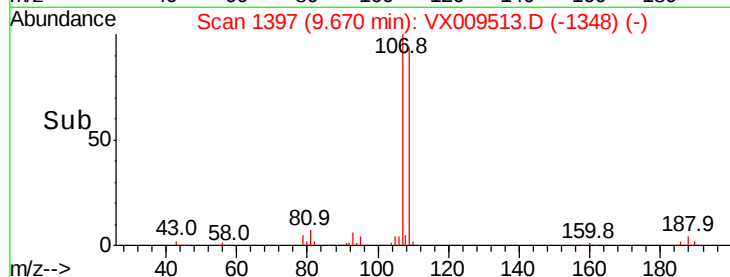
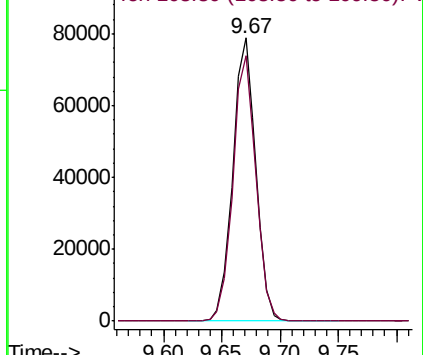
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5/13/2019 4:26:54 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.864 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

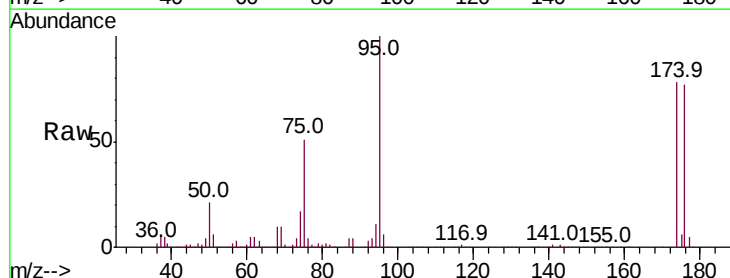
Tgt Ion: 95 Resp: 134670

Ion Ratio Lower Upper

95 100

174 83.0 0.0 161.6

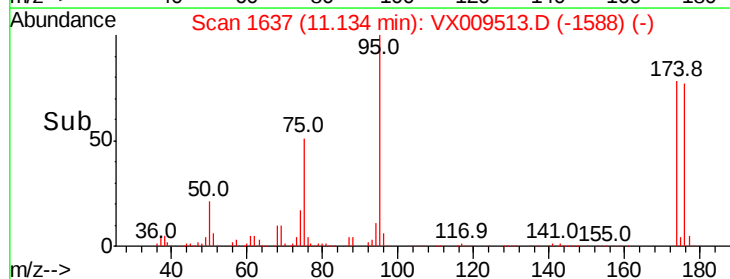
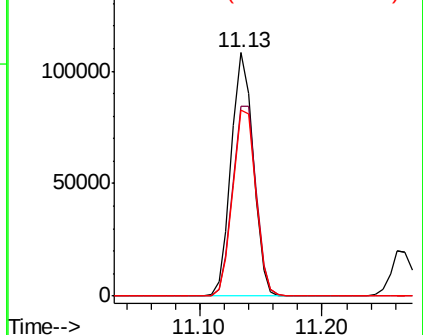
176 80.1 0.0 159.2

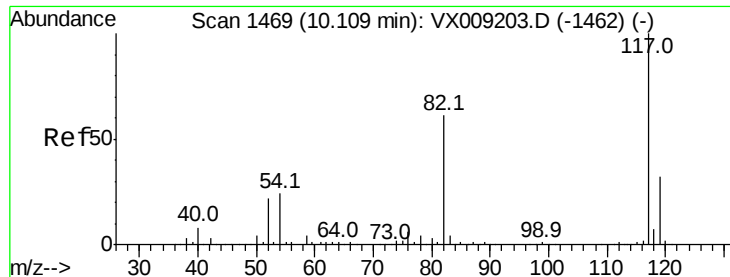


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

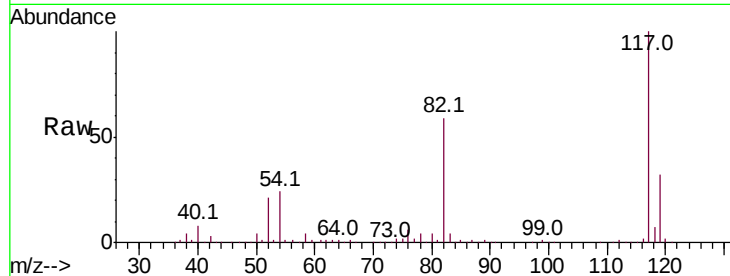
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	254480
Ion Ratio	Lower	Upper	
117	100		
82	59.4	48.8	73.2
119	32.1	25.8	38.6

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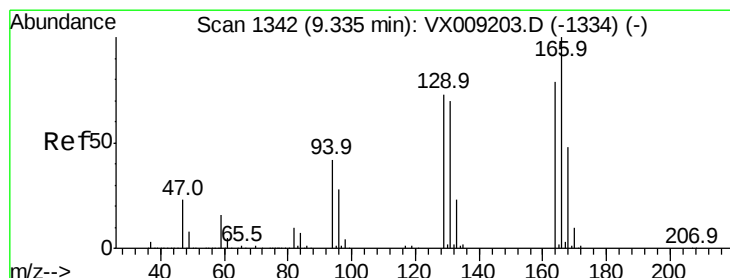
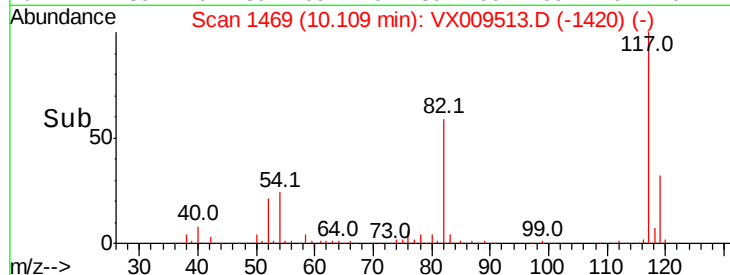
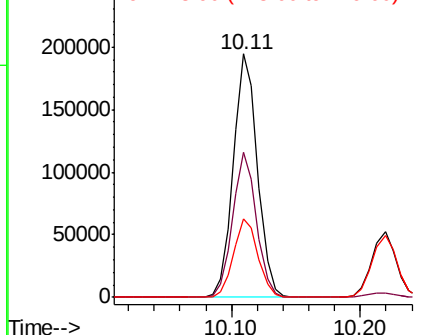


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 54.171 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Tgt Ion:	164	Resp:	94562
Ion Ratio	Lower	Upper	
164	100		
166	127.5	101.2	151.8
129	90.4	74.3	111.5
131	87.6	71.0	106.6

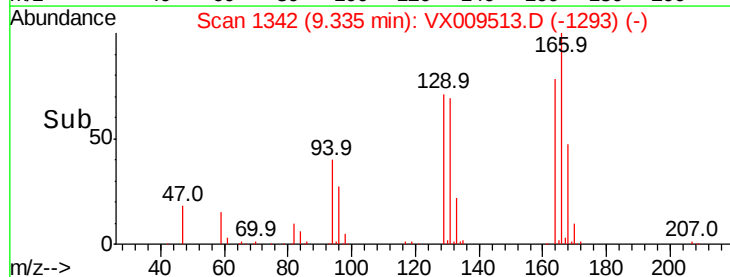
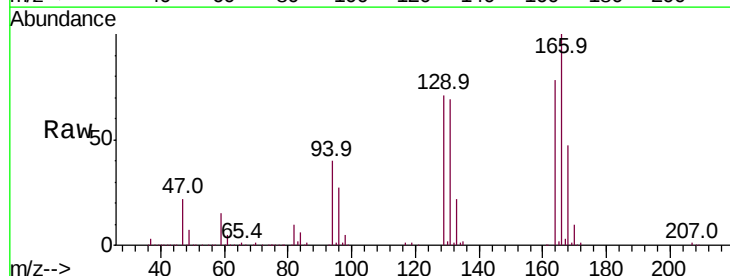
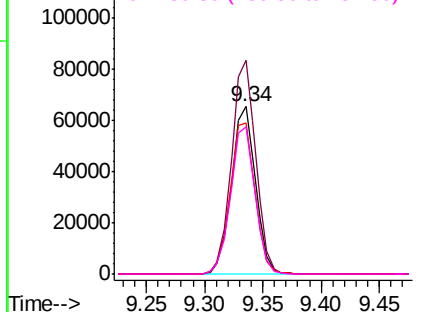
Abundance

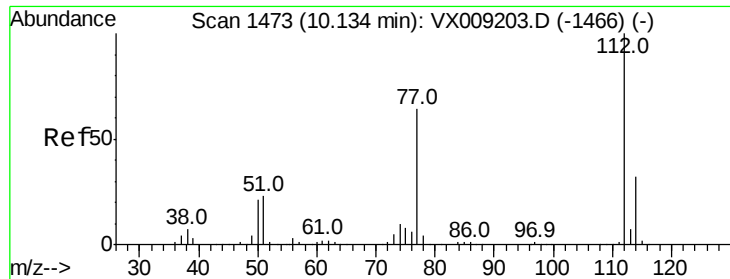
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 53.299 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 271330

Ion Ratio Lower Upper

112 100

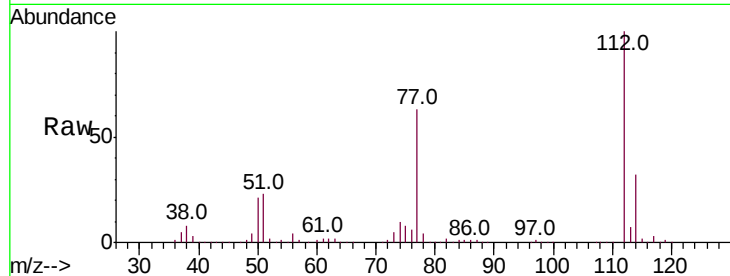
114 32.0 25.5 38.3

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.13

200000

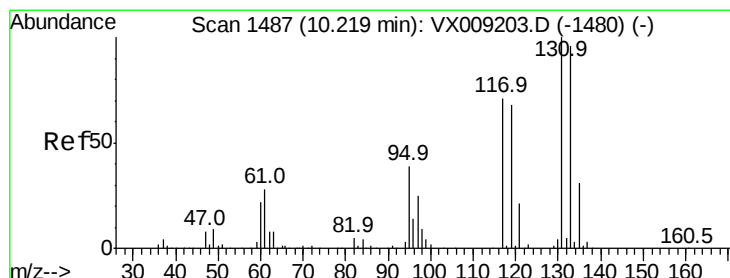
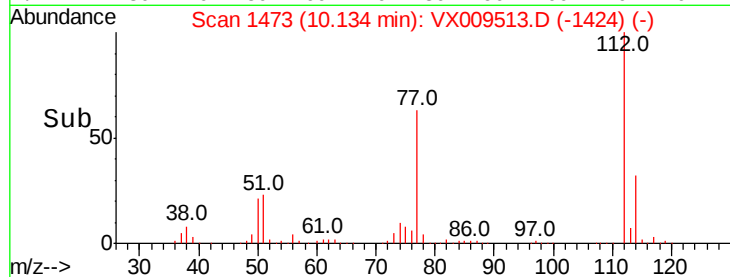
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 53.657 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

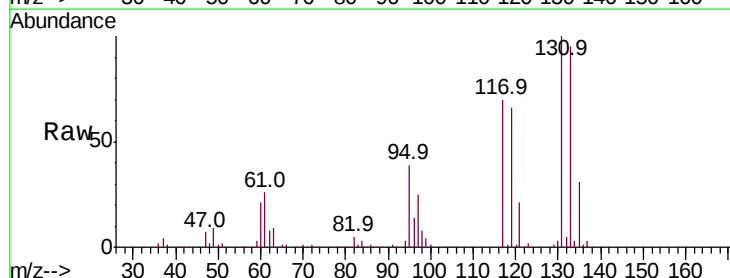
Tgt Ion:131 Resp: 99030

Ion Ratio Lower Upper

131 100

133 94.7 47.7 143.1

119 66.8 33.5 100.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.22

100000

80000

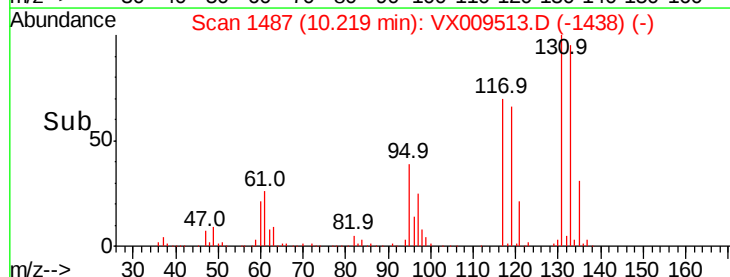
60000

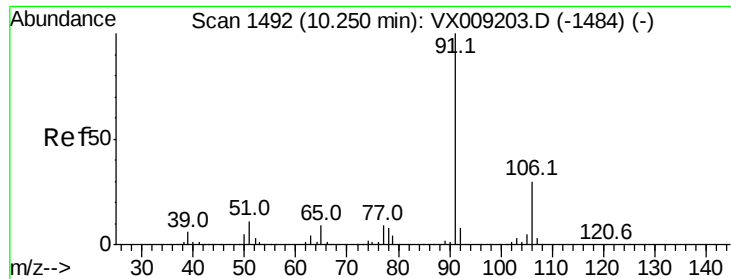
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 54.646 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 511976

Ion Ratio Lower Upper

91 100

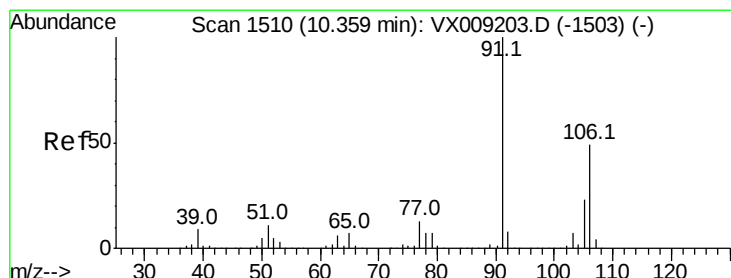
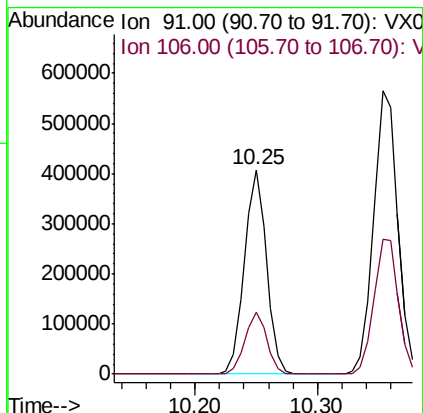
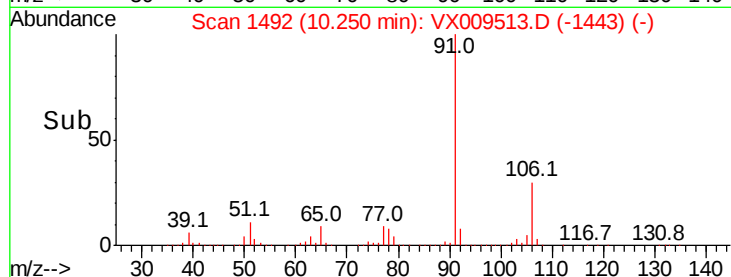
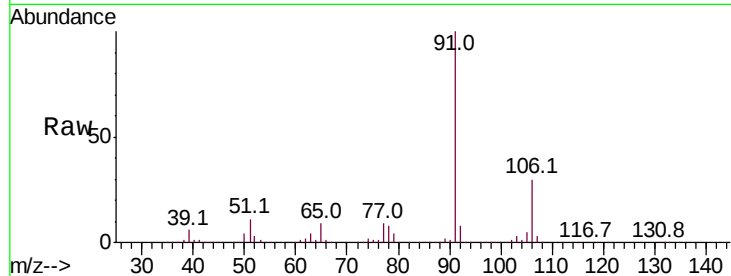
106 30.1 24.0 36.0

Manual Integrations

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5/13/2019 4:26:54 PM



#68

m/p-Xylenes

Concen: 109.663 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX009513.D

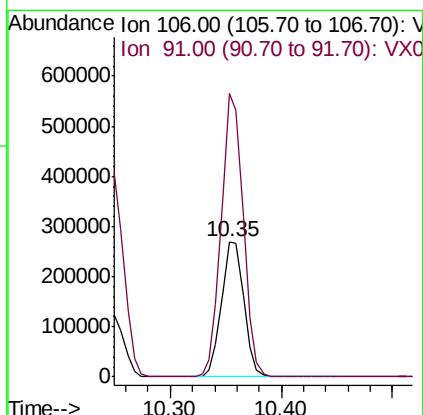
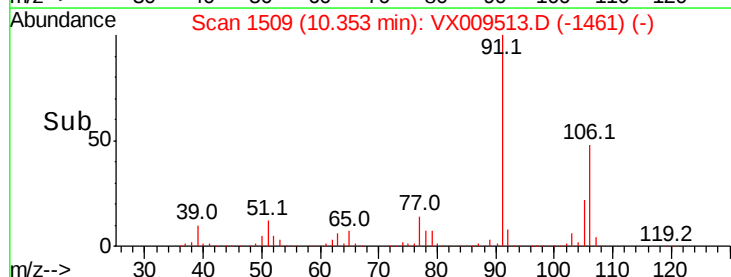
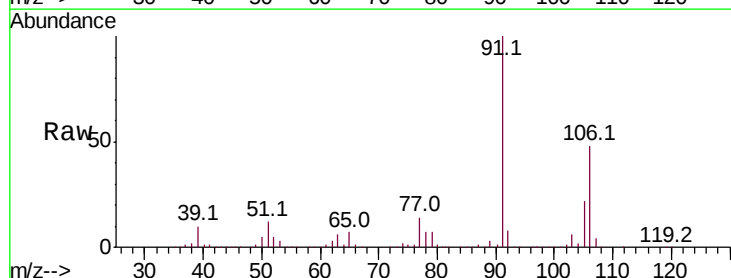
Acq: 11 May 2019 10:14

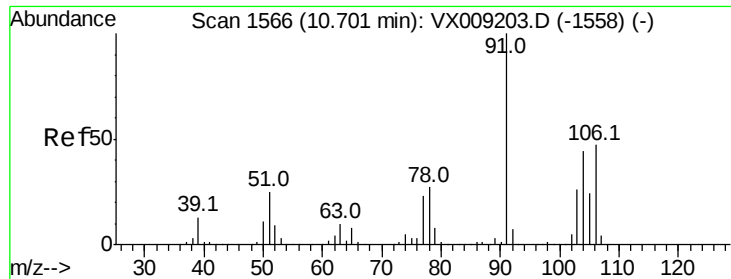
Tgt Ion: 106 Resp: 375454

Ion Ratio Lower Upper

106 100

91 206.6 164.0 246.0





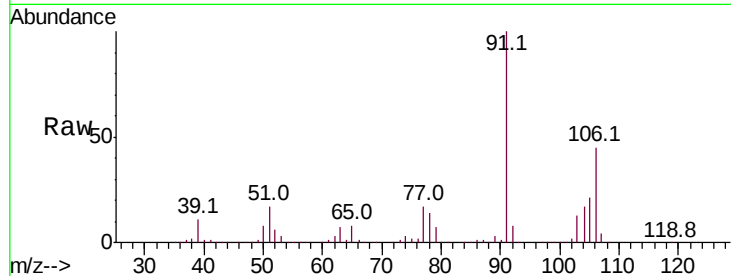
#69
o-Xylene
Concen: 54.178 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

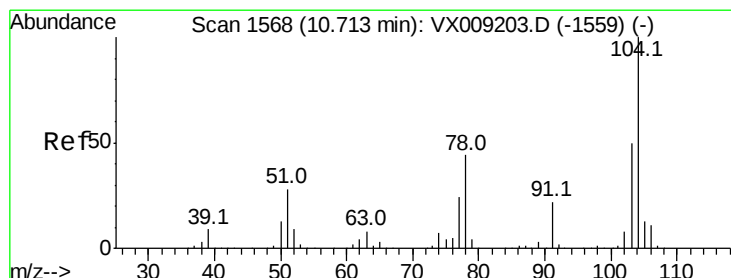
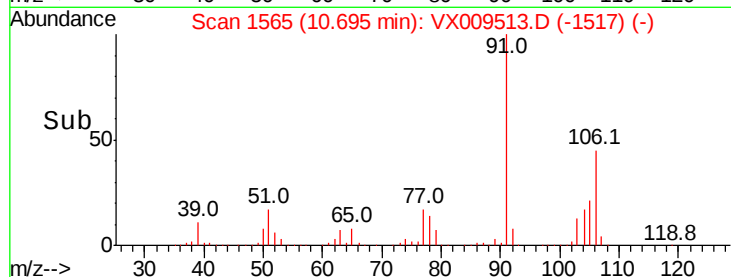
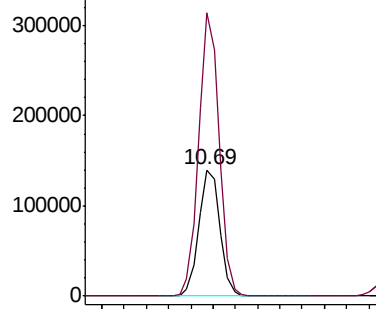
Tot Ion:106 Resp: 183013
Ion Ratio Lower Upper
106 100
91 217.4 109.5 328.4

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5/13/2019 4:26:54 PM

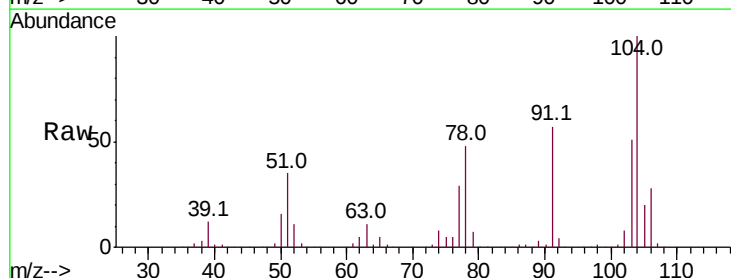


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

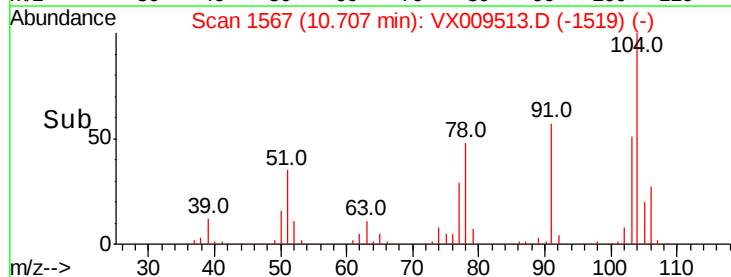
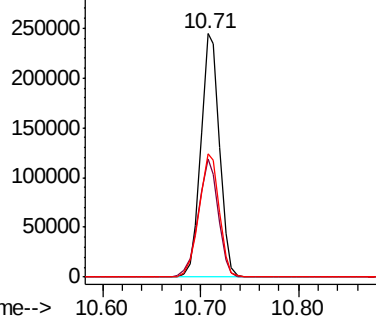


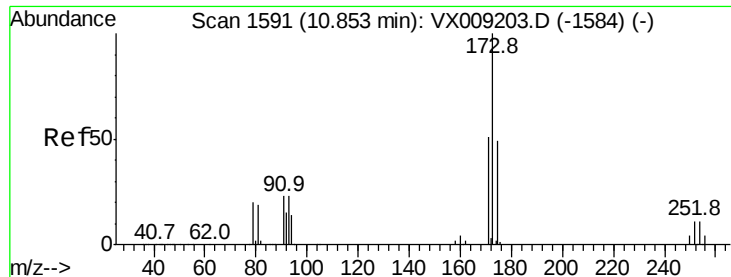
#70
Styrene
Concen: 54.965 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Tgt Ion:104 Resp: 322710
Ion Ratio Lower Upper
104 100
78 51.8 41.0 61.4
103 55.1 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 55.089 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 82624

Ion Ratio Lower Upper

173 100

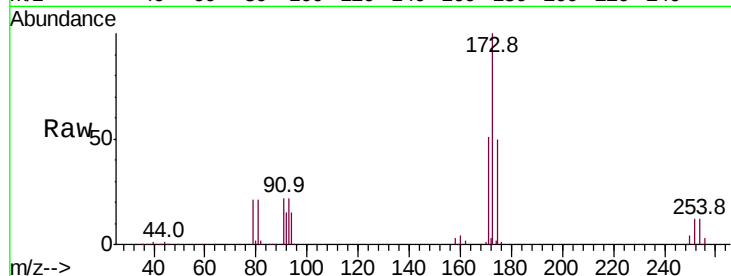
175 48.6 24.5 73.5

254 0.2 0.1 0.1#

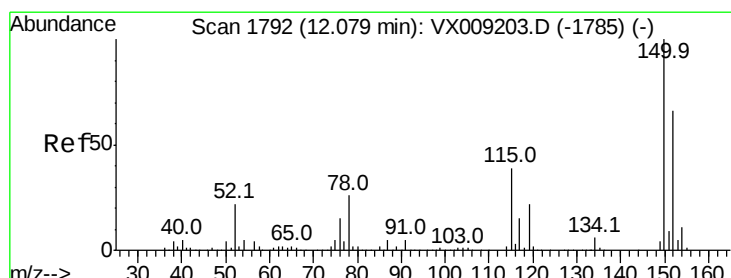
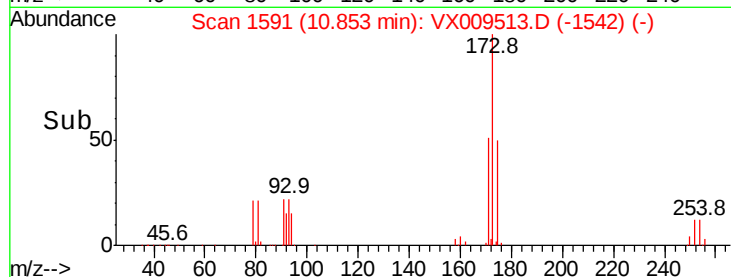
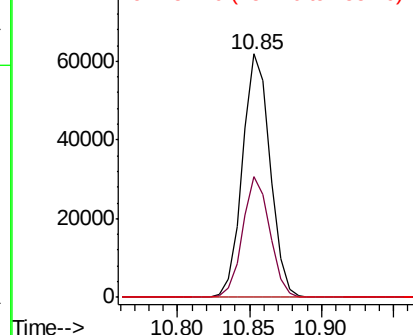
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

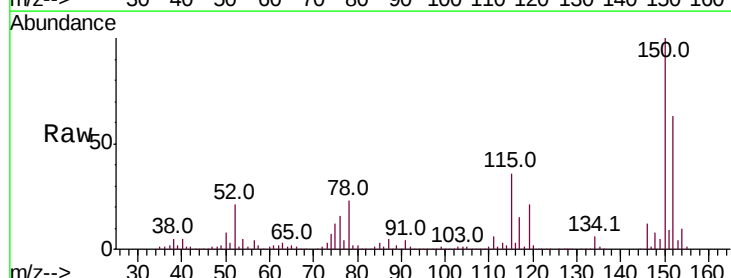
Tgt Ion:152 Resp: 133699

Ion Ratio Lower Upper

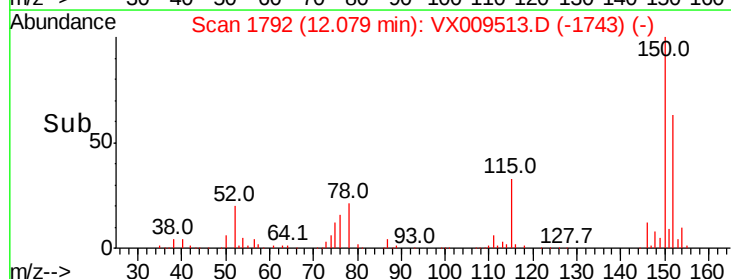
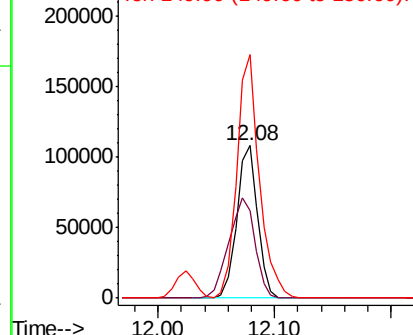
152 100

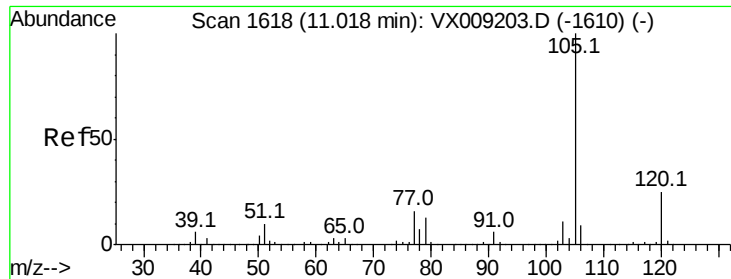
115 82.6 41.2 123.6

150 173.6 0.0 346.4



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





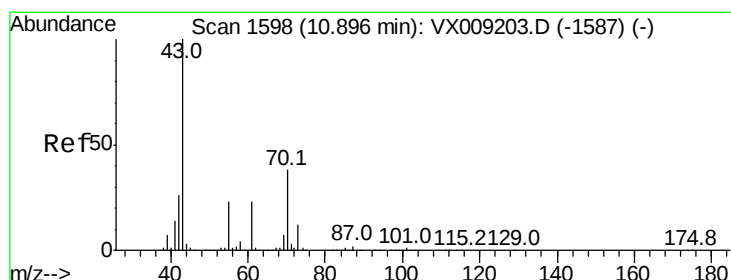
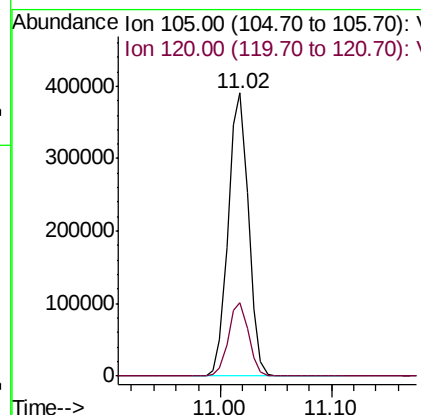
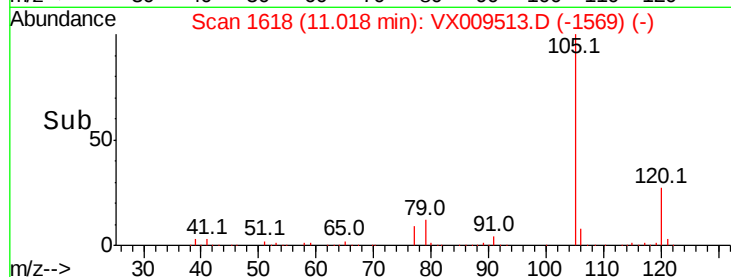
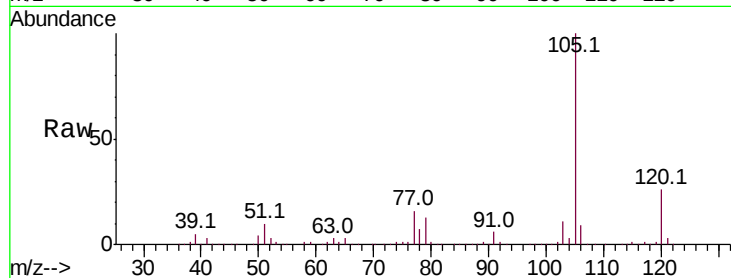
#73
Isopropylbenzene
Concen: 50.654 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 492478
Ion Ratio Lower Upper
105 100
120 25.9 12.8 38.3

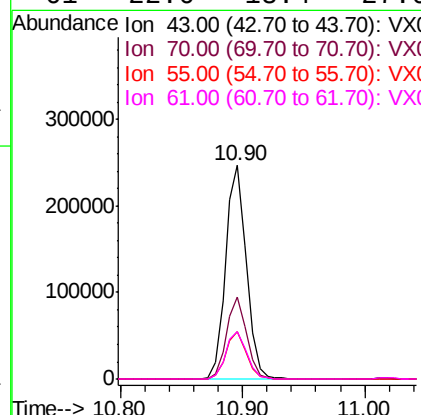
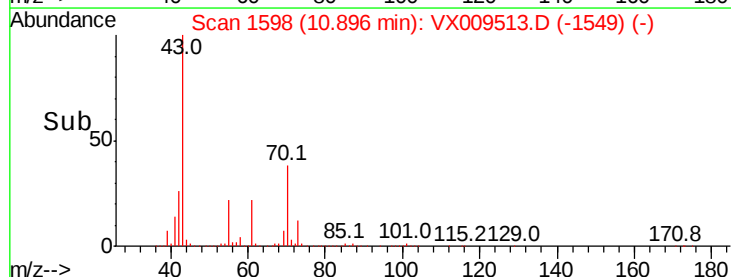
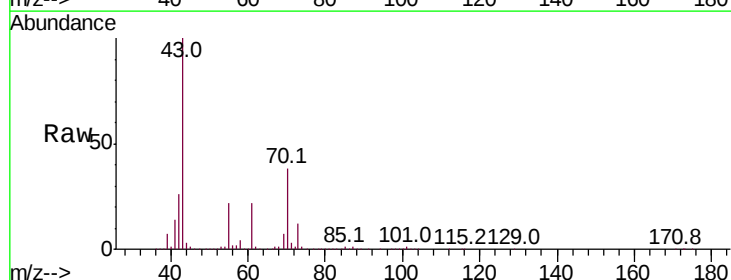
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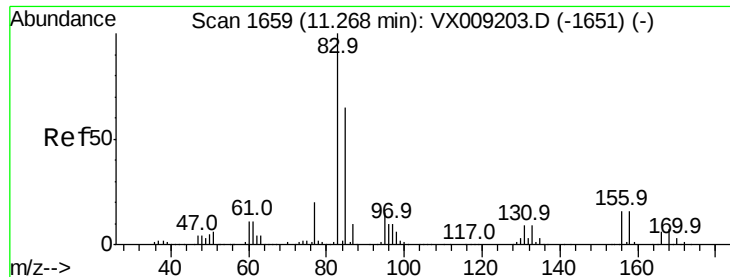
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5/13/2019 4:26:54 PM



#74
N-ethyl acetate
Concen: 51.027 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Tgt Ion: 43 Resp: 289237
Ion Ratio Lower Upper
43 100
70 37.4 30.0 45.0
55 22.2 17.9 26.9
61 22.6 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.309 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 175090

Ion Ratio Lower Upper

83 100

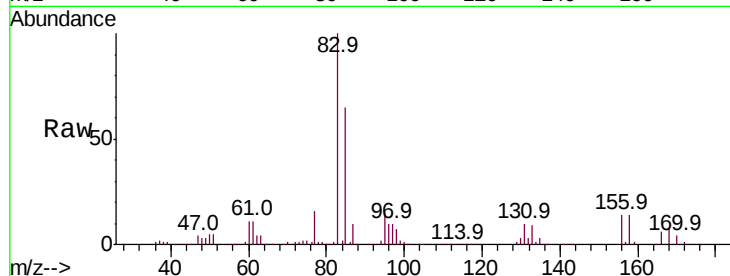
131 9.5 4.6 13.8

85 64.7 32.0 96.2

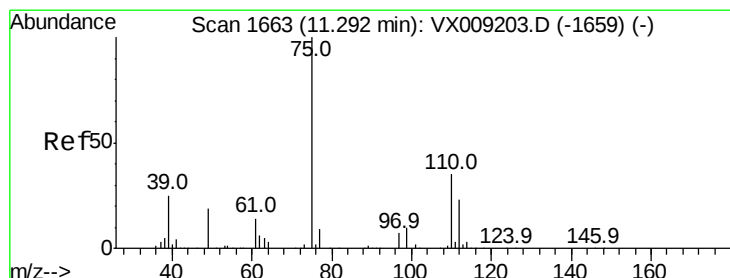
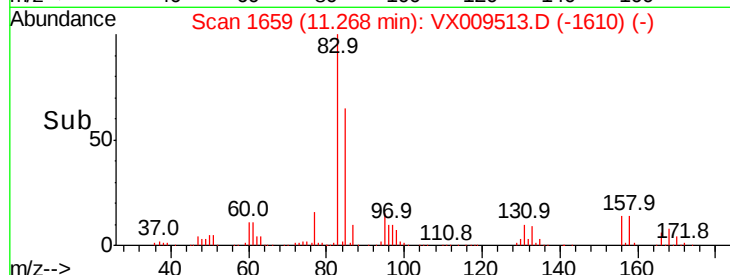
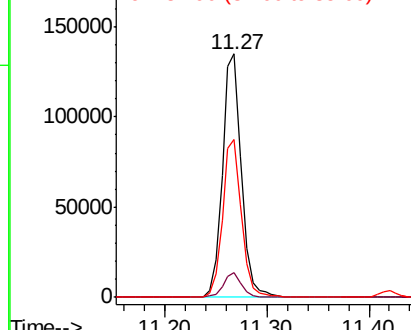
Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 49.779 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009513.D

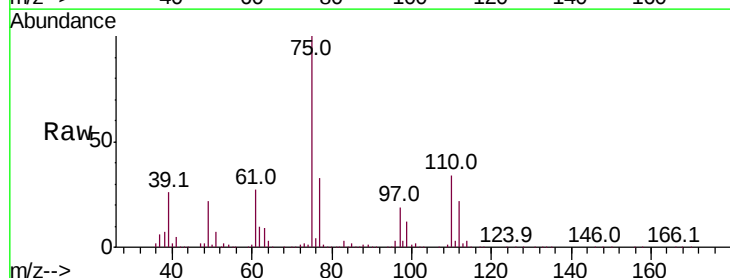
Acq: 11 May 2019 10:14

Tgt Ion: 75 Resp: 154380

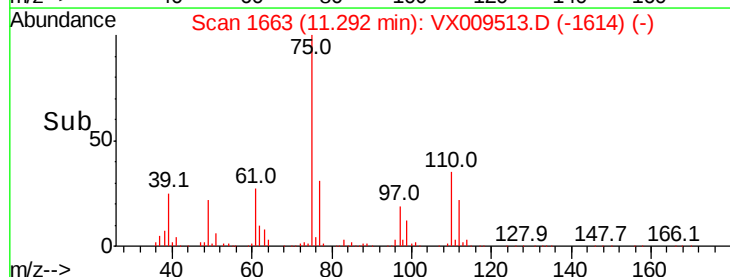
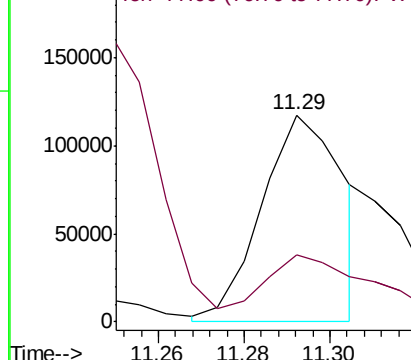
Ion Ratio Lower Upper

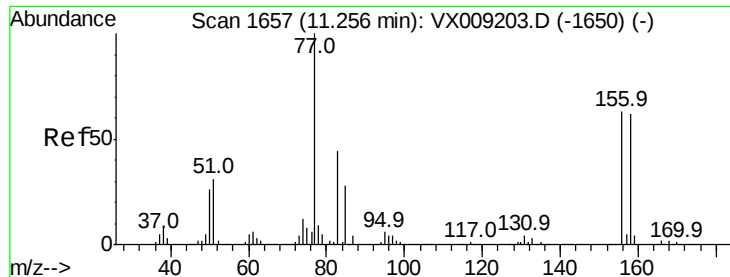
75 100

77 44.2 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.504 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

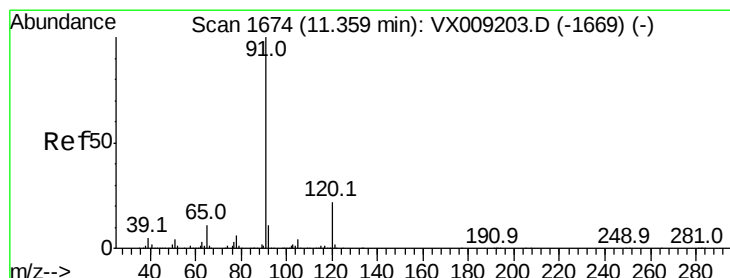
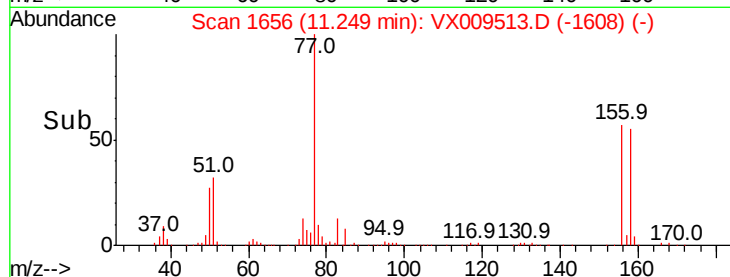
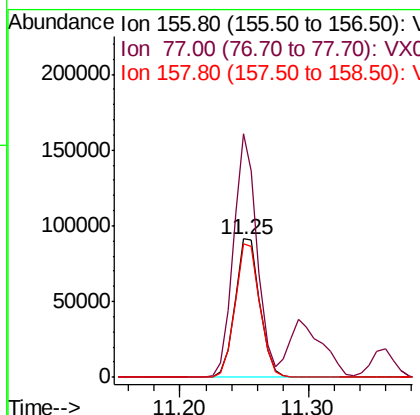
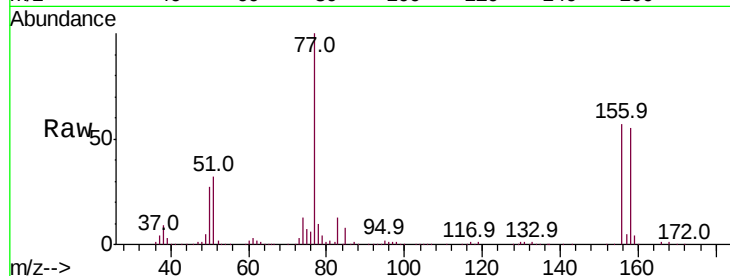
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	121873
Ion Ratio	Lower	Upper	
156	100		
77	167.3	84.8	254.3
158	96.5	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 52.383 ug/l

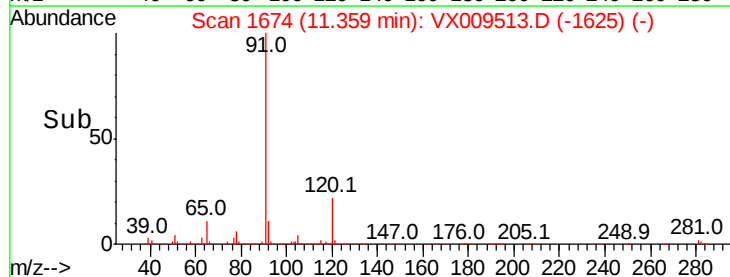
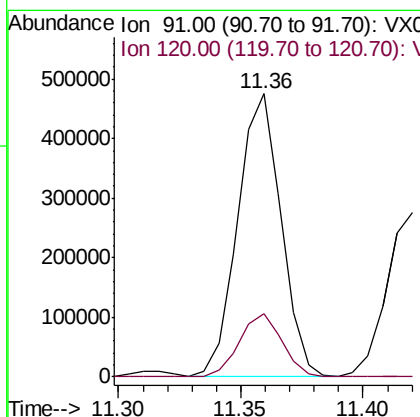
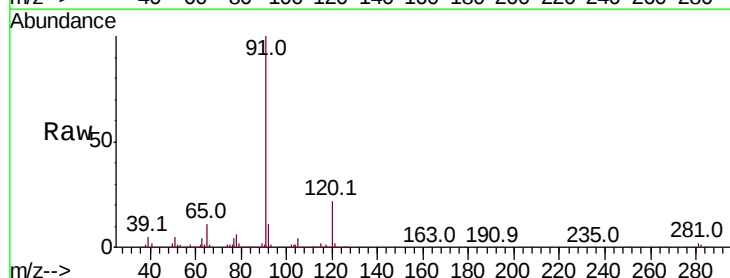
RT: 11.36 min Scan# 1674

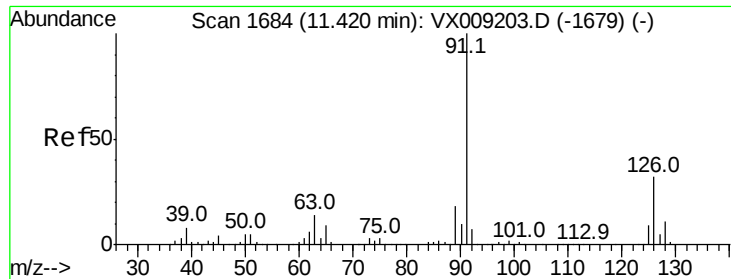
Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Tgt Ion:	91	Resp:	581632
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.0	33.0





#79

2-Chlorotoluene

Concen: 49.507 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 339141

Ion Ratio Lower Upper

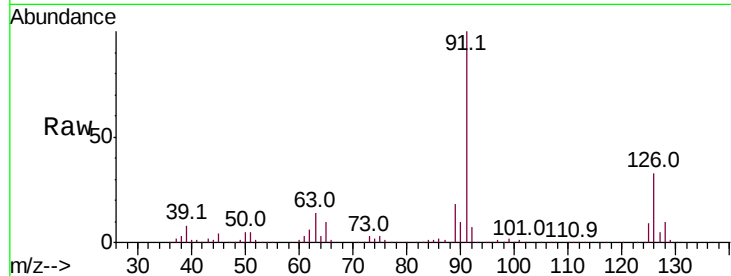
91 100

126 32.5 16.3 48.9

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Abundance Ion 91.00 (90.70 to 91.70): VX009203.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX009203.D (-1679) (-)

500000

400000

300000

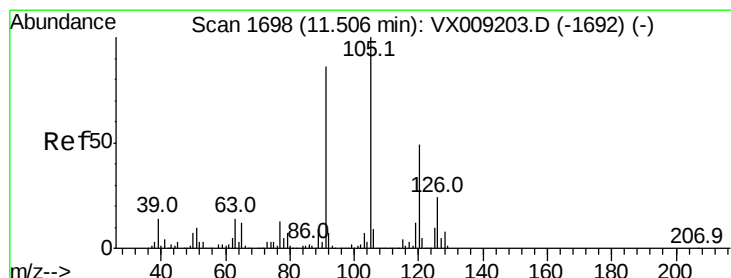
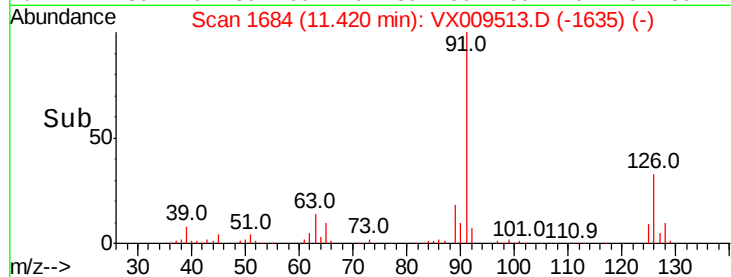
200000

100000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.676 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009513.D

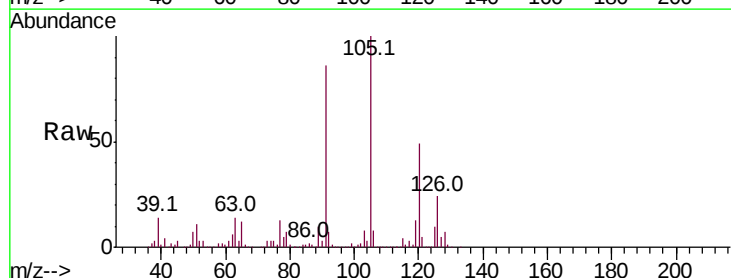
Acq: 11 May 2019 10:14

Tgt Ion:105 Resp: 423037

Ion Ratio Lower Upper

105 100

120 48.4 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009203.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX009203.D (-1692) (-)

400000

300000

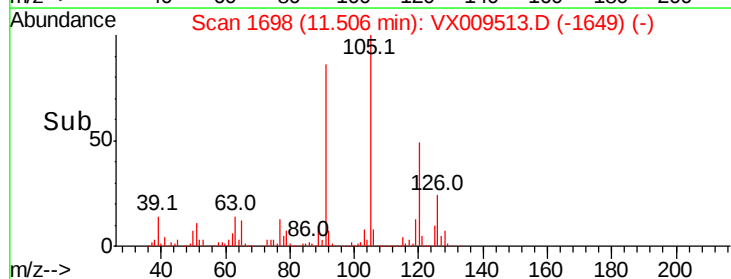
200000

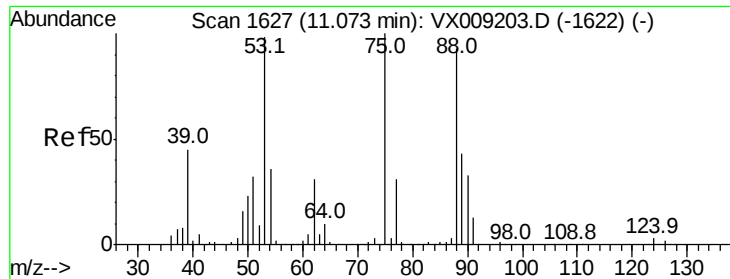
100000

0

11.50 11.60

Time-->





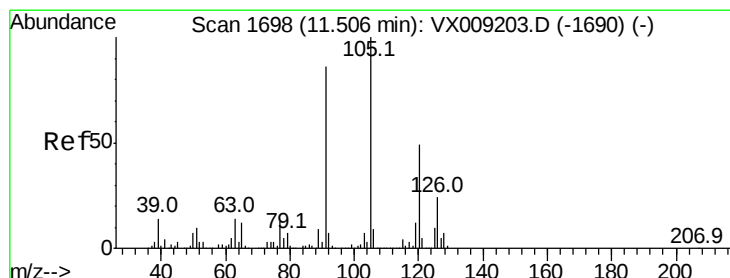
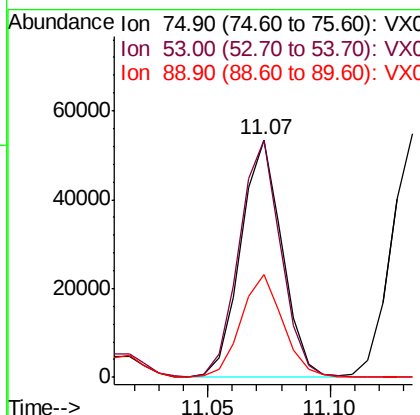
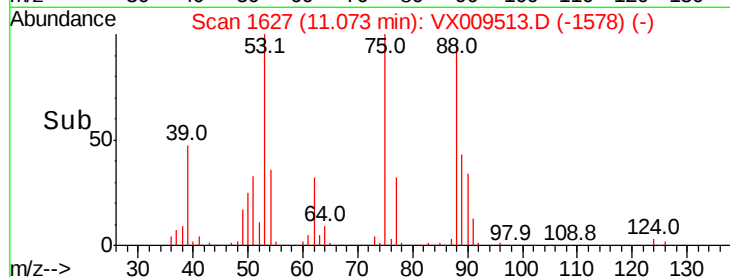
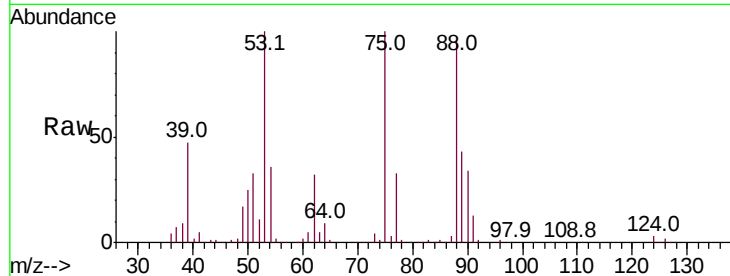
#81
trans-1,4-Dichloro-2-butene
Concen: 51.506 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.0	79.0	118.6
89	44.0	34.7	52.1

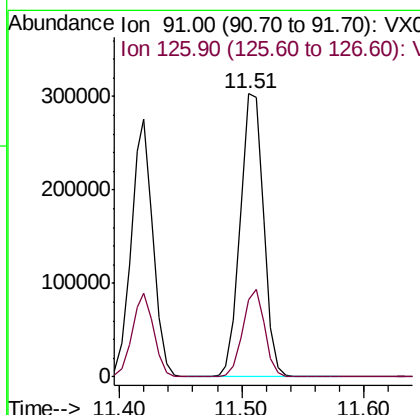
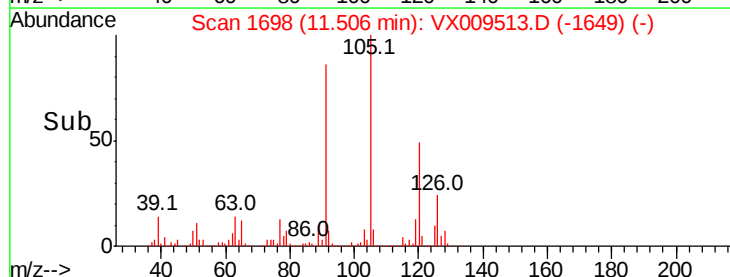
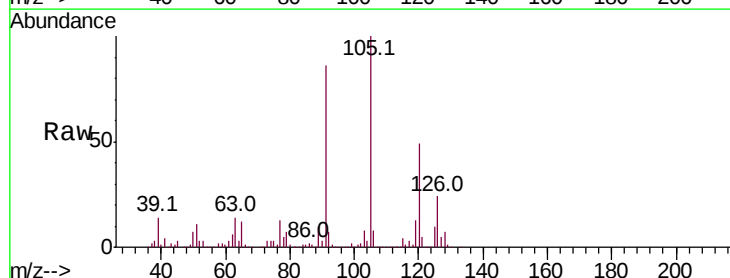
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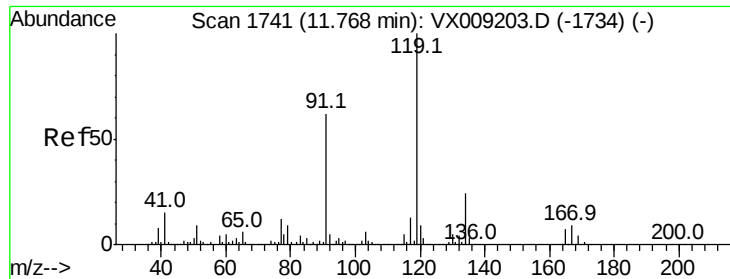
MMDadoda
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#82
4-Chlorotoluene
Concen: 51.428 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.9	14.5	43.6





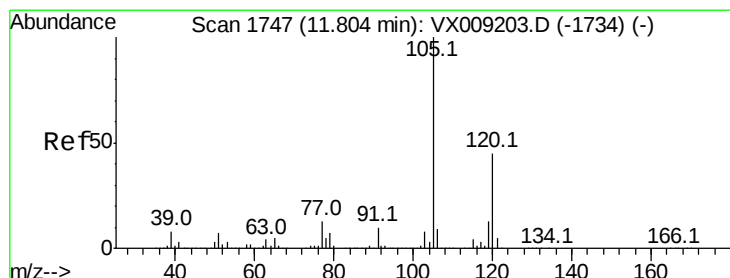
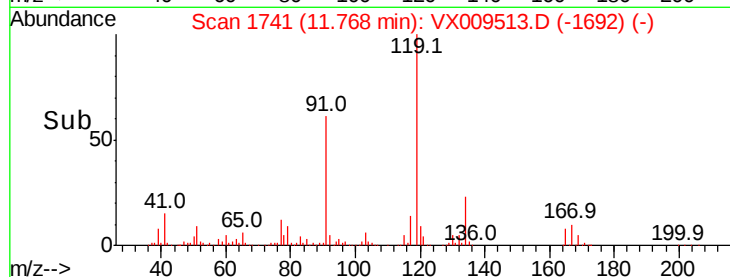
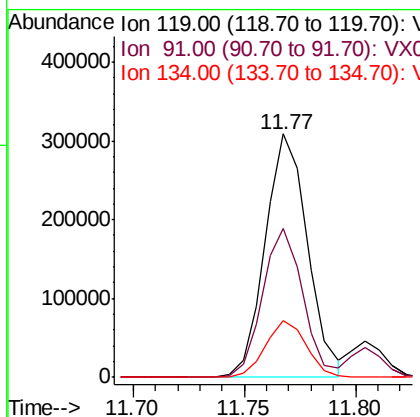
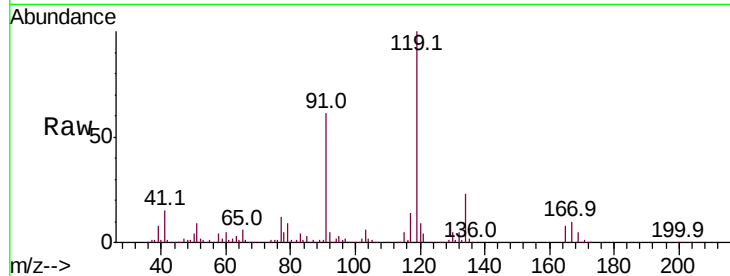
#83
 tert-Butylbenzene
 Concen: 51.139 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	407254		
91	58.7	29.5	88.5	
134	22.2	11.4	34.1	

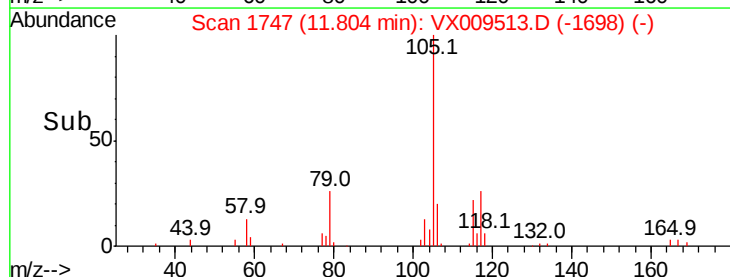
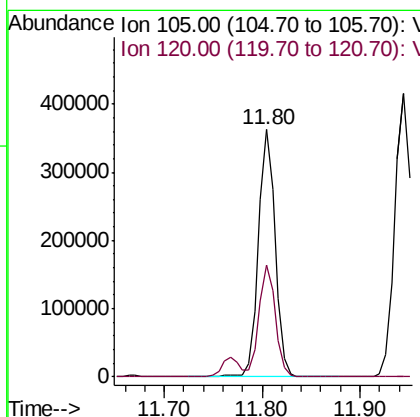
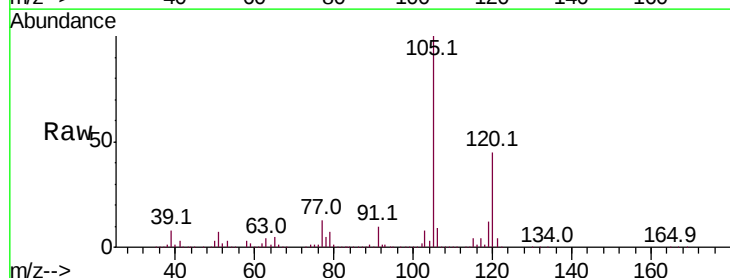
Manual Integrations
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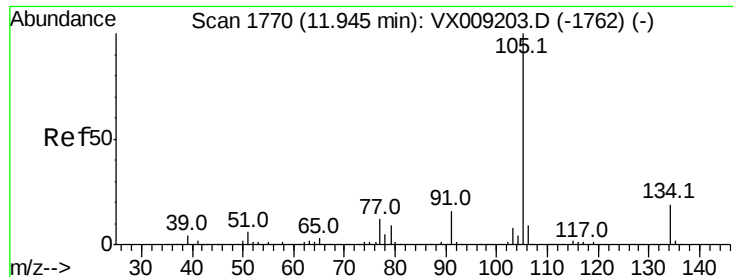
MMDadoda
 5/13/2019 4:26:54 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.140 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	428436		
120	44.6	22.0	66.0	





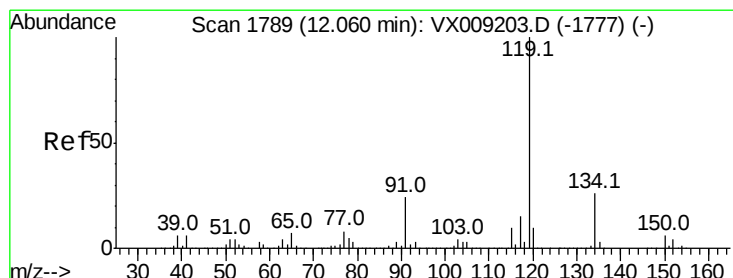
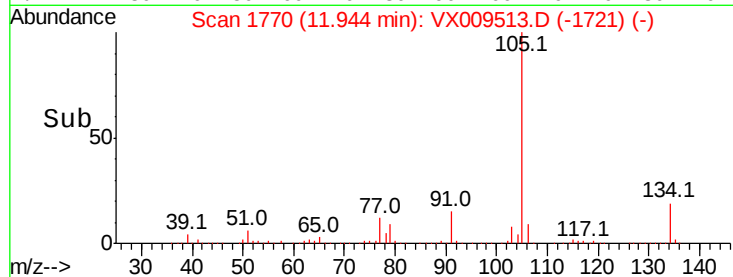
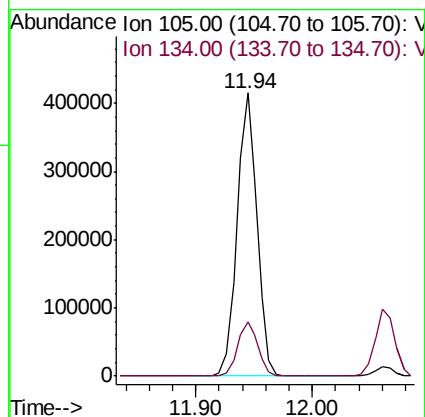
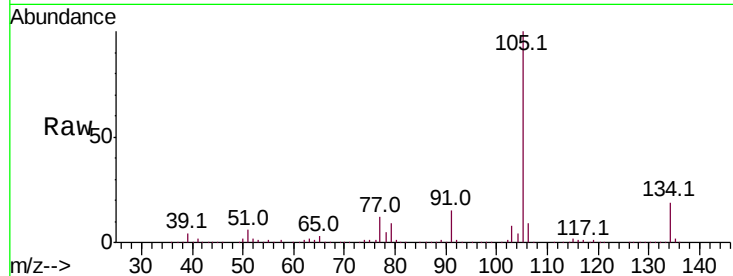
#85
 sec-Butylbenzene
 Concen: 52.093 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	491838		
134	19.6	9.7	28.9	

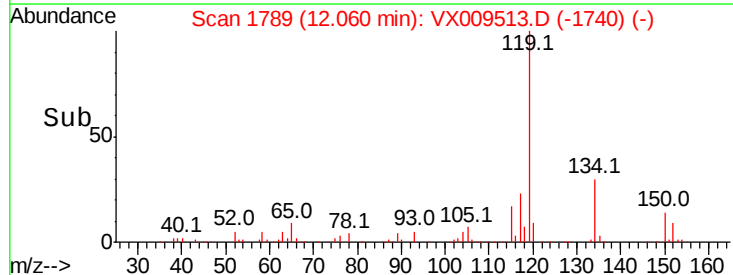
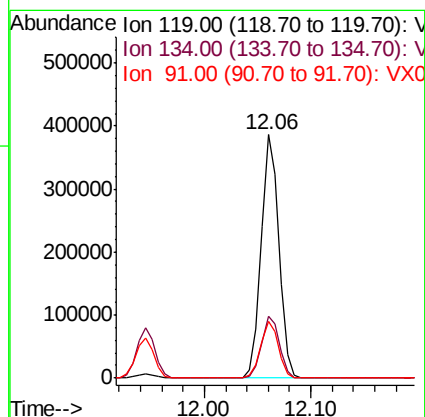
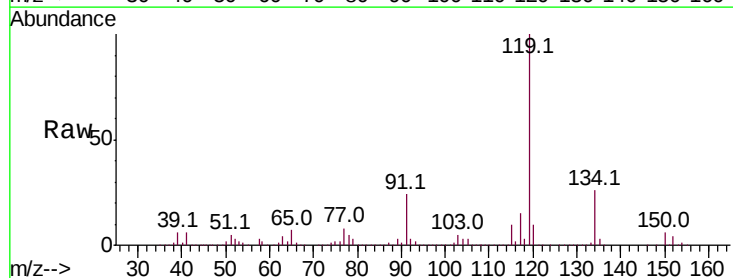
Manual Integrations
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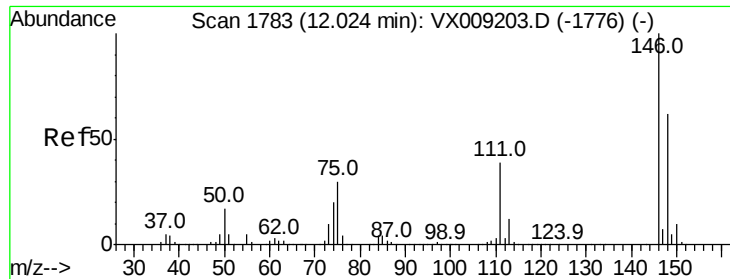
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#86
 p-Isopropyltoluene
 Concen: 53.373 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	453020		
134	25.7	12.9	38.7	
91	23.6	11.8	35.4	





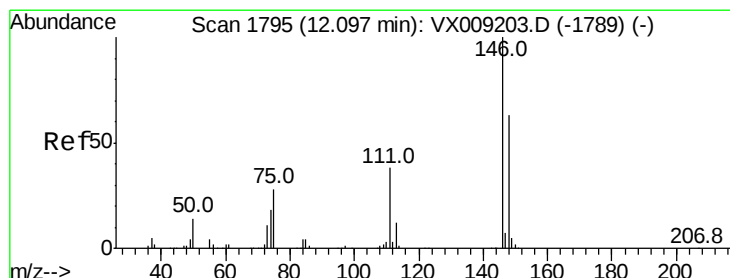
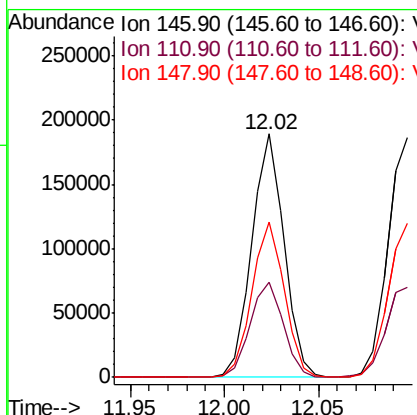
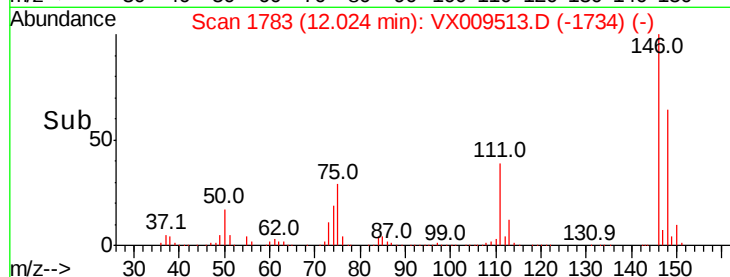
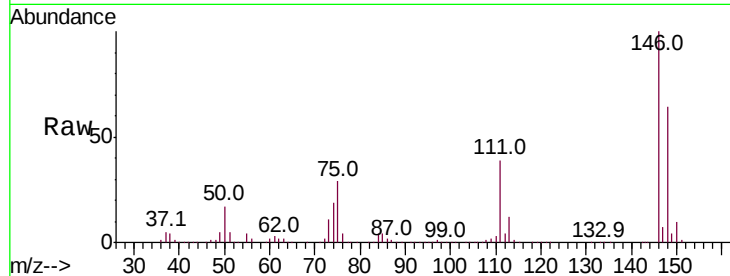
#87
 1,3-Dichlorobenzene
 Concen: 52.147 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	59.9
148	64.2	31.8	95.3

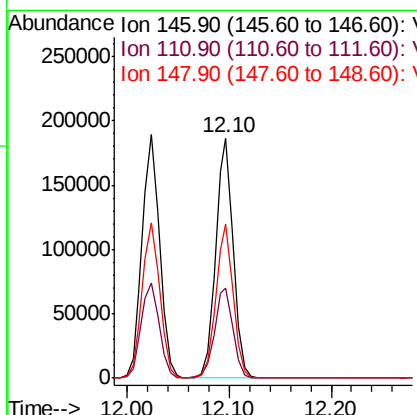
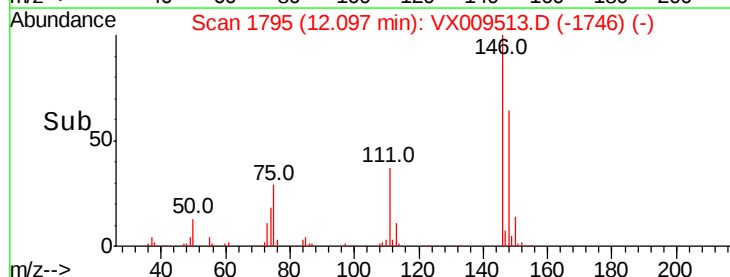
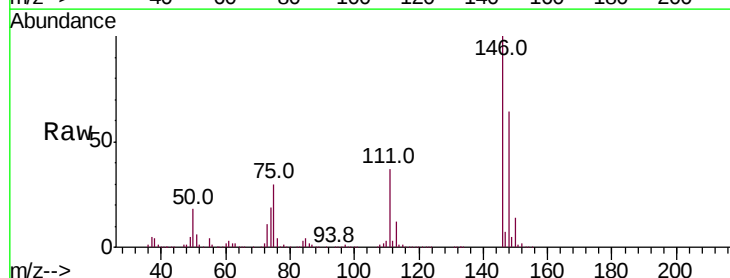
Manual Integrations
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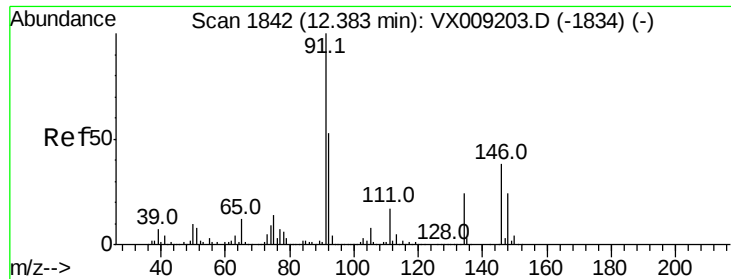
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#88
 1,4-Dichlorobenzene
 Concen: 52.049 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.6	58.8
148	63.4	31.8	95.3





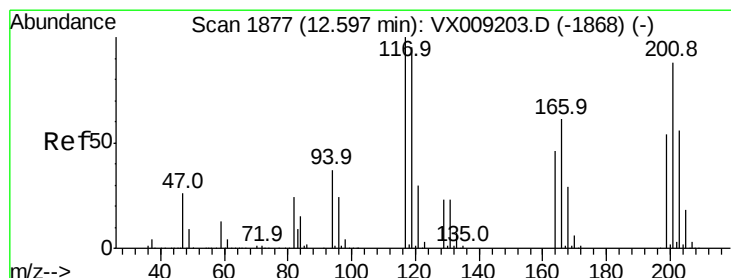
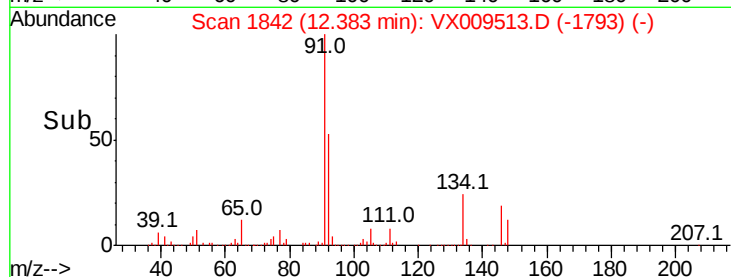
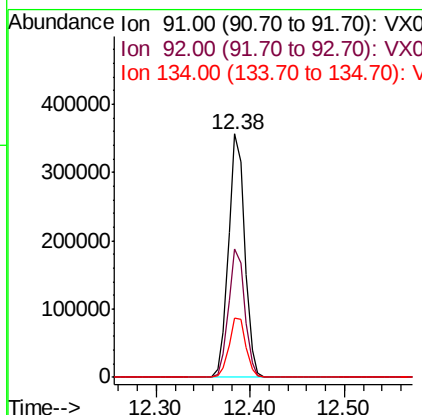
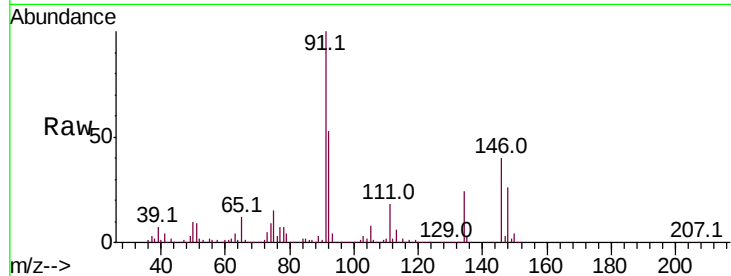
#89
n-Butylbenzene
Concen: 55.338 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.5	79.5
134	25.1	12.4	37.2

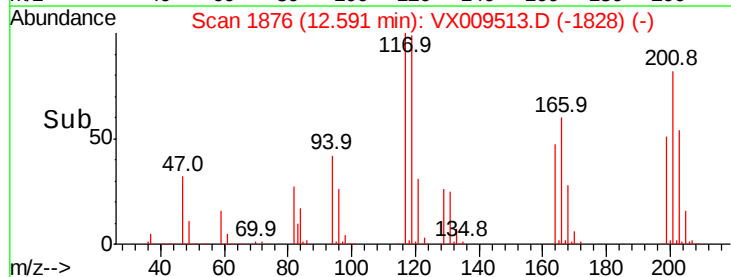
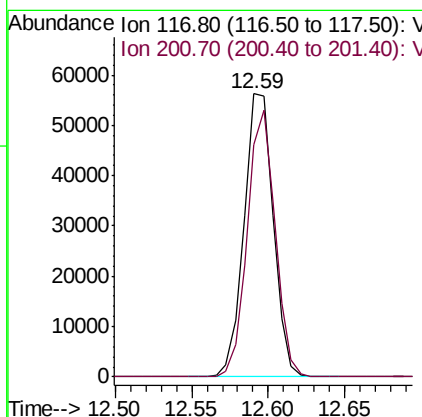
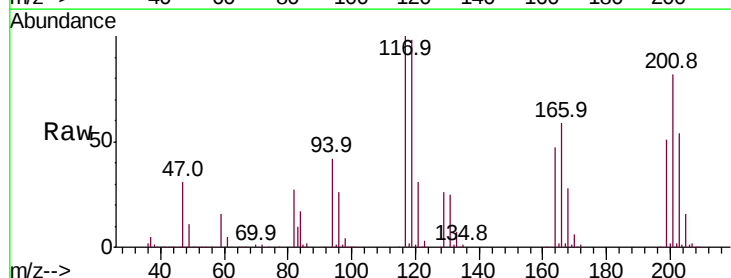
Manual Integrations
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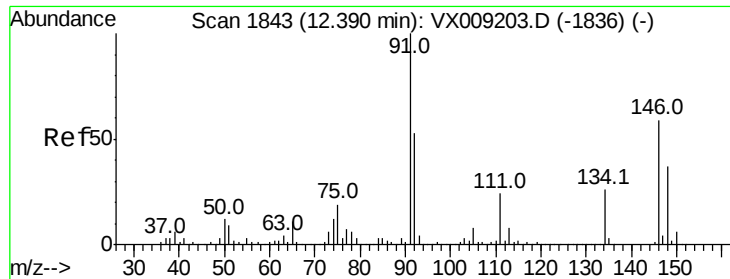
MMDadoda
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#90
Hexachloroethane
Concen: 51.855 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009513.D
Acq: 11 May 2019 10:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.2	42.3	126.9





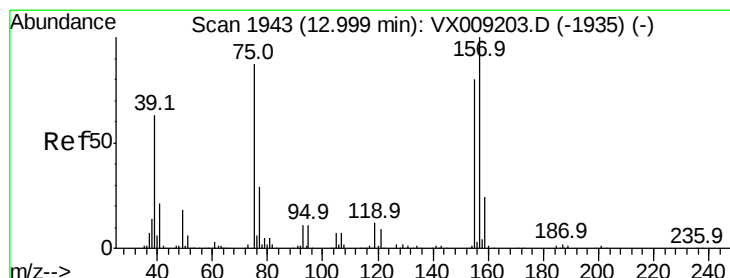
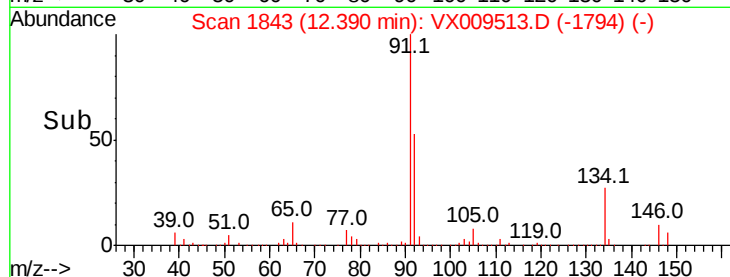
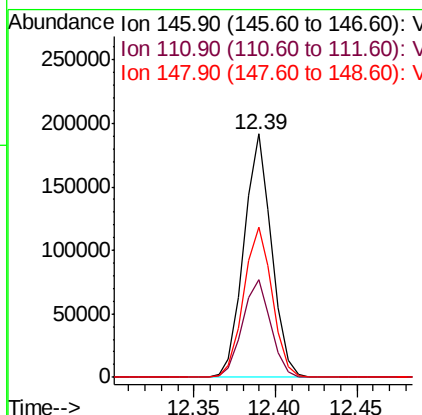
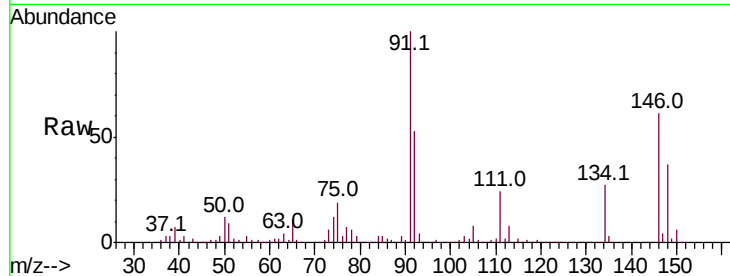
#91
 1,2-Dichlorobenzene
 Concen: 51.580 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.4
148	63.6	31.9	95.9

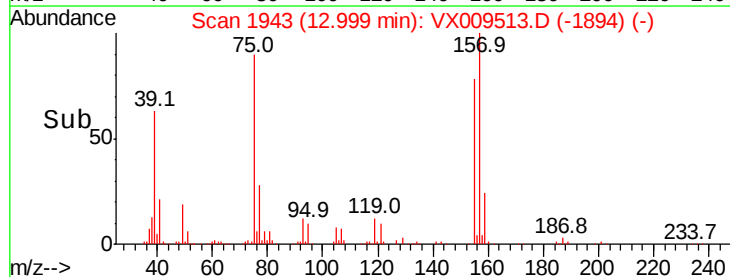
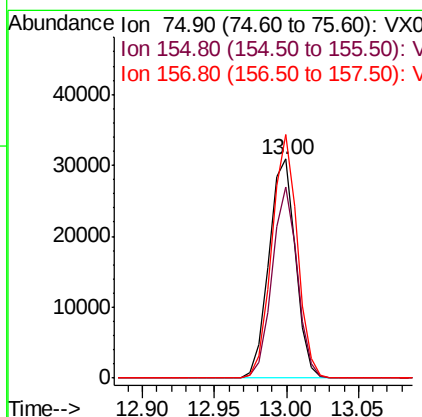
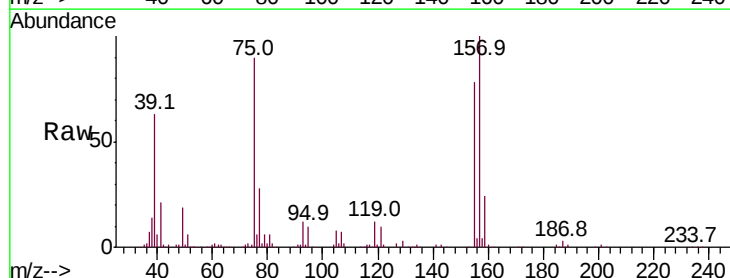
Manual Integrations
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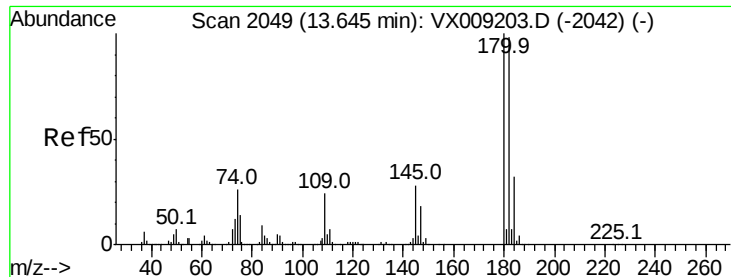
MMDadoda
 5/13/2019 4:26:54 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.645 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.9	42.0	126.0
157	106.7	53.2	159.6





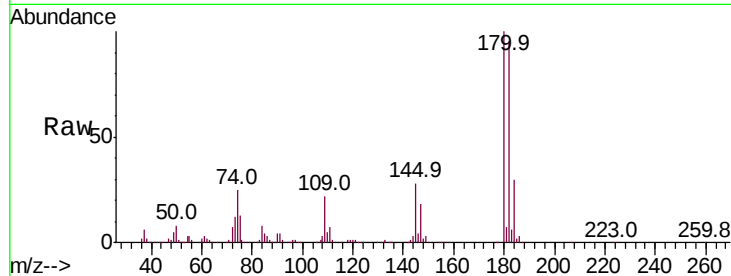
#93
 1,2,4-Trichlorobenzene
 Concen: 54.506 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

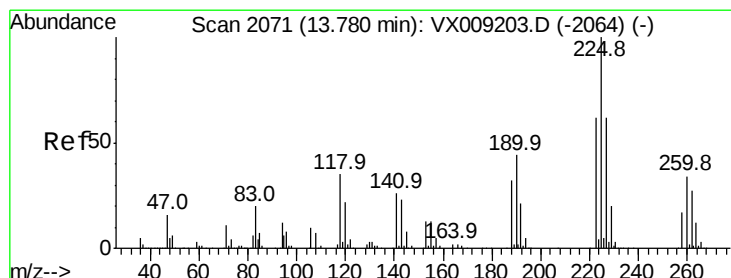
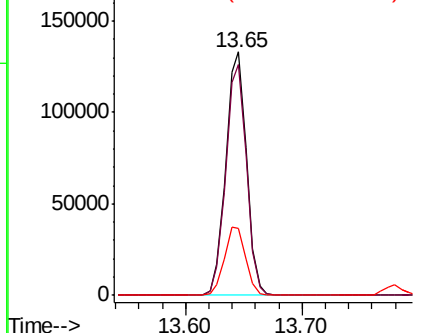
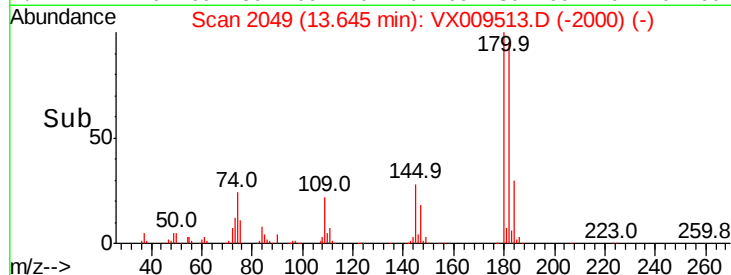
Tot Ion	Ratio	Resp	Lower	Upper
180	100	163317		
182	95.0	48.4	145.2	
145	28.9	14.6	43.8	

Manual Integrations
 APPROVED

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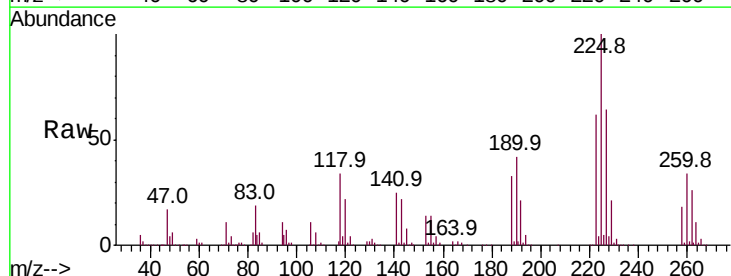


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

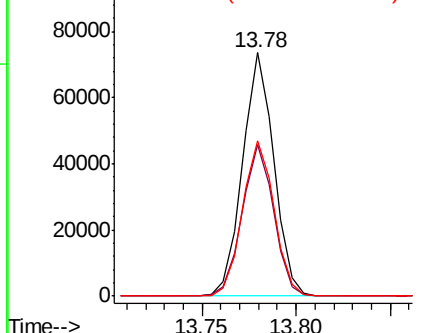
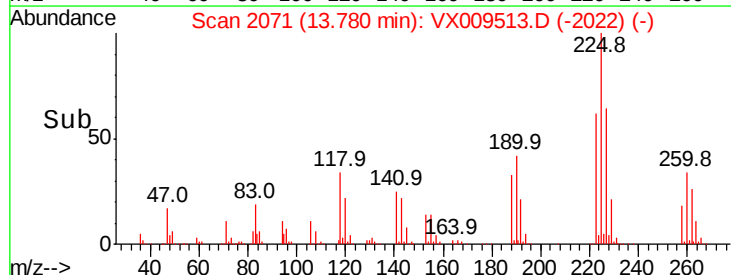


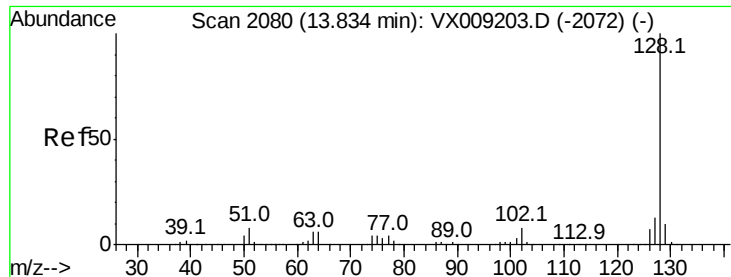
#94
 Hexachlorobutadiene
 Concen: 55.415 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009513.D
 Acq: 11 May 2019 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	84791		
223	62.5	31.3	93.8	
227	64.5	31.8	95.3	



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: 50.825 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Instrument :

MSVOA_X

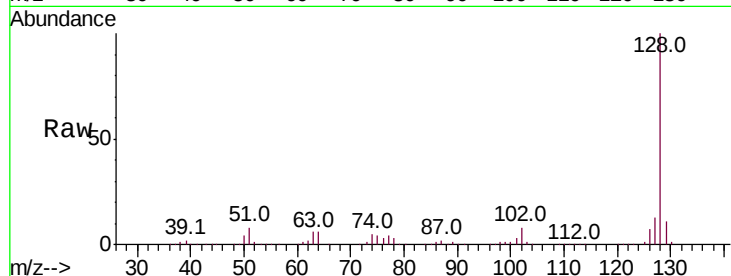
ClientSampleId :

VSTDCCC050

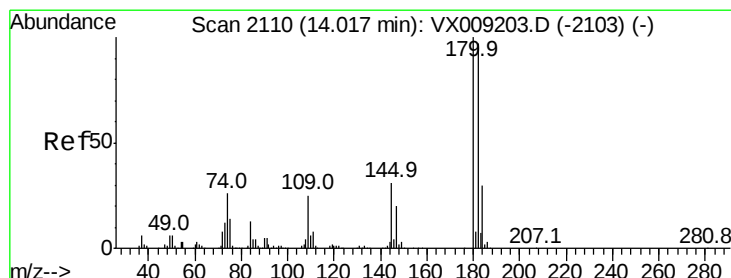
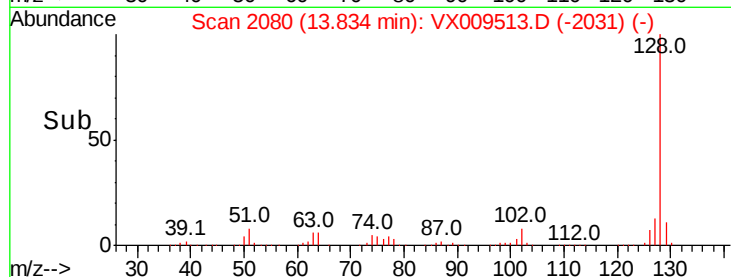
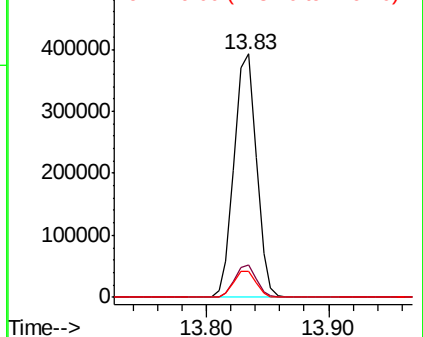
Tot Ion:	128	Resp:	495455
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/13/2019 4:26:54 PM



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: 53.201 ug/l

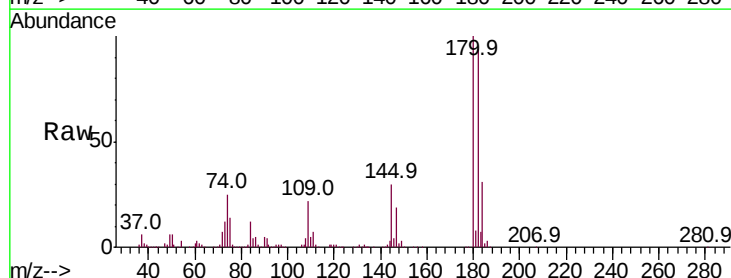
RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009513.D

Acq: 11 May 2019 10:14

Tgt Ion:	180	Resp:	161585
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.8	143.4
145	30.4	15.4	46.4



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

