

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050919\
 Data File : VX009469.D
 Acq On : 10 May 2019 08:05
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 1:13:06 PM

Quant Time: May 10 09:20:01 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	154622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	253132	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	232731	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115290	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	108239	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
35) Dibromofluoromethane	5.49	113	80730	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
50) Toluene-d8	8.71	98	322938	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
62) 4-Bromofluorobenzene	11.13	95	119561	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	70151	49.233	ug/l	99
3) Chloromethane	1.32	50	103517	53.214	ug/l	100
4) Vinyl Chloride	1.41	62	103882	54.763	ug/l	98
5) Bromomethane	1.64	94	64126	56.322	ug/l	99
6) Chloroethane	1.71	64	68157	55.963	ug/l	99
7) Trichlorofluoromethane	1.92	101	128877	55.892	ug/l	99
8) Diethyl Ether	2.19	74	59902	54.844	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	76128	52.575	ug/l	99
10) Methyl Iodide	2.51	142	94745	55.735	ug/l	99
11) Tert butyl alcohol	3.05	59	132132	270.434	ug/l	100
12) 1,1-Dichloroethene	2.37	96	81888	56.443	ug/l	95
13) Acrolein	2.29	56	99412	224.667	ug/l	100
14) Allyl chloride	2.73	41	184263	52.116	ug/l	100
15) Acrylonitrile	3.14	53	320719	268.464	ug/l	100
16) Acetone	2.44	43	275020	242.650	ug/l	98
17) Carbon Disulfide	2.57	76	233235	57.261	ug/l	99
18) Methyl Acetate	2.77	43	137108	50.866	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	310626	55.136	ug/l	98
20) Methylene Chloride	2.85	84	97526	53.144	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	88589	56.304	ug/l	99
22) Diisopropyl ether	3.85	45	375838	55.275	ug/l	99
23) Vinyl Acetate	3.81	43	1646145	282.726	ug/l	100
24) 1,1-Dichloroethane	3.70	63	182284	54.345	ug/l	99
25) 2-Butanone	4.67	43	468321	265.899	ug/l	100
26) 2,2-Dichloropropane	4.58	77	90895	36.406	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	103371	55.042	ug/l	95
28) Bromochloromethane	5.01	49	66623	49.304	ug/l	100
29) Tetrahydrofuran	5.13	42	312739	275.937	ug/l	99
30) Chloroform	5.21	83	168679	55.602	ug/l	98
31) Cyclohexane	5.58	56	170367	54.593	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	140355	55.577	ug/l	99
36) 1,1-Dichloropropene	5.80	75	127178	54.063	ug/l	99
37) Ethyl Acetate	4.83	43	179605	54.798	ug/l	99
38) Carbon Tetrachloride	5.78	117	117193	54.832	ug/l	96

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Quant Time: May 10 09:20:01 2019
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 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	147543	51.071	ug/l	100
40) Benzene	6.14	78	400227	54.974	ug/l	99
41) Methacrylonitrile	5.04	41	102535	52.554	ug/l	99
42) 1,2-Dichloroethane	6.19	62	144151	55.198	ug/l	99
43) Isopropyl Acetate	6.45	43	287479	54.835	ug/l	100
44) Trichloroethene	7.21	130	94845	53.889	ug/l	97
45) 1,2-Dichloropropane	7.51	63	112959	54.795	ug/l	98
46) Dibromomethane	7.66	93	65094	54.376	ug/l	99
47) Bromodichloromethane	7.90	83	131731	55.165	ug/l	98
48) Methyl methacrylate	7.77	41	145068	55.774	ug/l	99
49) 1,4-Dioxane	7.74	88	54917	1041.118	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	939613	274.203	ug/l	100
52) Toluene	8.78	92	242171	54.722	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	141370	52.437	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	158649	53.166	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	98609	54.617	ug/l	98
56) Ethyl methacrylate	9.18	69	179899	55.820	ug/l	100
57) 1,3-Dichloropropane	9.37	76	171349	53.931	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	423015	247.419	ug/l	100
59) 2-Hexanone	9.49	43	734575	272.945	ug/l	99
60) Dibromochloromethane	9.58	129	98759	56.006	ug/l	98
61) 1,2-Dibromoethane	9.67	107	100578	55.187	ug/l	99
64) Tetrachloroethene	9.34	164	89801	56.251	ug/l	98
65) Chlorobenzene	10.13	112	251925	54.111	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	92518	54.813	ug/l	99
67) Ethyl Benzene	10.25	91	468316	54.657	ug/l	99
68) m/p-Xylenes	10.36	106	344429	110.003	ug/l	98
69) o-Xylene	10.69	106	169239	54.783	ug/l	100
70) Styrene	10.71	104	298704	55.631	ug/l	100
71) Bromoform	10.85	173	76133	55.505	ug/l #	100
73) Isopropylbenzene	11.02	105	444351	53.001	ug/l	99
74) N-amyl acetate	10.90	43	267788	54.787	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	165578	52.979	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	140345m	52.479	ug/l	
77) Bromobenzene	11.26	156	112046	53.845	ug/l	99
78) n-propylbenzene	11.36	91	510260	53.293	ug/l	99
79) 2-Chlorotoluene	11.42	91	308377	52.205	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	377443	53.469	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	48894	46.779	ug/l	96
82) 4-Chlorotoluene	11.51	91	353960	53.041	ug/l	99
83) tert-Butylbenzene	11.77	119	363545	52.940	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	383845	54.173	ug/l	99
85) sec-Butylbenzene	11.94	105	424479	52.138	ug/l	100
86) p-Isopropyltoluene	12.06	119	389300	53.189	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	199221	53.705	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	201086	53.768	ug/l	99
89) n-Butylbenzene	12.38	91	346484	52.376	ug/l	99
90) Hexachloroethane	12.60	117	66836	53.600	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	204365	54.089	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	37145	52.981	ug/l	99

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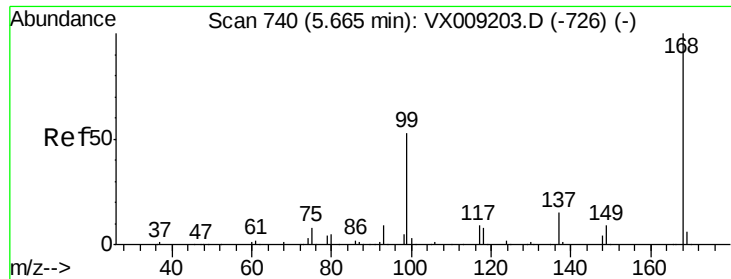
Manual Integrations
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5/10/2019 1:13:06 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
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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	140208	54.265	ug/l	99
94) Hexachlorobutadiene	13.78	225	67153	50.896	ug/l	99
95) Naphthalene	13.83	128	457747	54.454	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	141624	54.074	ug/l	100

(#) = 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: VX009469.D

Acq: 10 May 2019 08:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 154622

Ion Ratio Lower Upper

168 100

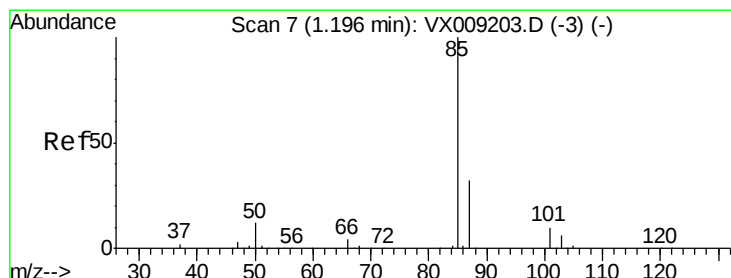
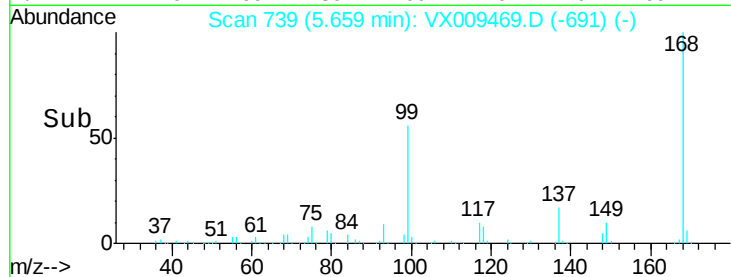
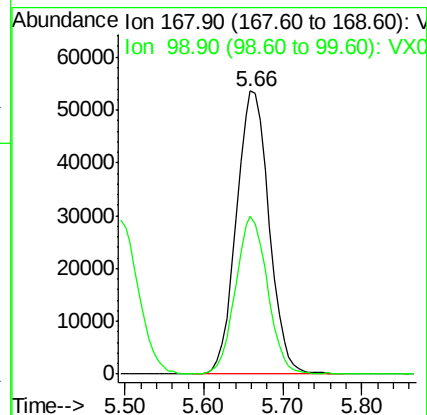
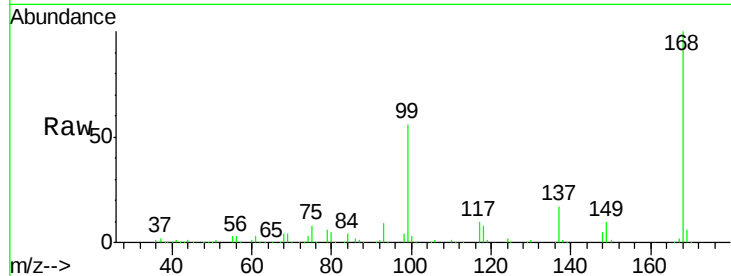
99 55.5 42.3 63.5

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#2

Dichlorodifluoromethane

Concen: 49.233 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009469.D

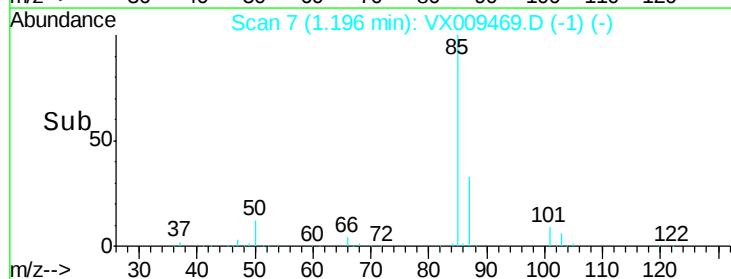
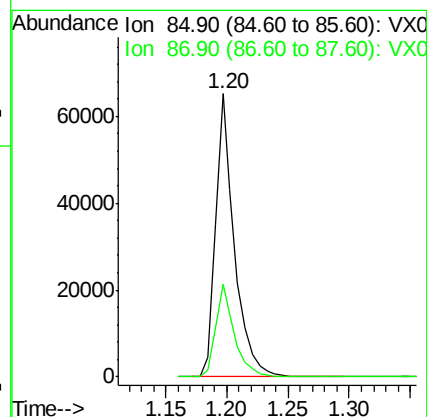
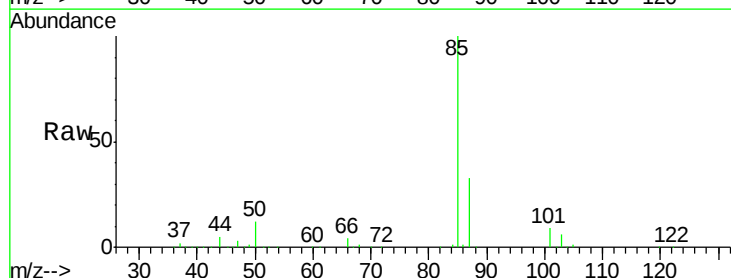
Acq: 10 May 2019 08:05

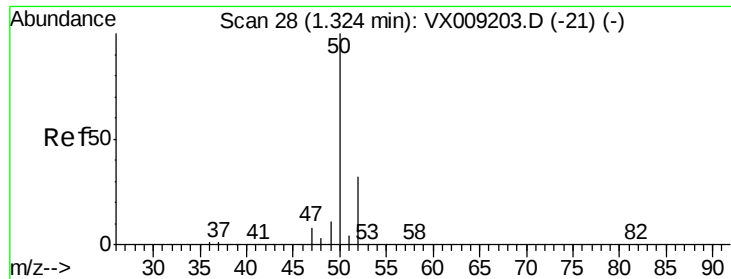
Tgt Ion: 85 Resp: 70151

Ion Ratio Lower Upper

85 100

87 32.8 16.1 48.3





#3

Chloromethane

Concen: 53.214 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 103517

Ion Ratio Lower Upper

50 100

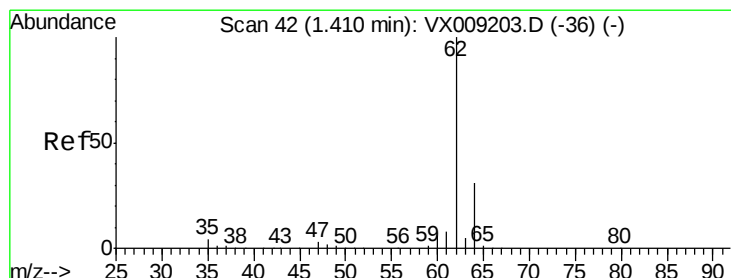
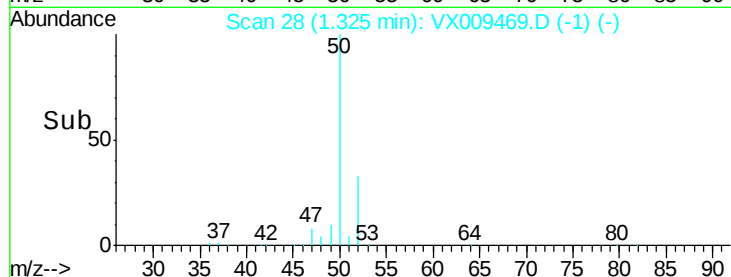
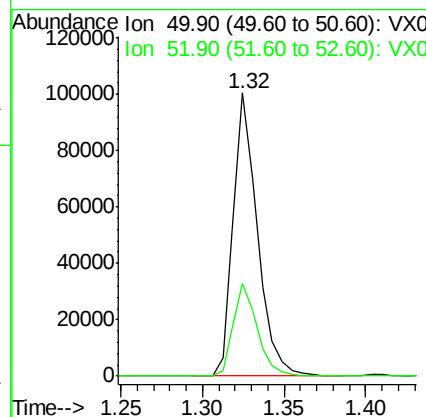
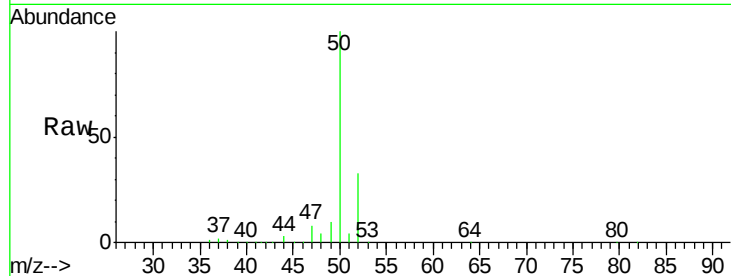
52 32.7 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 54.763 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009469.D

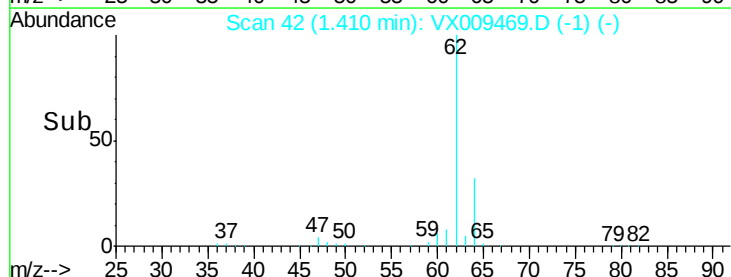
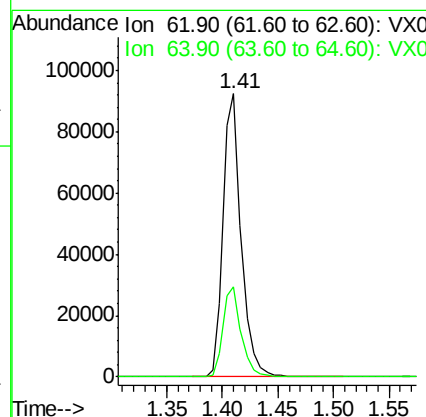
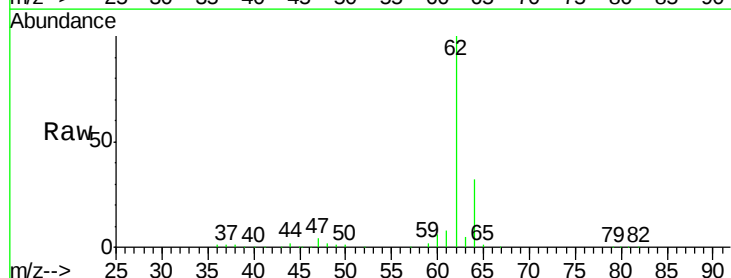
Acq: 10 May 2019 08:05

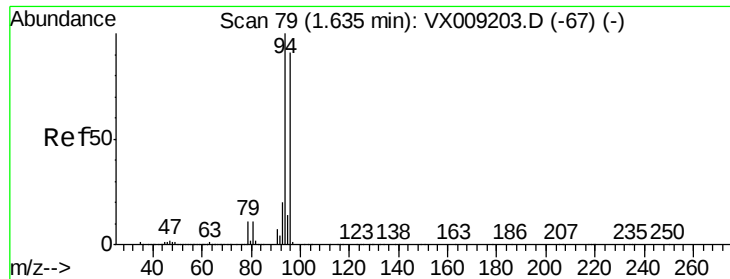
Tgt Ion: 62 Resp: 103882

Ion Ratio Lower Upper

62 100

64 31.8 24.6 36.8





#5

Bromomethane

Concen: 56.322 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 64126

Ion Ratio Lower Upper

94 100

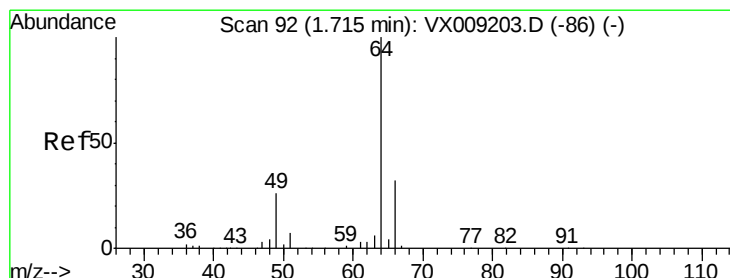
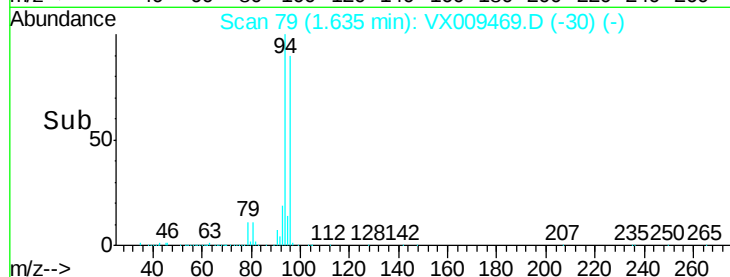
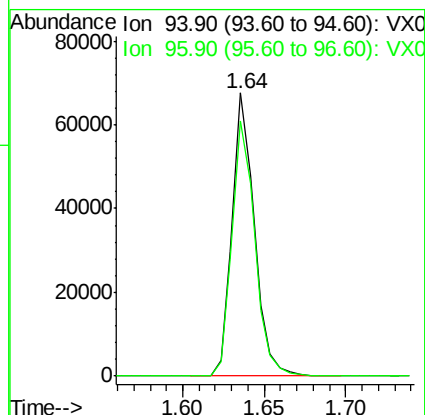
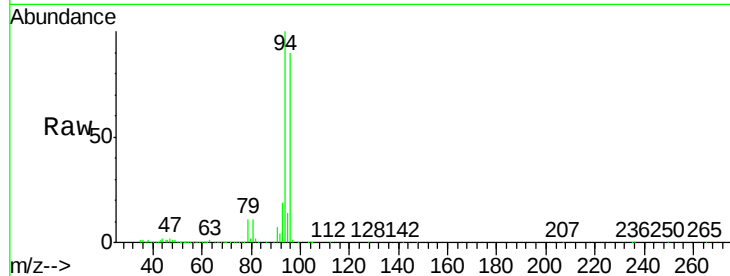
96 90.3 73.0 109.6

Manual Integrations

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#6

Chloroethane

Concen: 55.963 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX009469.D

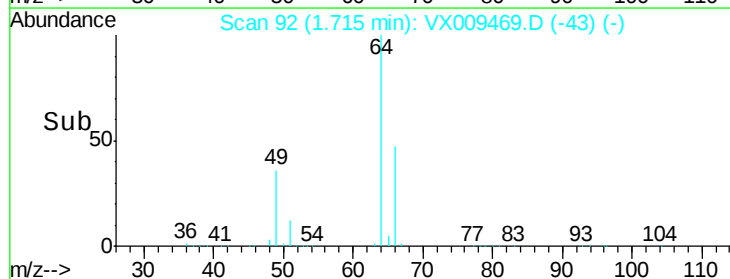
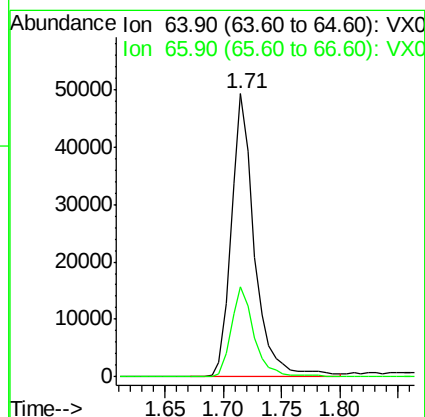
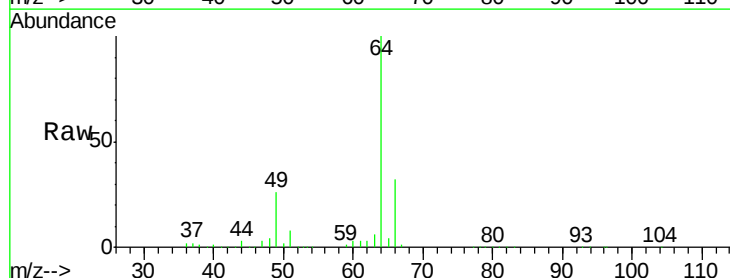
Acq: 10 May 2019 08:05

Tgt Ion: 64 Resp: 68157

Ion Ratio Lower Upper

64 100

66 32.0 25.3 37.9





#7

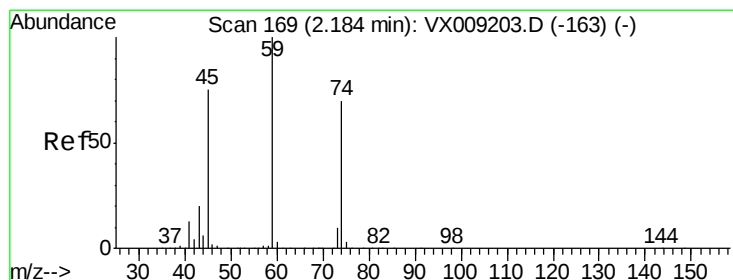
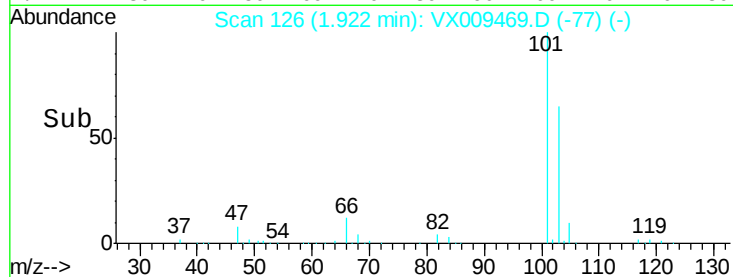
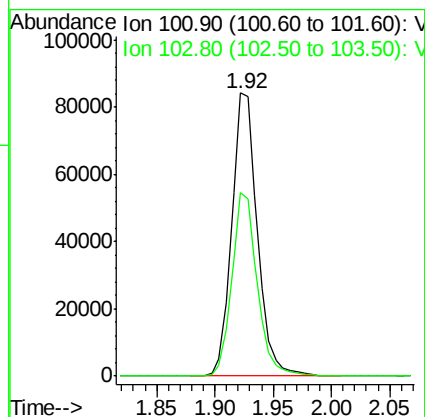
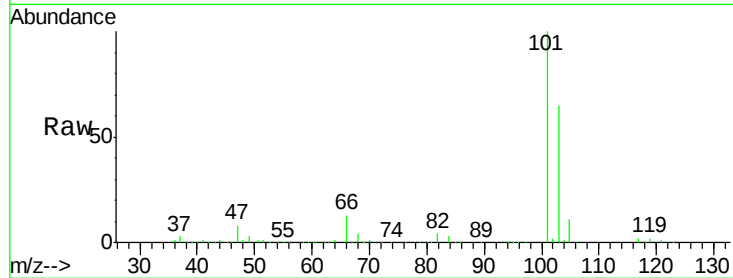
Trichlorofluoromethane
 Concen: 55.892 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX009469.D
 Acq: 10 May 2019 08:05

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.4	78.6

Manual Integrations
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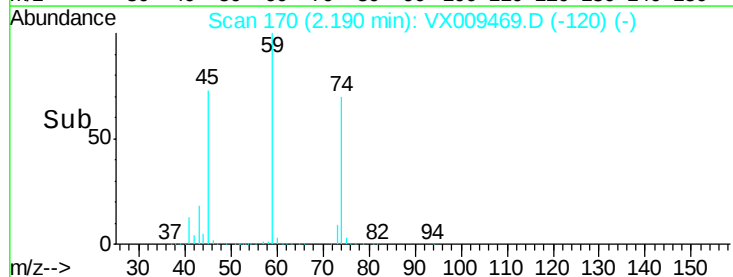
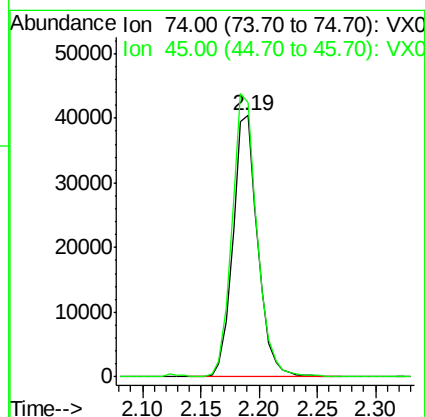
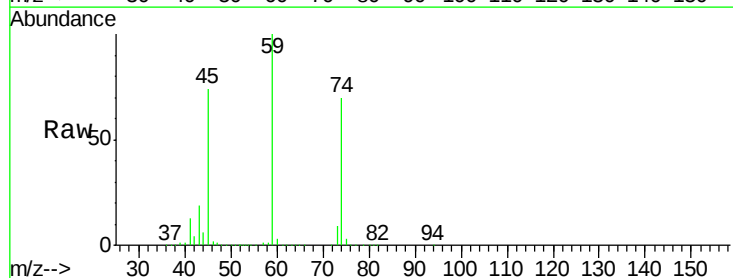
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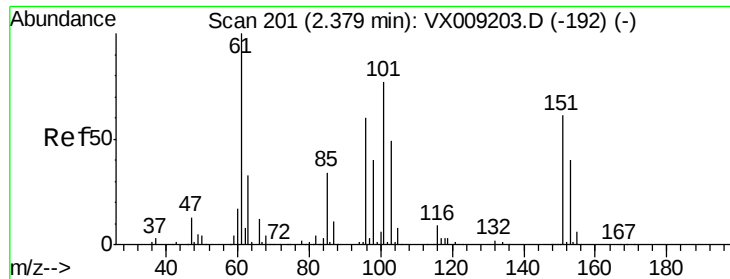


#8

Diethyl Ether
 Concen: 54.844 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009469.D
 Acq: 10 May 2019 08:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.0	53.3	159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.575 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

Instrument :

MSVOA_X

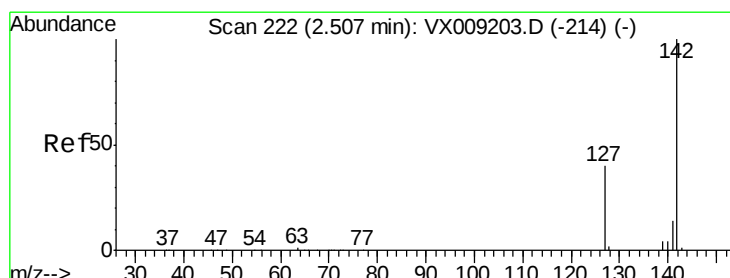
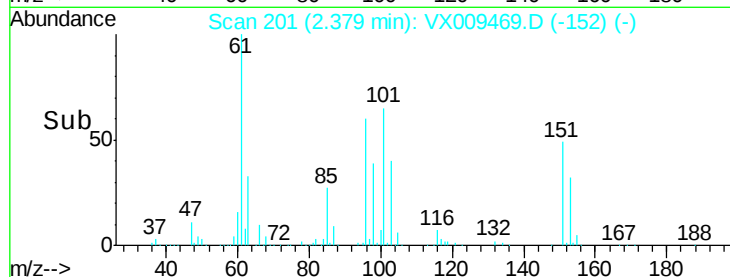
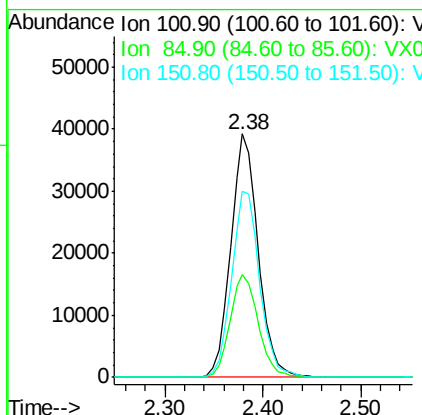
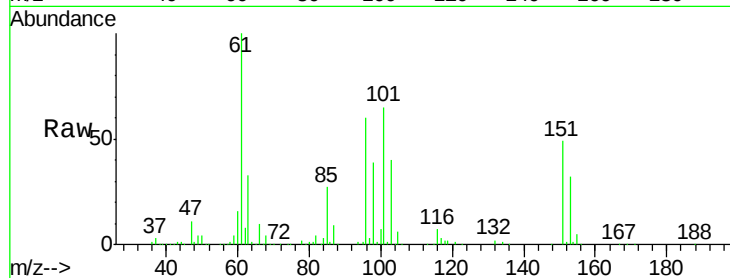
ClientSampled :

VSTDCCC050EC

Tot Ion:	101	Resp:	76128
Ion Ratio	Lower	Upper	
101	100		
85	43.3	35.7	53.5
151	78.2	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 55.735 ug/l

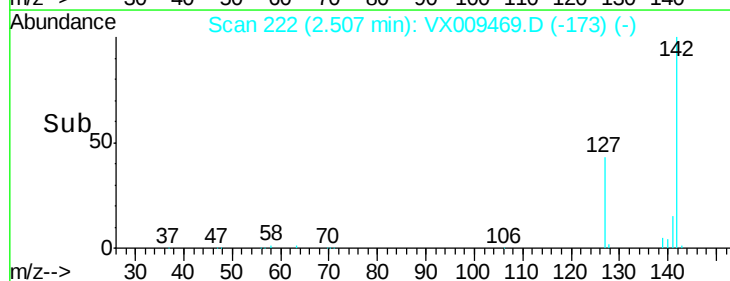
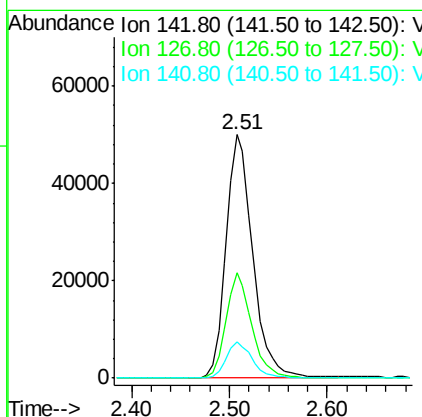
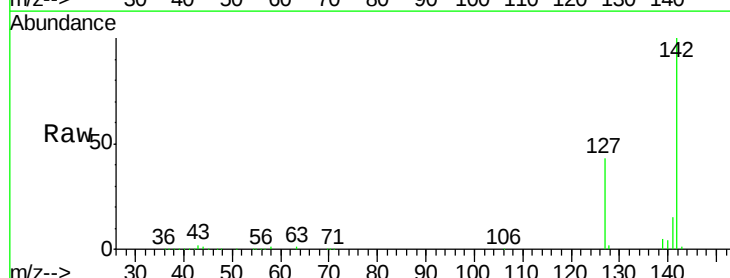
RT: 2.51 min Scan# 222

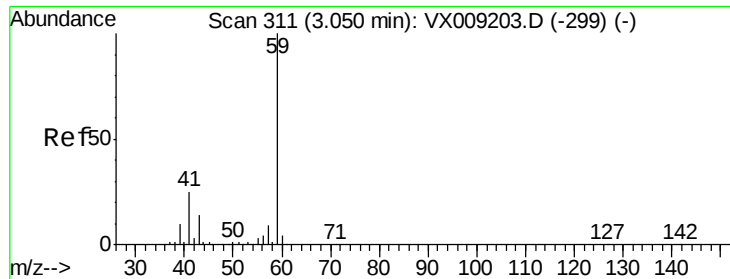
Delta R.T. 0.00 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

Tgt Ion:	142	Resp:	94745
Ion Ratio	Lower	Upper	
142	100		
127	41.6	32.7	49.1
141	14.7	11.5	17.3





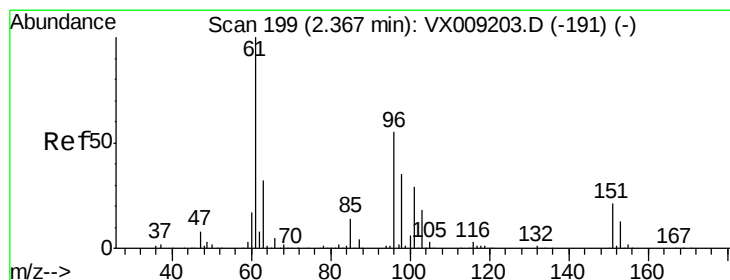
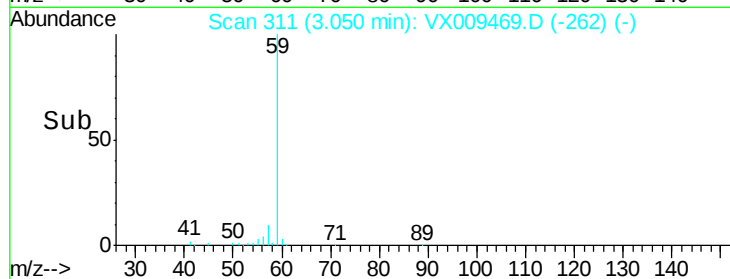
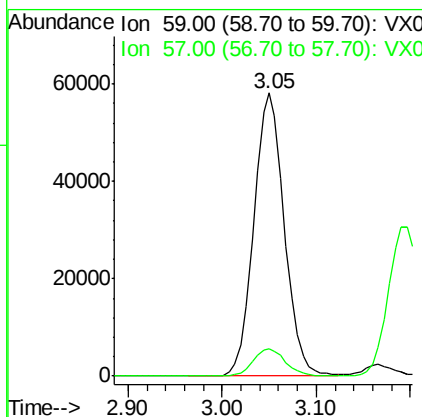
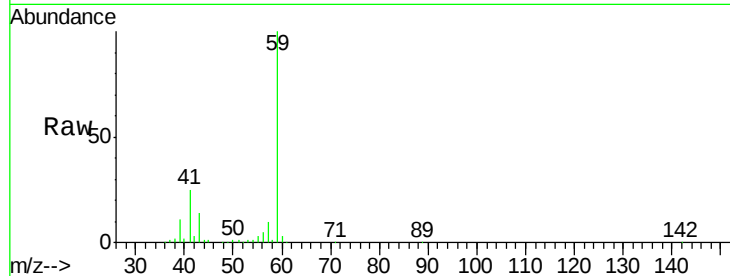
#11
Tert butyl alcohol
Concen: 270.434 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	132132
Ion Ratio	100	Lower	Upper
57	10.4	8.2	12.2

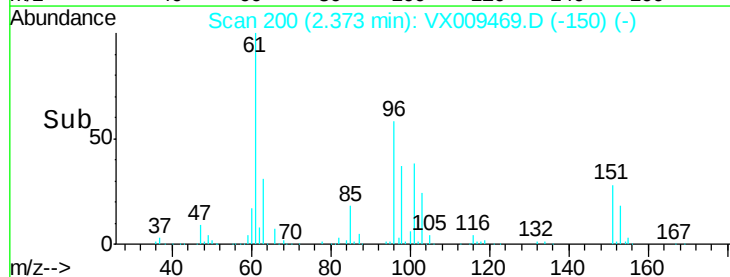
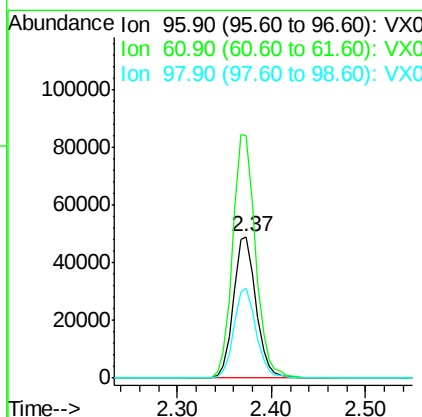
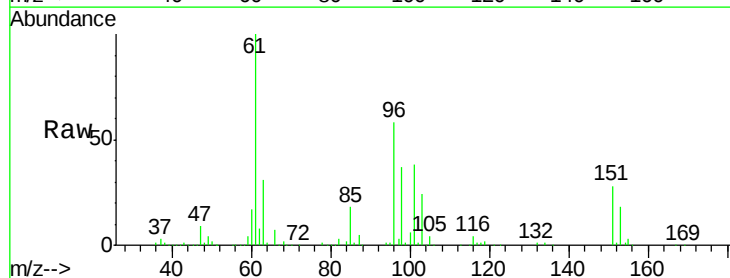
Manual Integrations
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#12
1,1-Dichloroethene
Concen: 56.443 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Tgt Ion	96	Resp	81888
Ion Ratio	100	Lower	Upper
61	171.2	144.3	216.5
98	64.0	50.3	75.5





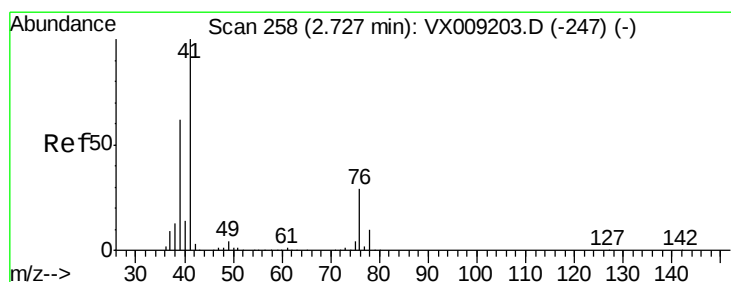
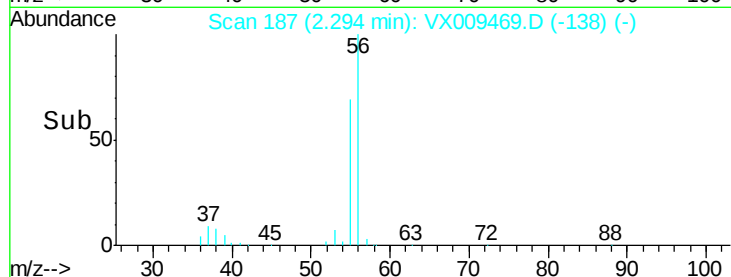
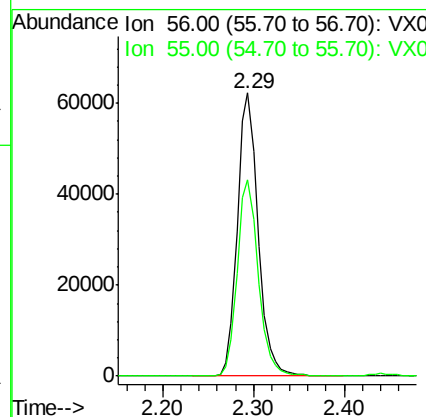
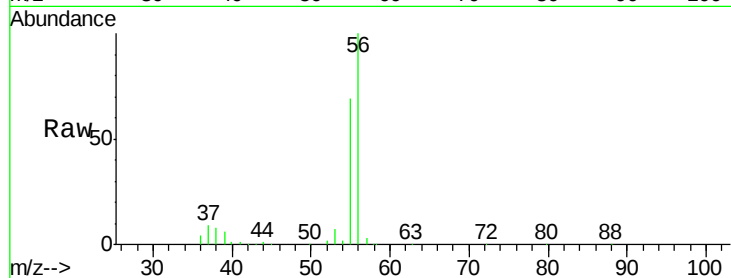
#13
Acrolein
Concen: 224.667 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	70.6	56.6	85.0

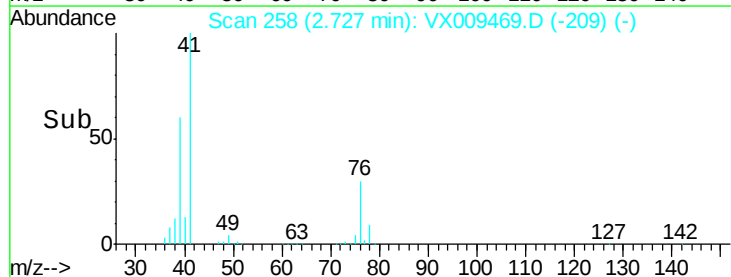
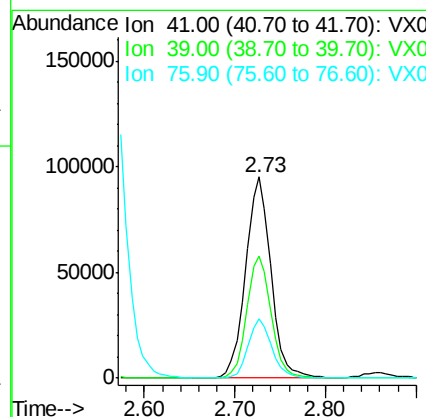
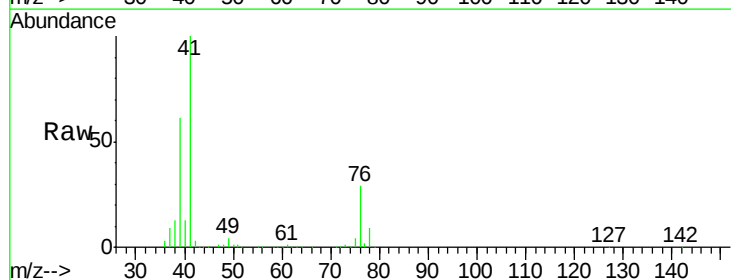
Manual Integrations
APPROVED

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#14
Allyl chloride
Concen: 52.116 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	58.4	46.7	70.1
76	76	27.3	21.8	32.8





#15

Acrylonitrile

Concen: 268.464 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

Instrument :

MSVOA_X

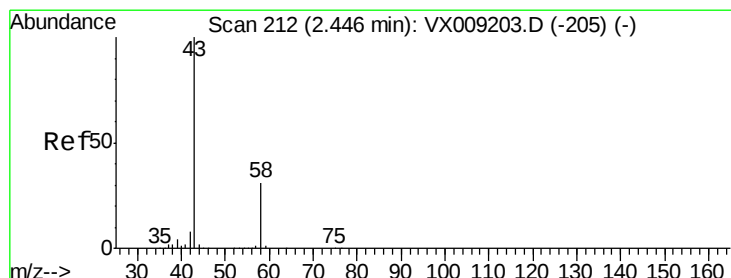
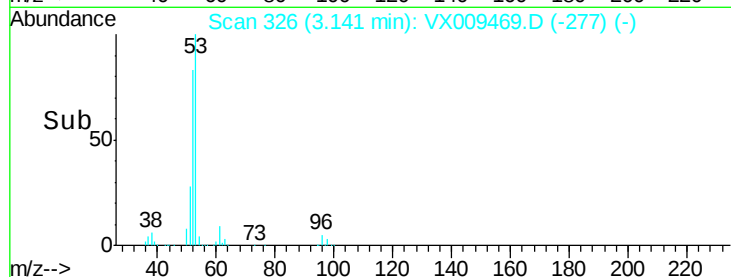
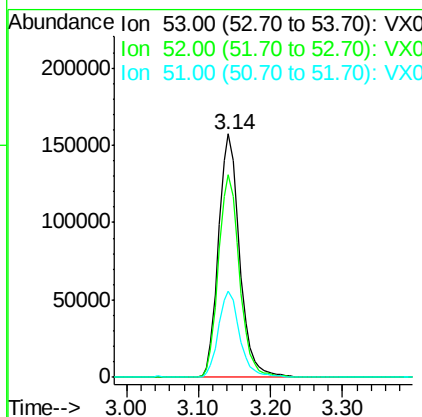
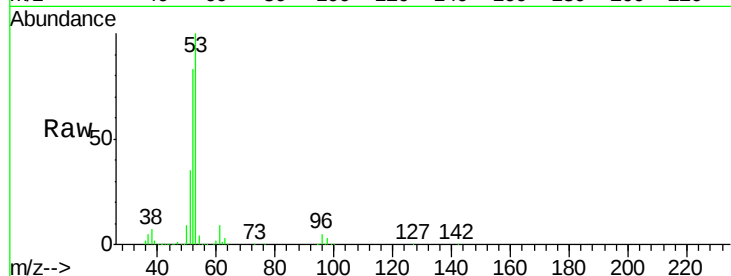
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	320719
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.9	100.3
51	35.7	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 242.650 ug/l

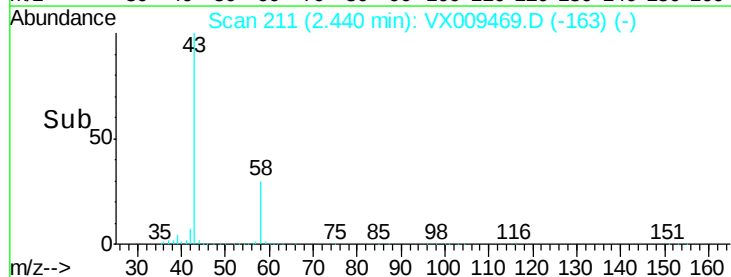
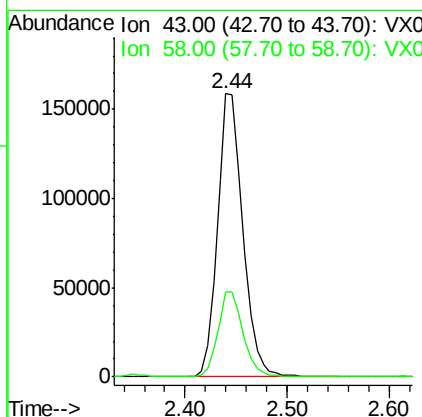
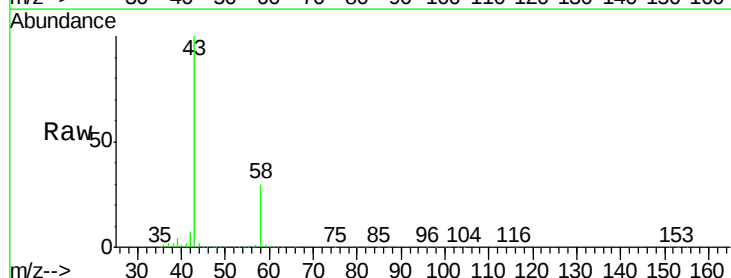
RT: 2.44 min Scan# 211

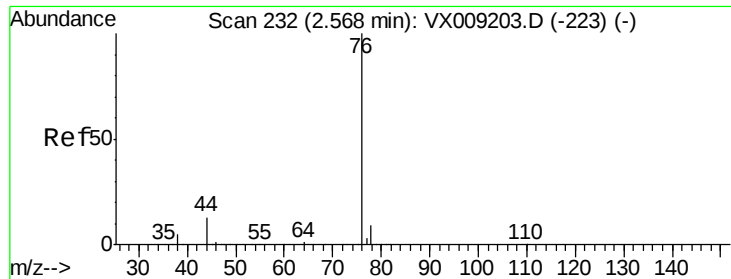
Delta R.T. -0.01 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

Tgt Ion:	43	Resp:	275020
Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.9	37.3





#17

Carbon Disulfide

Concen: 57.261 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 233235

Ion Ratio Lower Upper

76 100

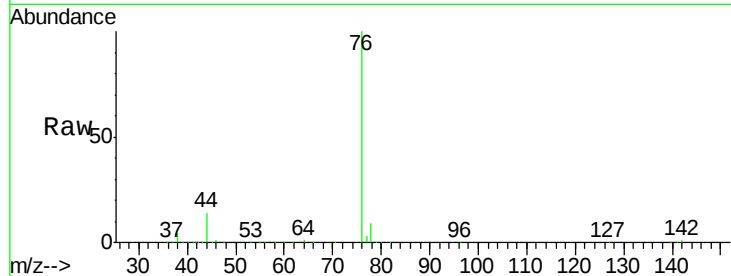
78 8.9 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

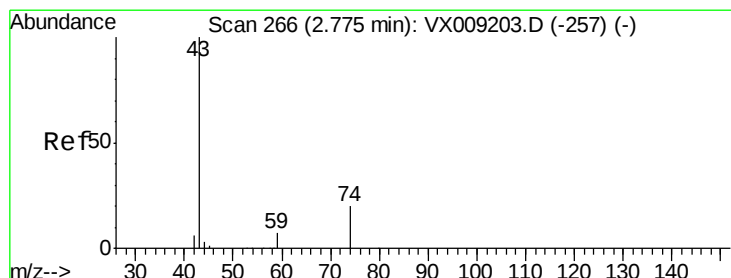
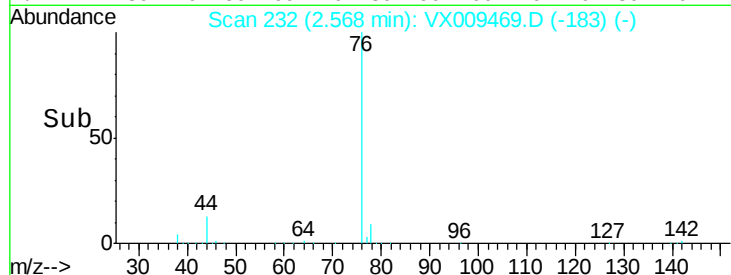
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 50.866 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX009469.D

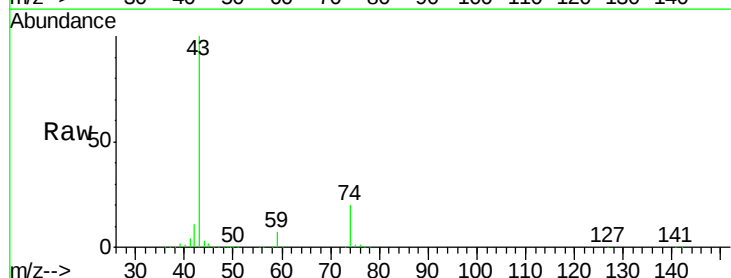
Acq: 10 May 2019 08:05

Tgt Ion: 43 Resp: 137108

Ion Ratio Lower Upper

43 100

74 20.6 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

80000

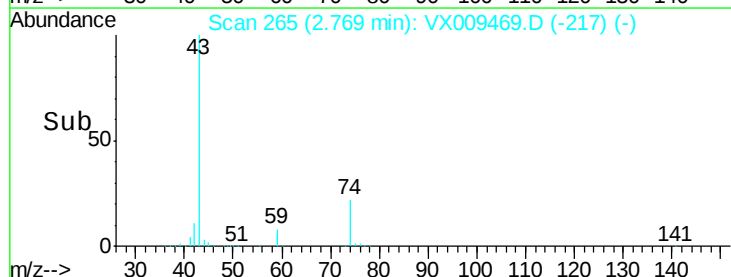
60000

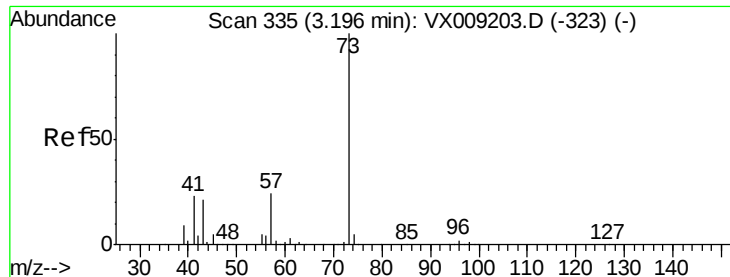
40000

20000

0

Time-->





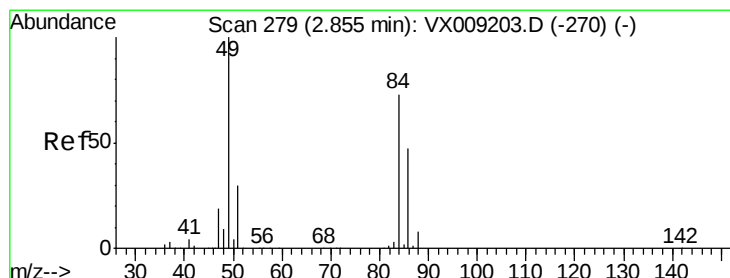
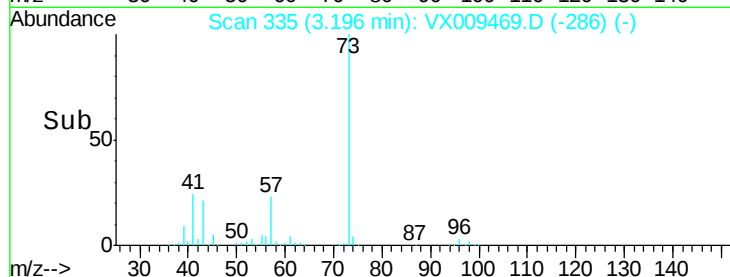
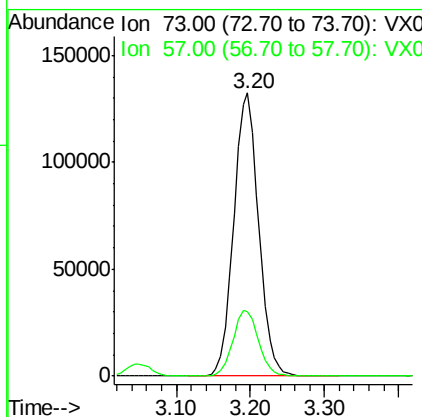
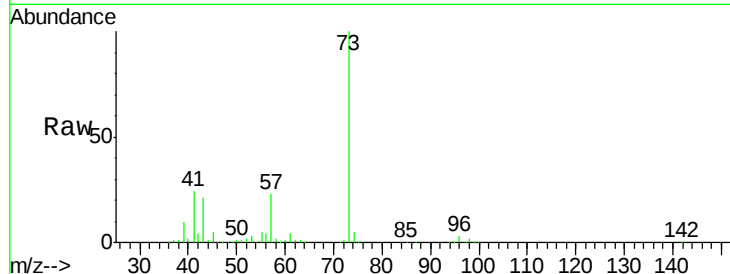
#19
Methvl tert-butvl Ether
Concen: 55.136 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	19.3	28.9

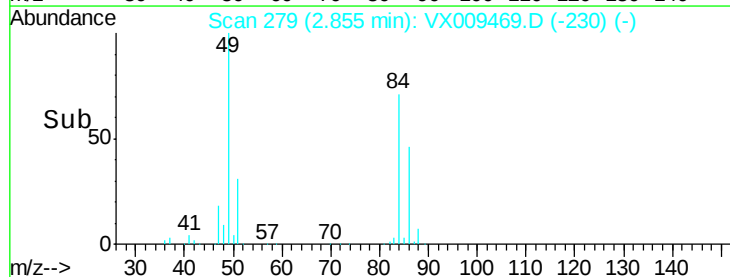
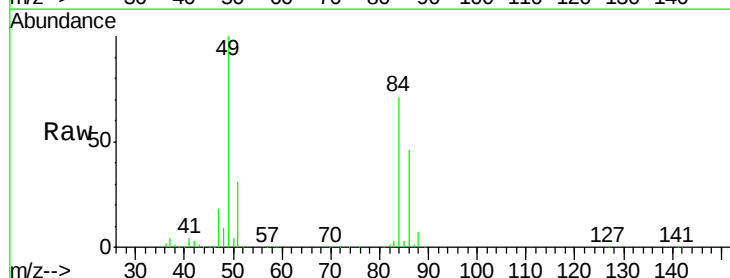
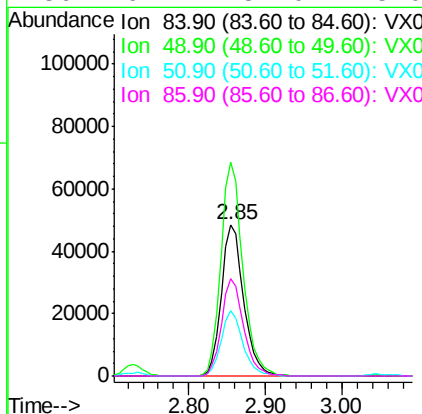
Manual Integrations
APPROVED

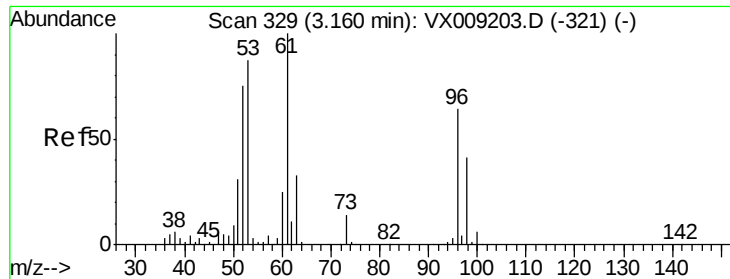
MMDadoda
5/10/2019 1:13:06 PM



#20
Methylene Chloride
Concen: 53.144 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.3	109.9	164.9
51	43.5	32.7	49.1
86	64.7	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 56.304 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 88589

Ion Ratio Lower Upper

96 100

61 153.9 124.5 186.7

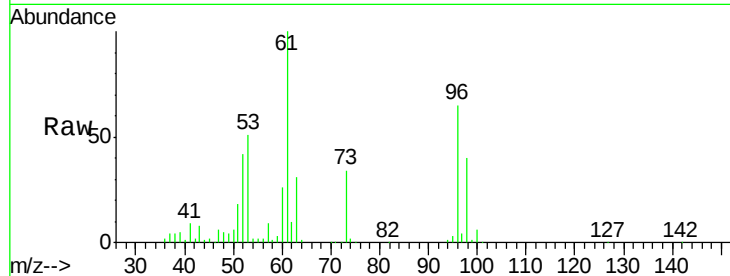
98 61.6 50.4 75.6

Manual Integrations

APPROVED

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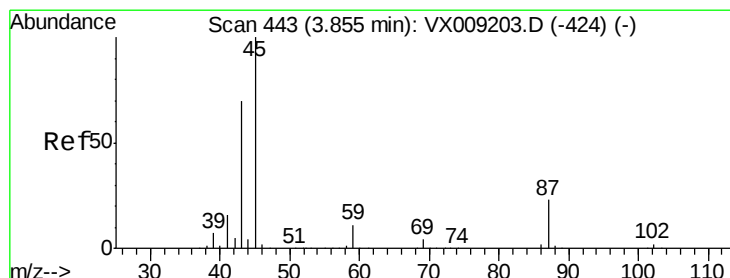
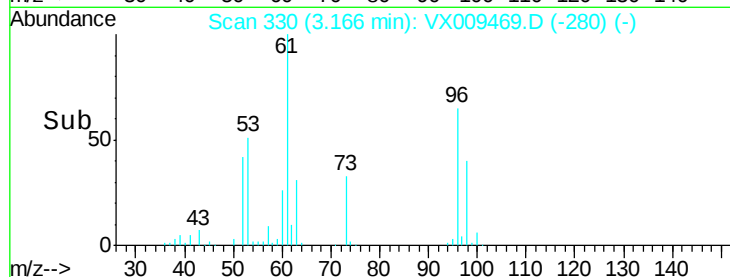
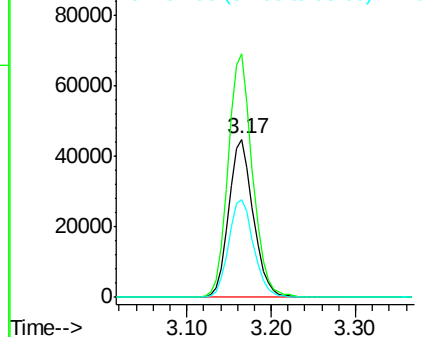
5/10/2019 1:13:06 PM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 55.275 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

Tgt Ion: 45 Resp: 375838

Ion Ratio Lower Upper

45 100

43 70.8 56.1 84.1

87 23.0 18.1 27.1

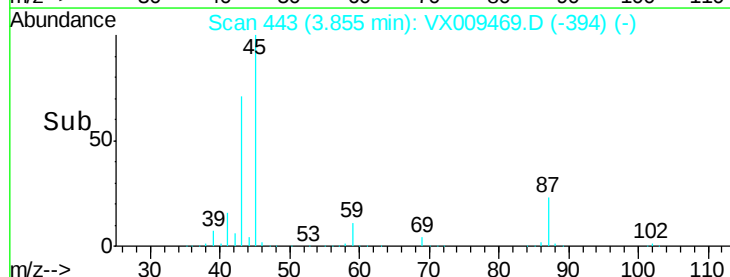
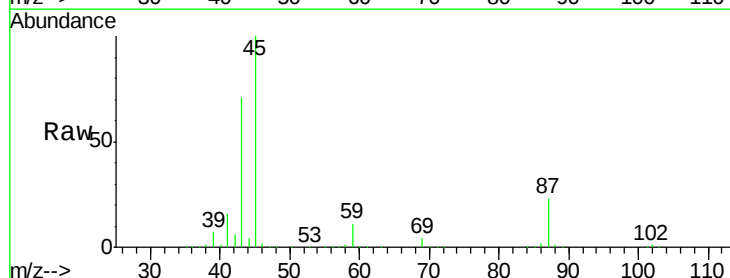
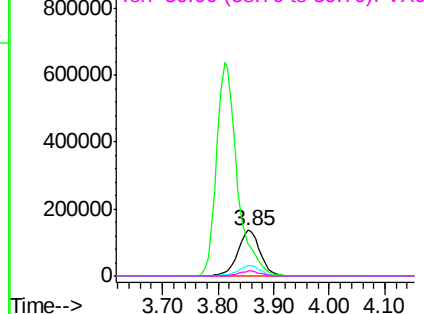
59 10.7 8.5 12.7

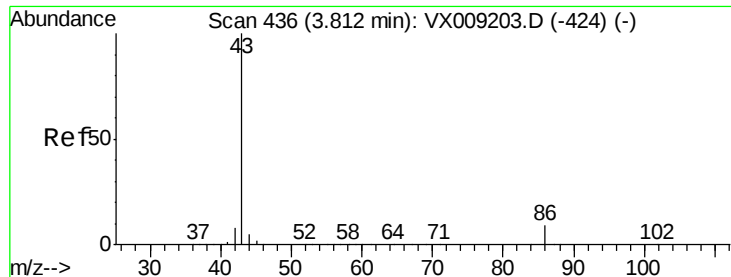
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 282.726 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1646145

Ion Ratio Lower Upper

43 100

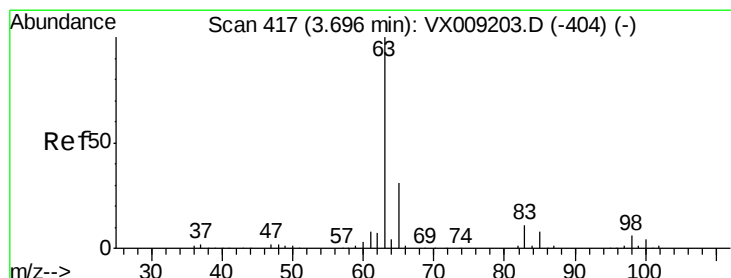
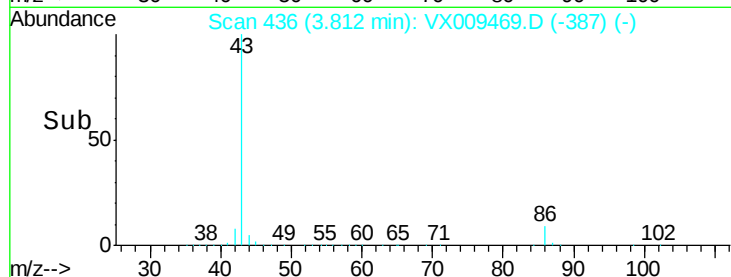
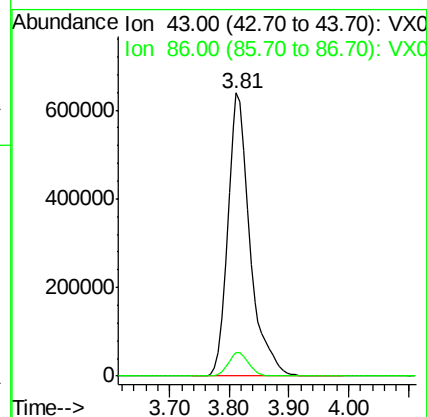
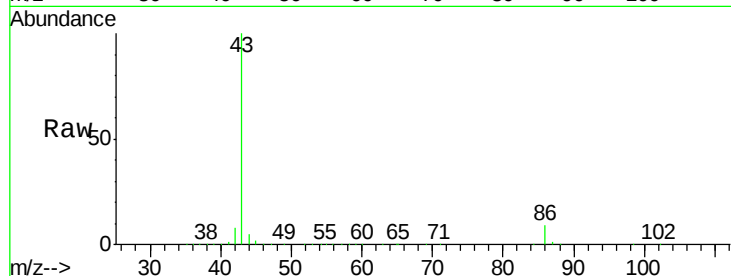
86 8.5 6.9 10.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 54.345 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

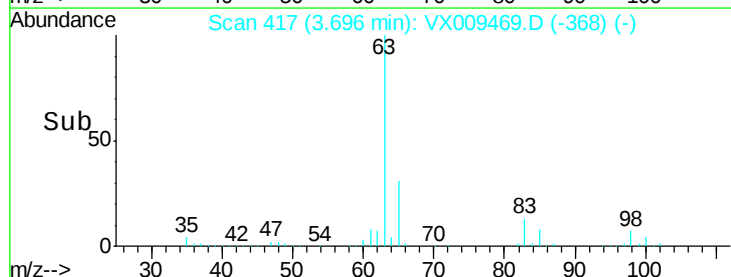
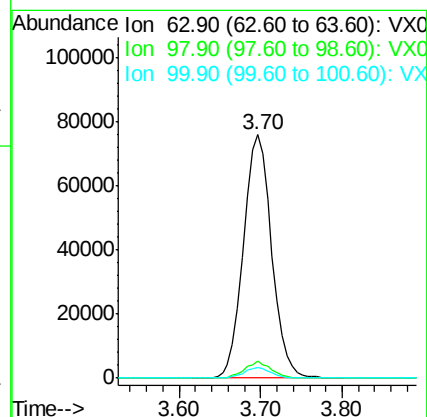
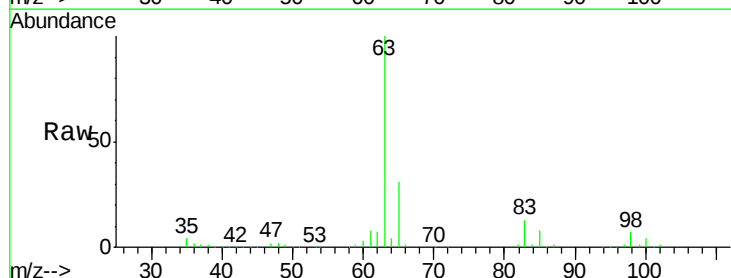
Tgt Ion: 63 Resp: 182284

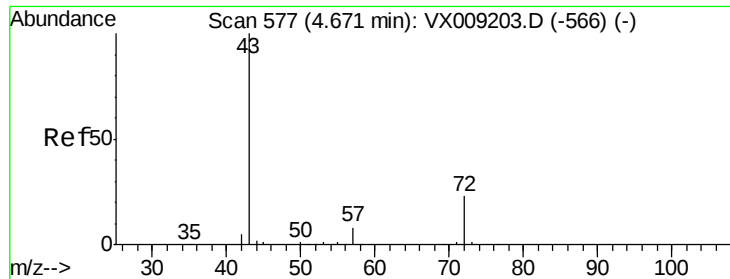
Ion Ratio Lower Upper

63 100

98 6.8 3.0 9.2

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 265.899 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 468321

Ion Ratio Lower Upper

43 100

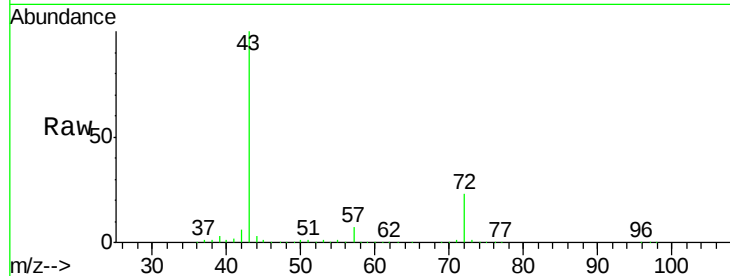
72 22.9 18.2 27.2

Manual Integrations

APPROVED

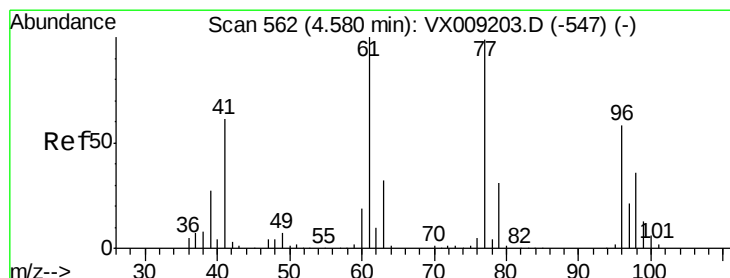
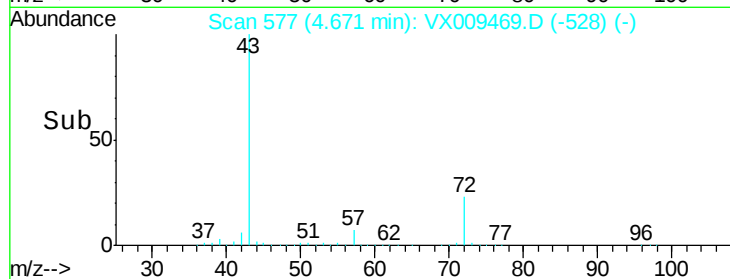
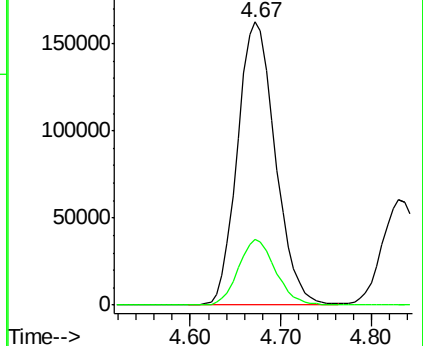
MMDadoda

5/10/2019 1:13:06 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 36.406 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009469.D

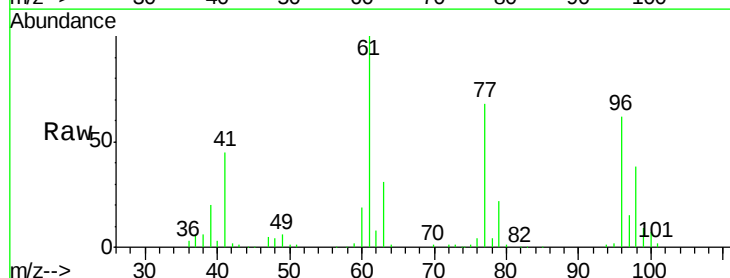
Acq: 10 May 2019 08:05

Tgt Ion: 77 Resp: 90895

Ion Ratio Lower Upper

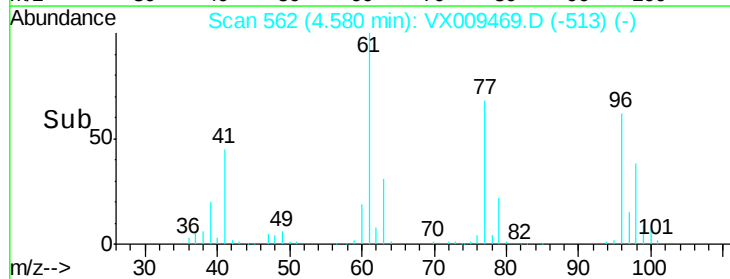
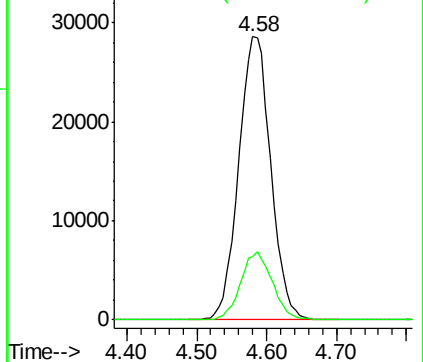
77 100

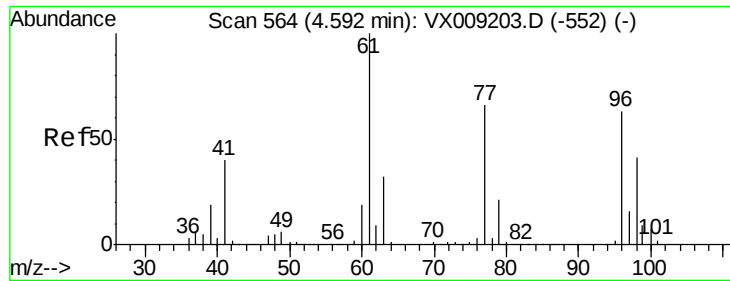
97 23.7 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

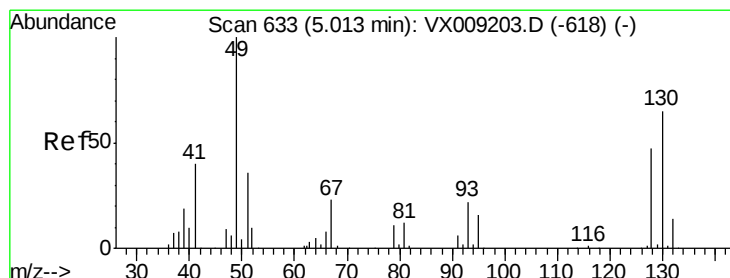
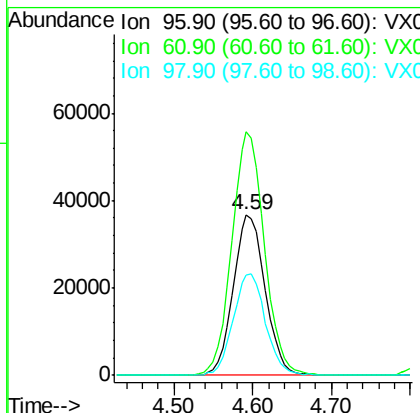
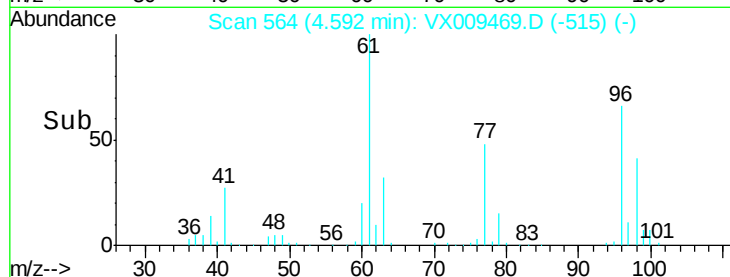
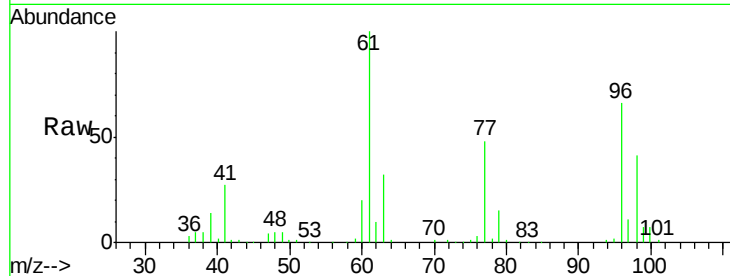
cis-1,2-Dichloroethene
Concen: 55.042 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	103371		
61	154.3	0.0	324.0	
98	64.0	0.0	130.4	

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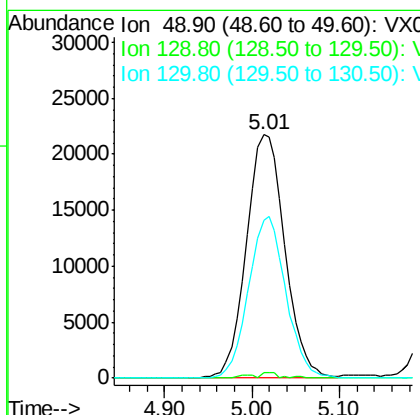
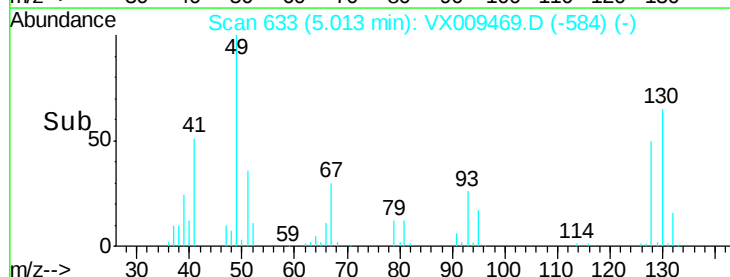
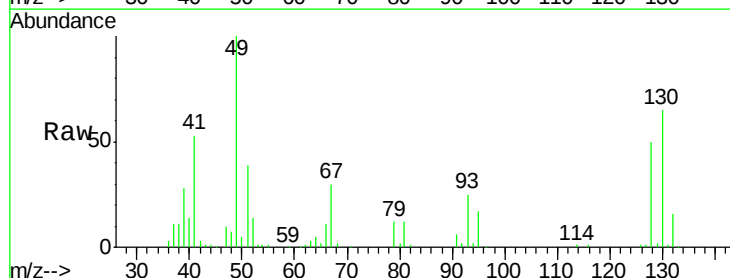
MMDadoda
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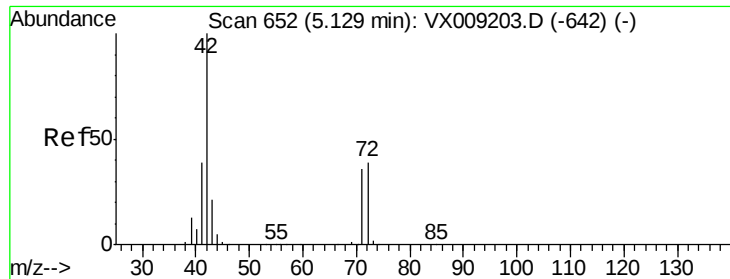


#28

Bromochloromethane
Concen: 49.304 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	66623		
129	1.4	0.0	3.8	
130	64.2	51.2	76.8	





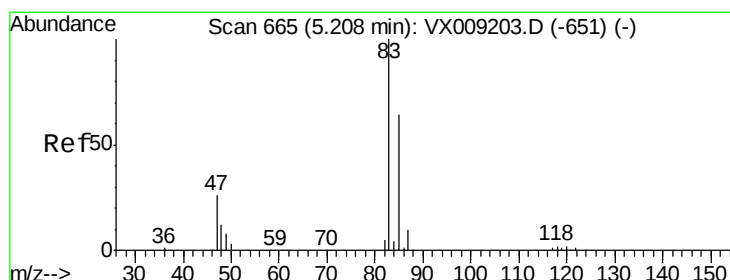
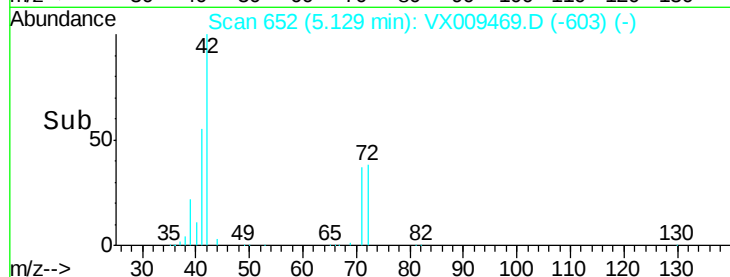
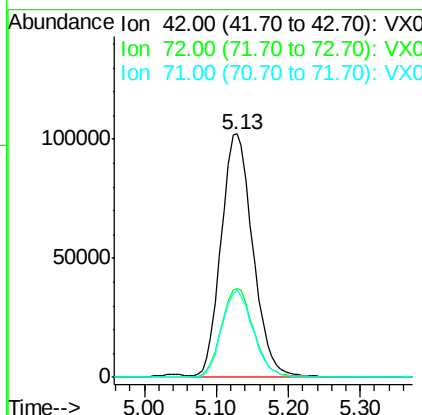
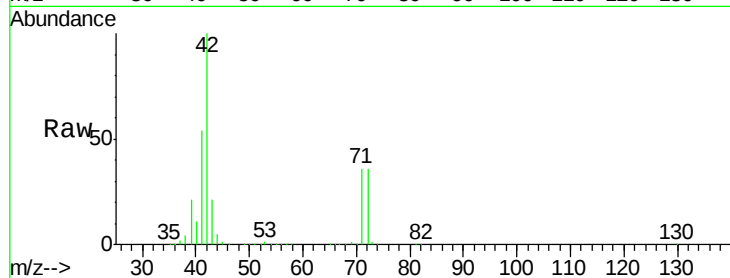
#29
Tetrahydrofuran
Concen: 275.937 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	30.4	45.6
71	35.6	28.6	43.0

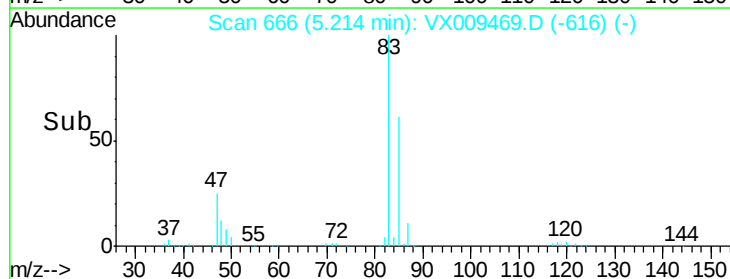
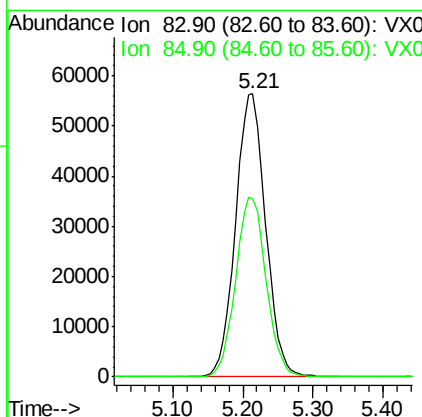
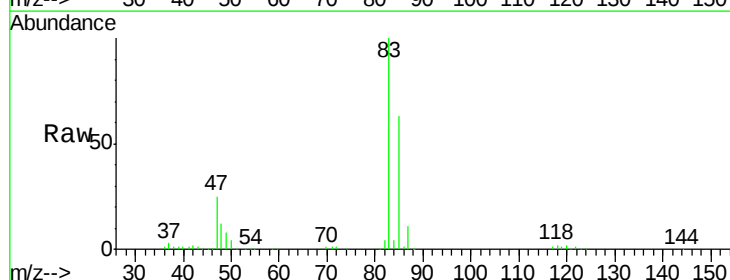
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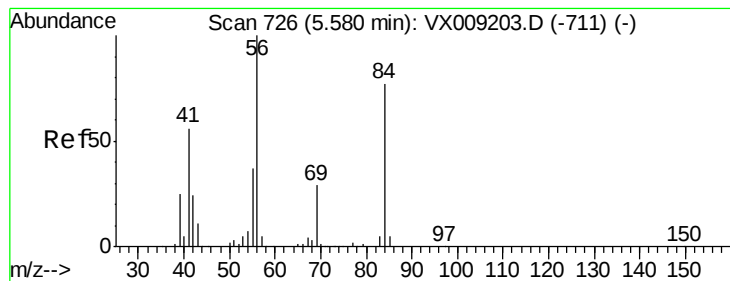
MMDadoda
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#30
Chloroform
Concen: 55.602 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.5	77.3





#31

Cyclohexane

Concen: 54.593 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

Instrument :

MSVOA_X

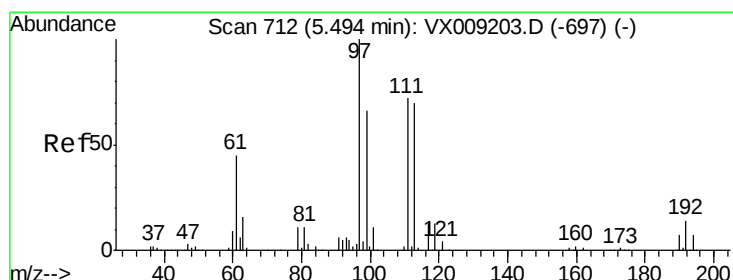
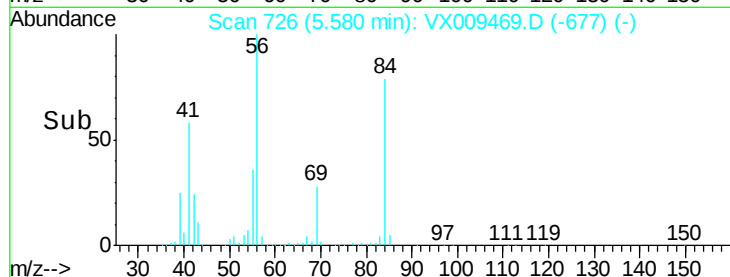
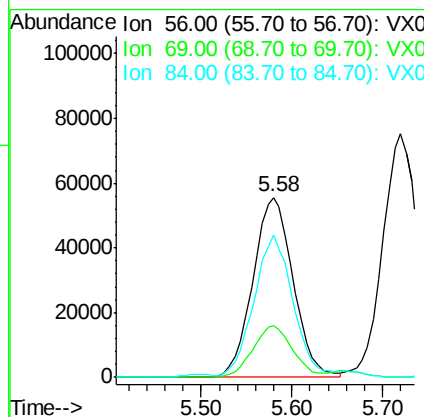
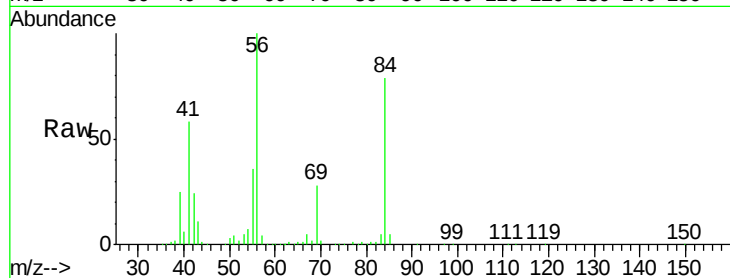
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	170367
Ion	Ratio	Lower	Upper
56	100		
69	28.4	23.4	35.0
84	77.8	61.9	92.9

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#32

1,1,1-Trichloroethane

Concen: 55.577 ug/l

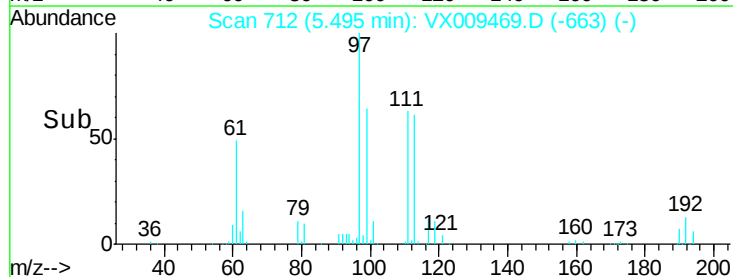
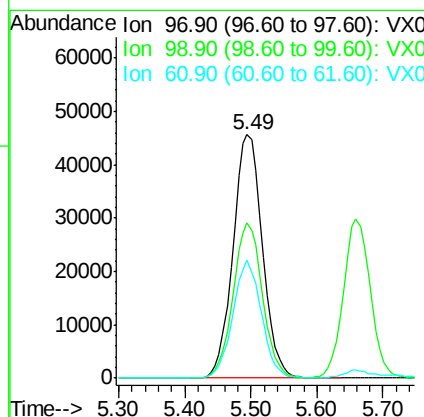
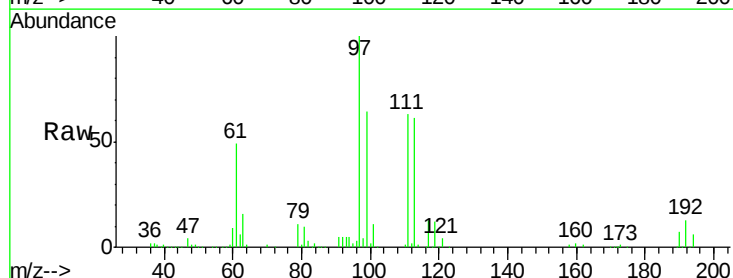
RT: 5.49 min Scan# 712

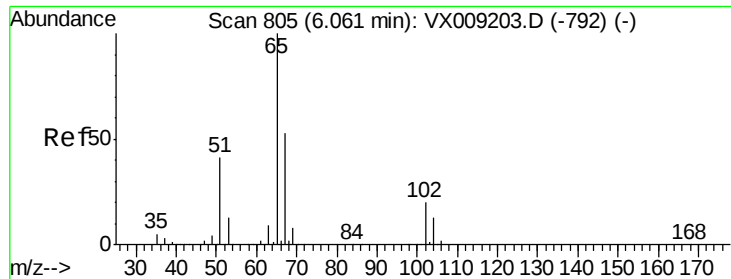
Delta R.T. 0.00 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

Tgt Ion:	97	Resp:	140355
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.8	77.8
61	47.1	37.8	56.8





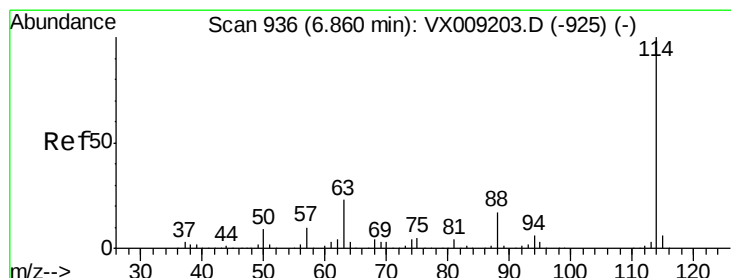
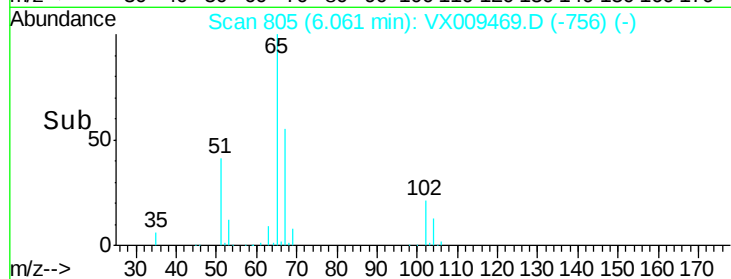
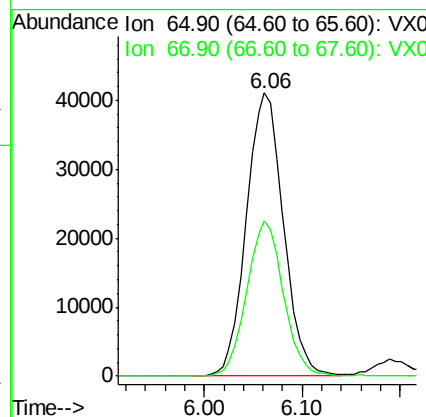
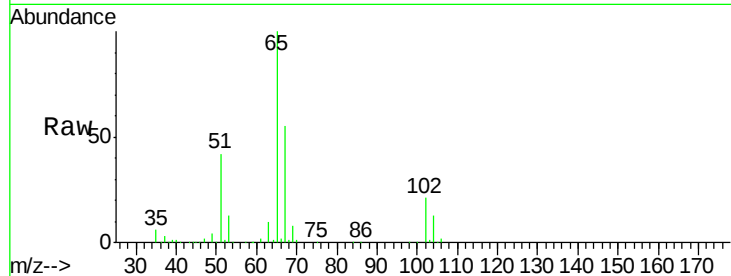
#33
 1,2-Dichloroethane-d4
 Concen: 51.279 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009469.D
 Acq: 10 May 2019 08:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	106.6

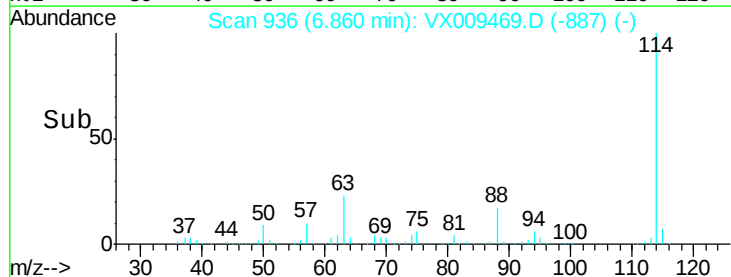
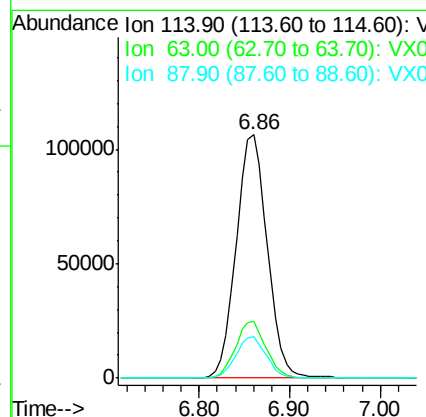
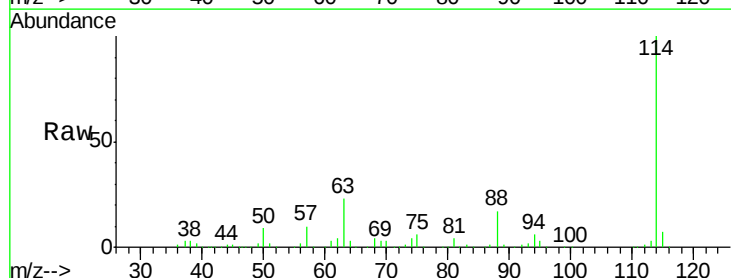
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009469.D
 Acq: 10 May 2019 08:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	45.6
88	17.0	0.0	33.2





#35

Dibromofluoromethane

Concen: 50.732 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

Instrument :

MSVOA_X

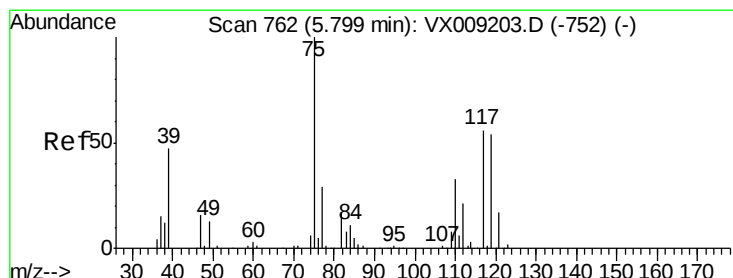
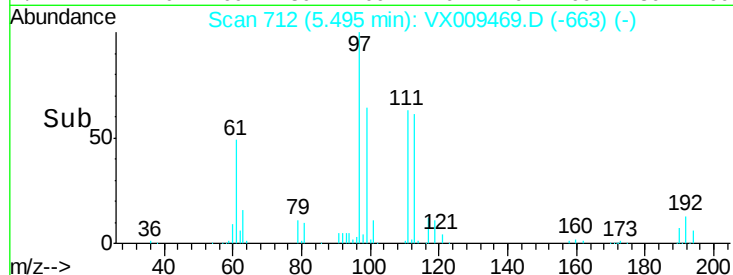
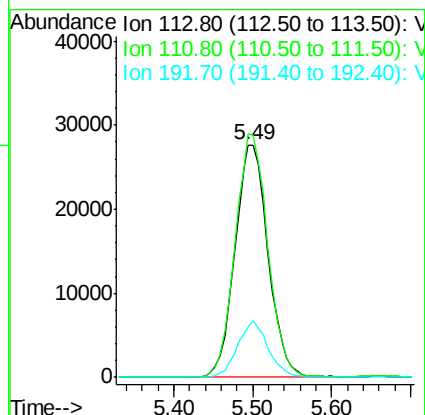
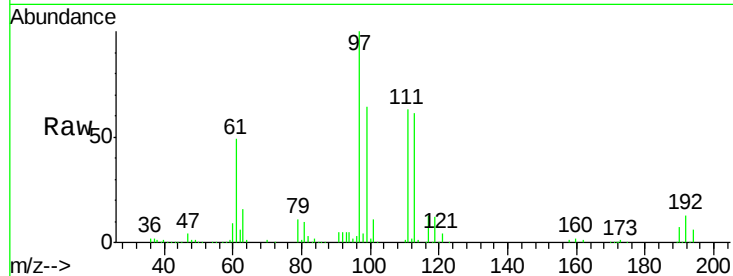
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	80730
Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.8	124.2
192	22.4	17.0	25.6

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#36

1,1-Dichloropropene

Concen: 54.063 ug/l

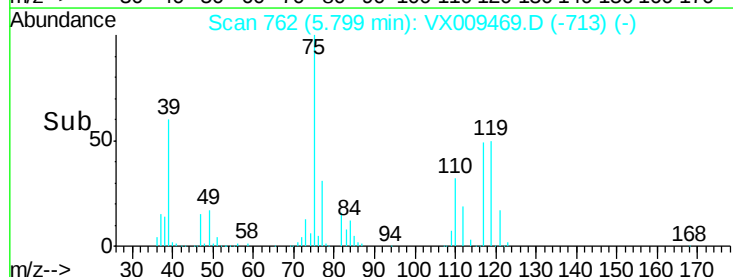
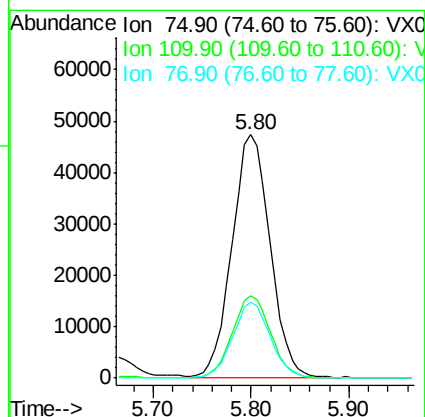
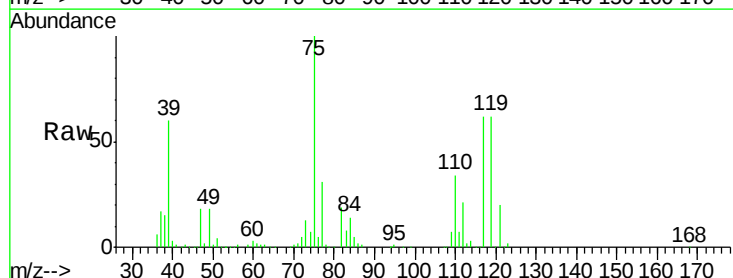
RT: 5.80 min Scan# 762

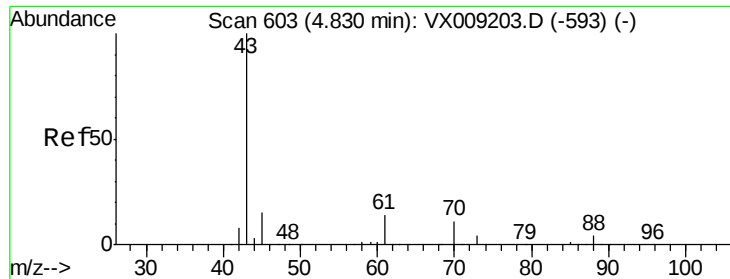
Delta R.T. 0.00 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

Tgt Ion:	75	Resp:	127178
Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.9	50.6
77	31.5	24.8	37.2





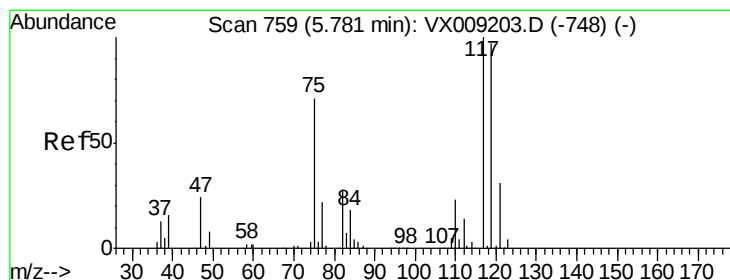
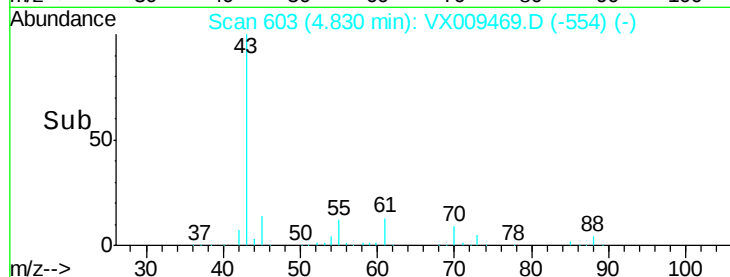
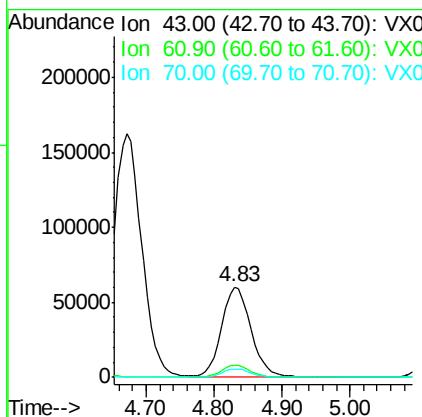
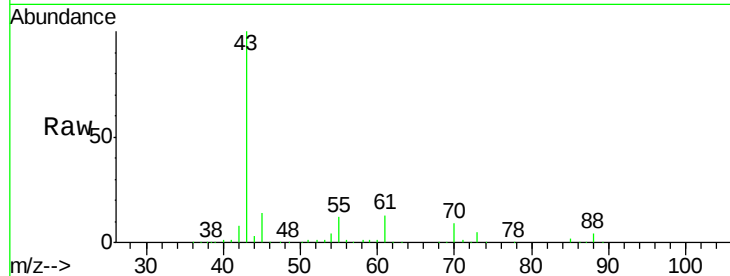
#37
Ethyl Acetate
Concen: 54.798 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.00 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	179605
Ion Ratio	100	Lower	Upper
43	100		
61	12.9	10.5	15.7
70	9.4	7.9	11.9

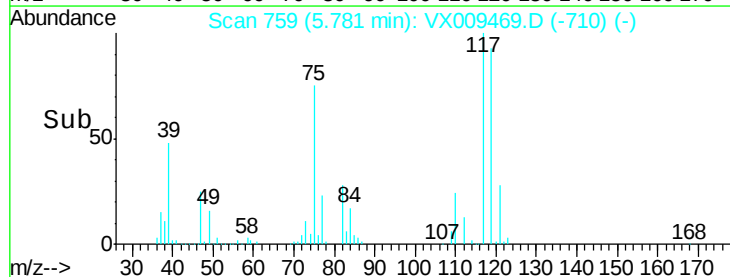
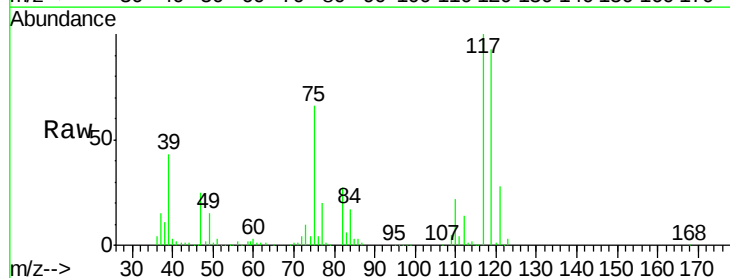
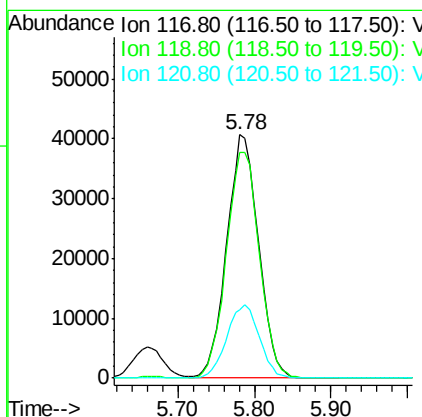
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#38
Carbon Tetrachloride
Concen: 54.832 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Tgt Ion	117	Resp	117193
Ion Ratio	100	Lower	Upper
117	100		
119	92.7	77.5	116.3
121	28.2	24.7	37.1





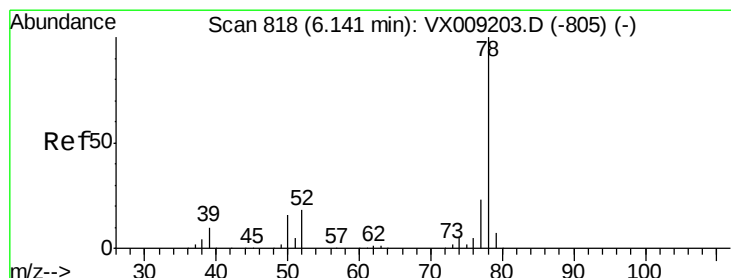
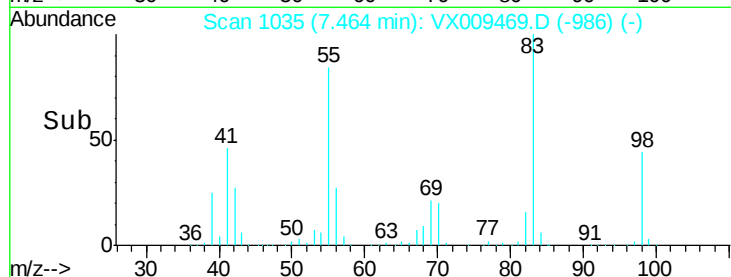
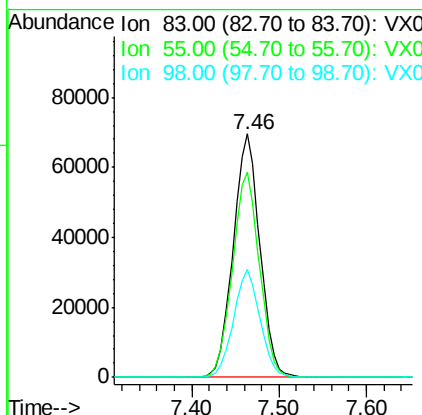
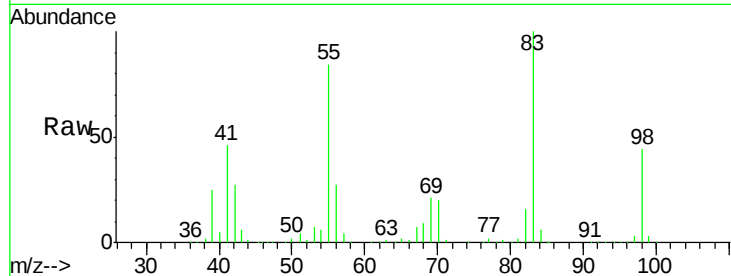
#39
Methvlcvclohexane
Concen: 51.071 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	83.00	Resp	147543
Ion Ratio	Lower	Upper	
83	100		
55	84.3	67.7	101.5
98	44.4	35.5	53.3

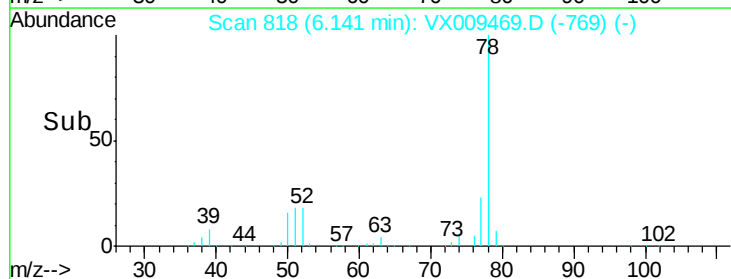
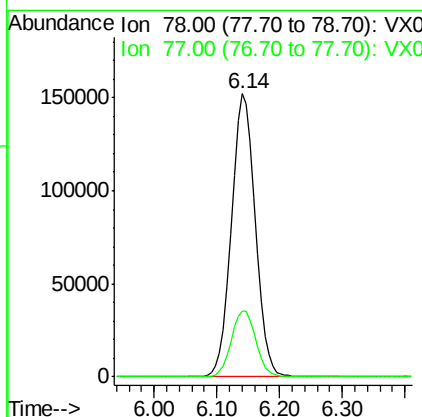
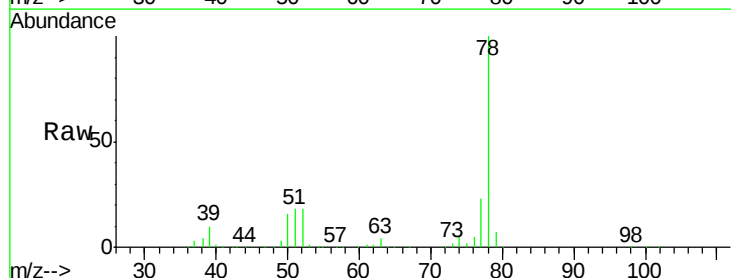
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#40
Benzene
Concen: 54.974 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Tgt Ion	78.00	Resp	400227
Ion Ratio	Lower	Upper	
78	100		
77	23.2	18.8	28.2





#41

Methacrylonitrile

Concen: 52.554 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

Instrument :

MSVOA_X

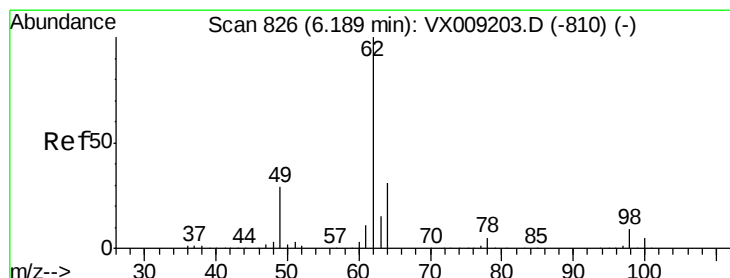
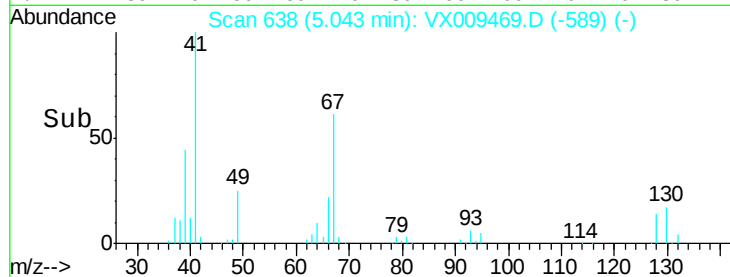
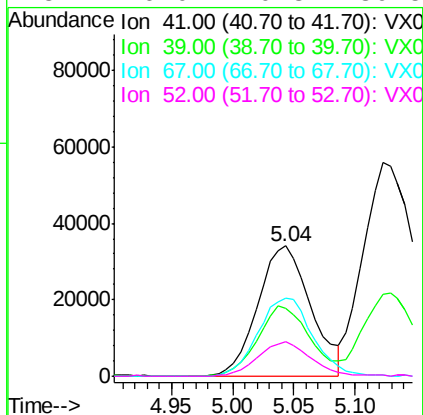
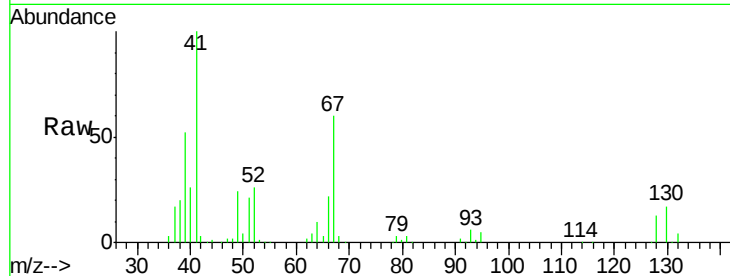
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.0	42.0	63.0	
67	62.1	49.8	74.8	
52	26.0	20.3	30.5	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 55.198 ug/l

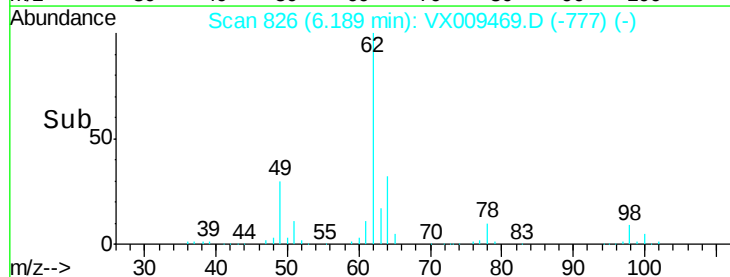
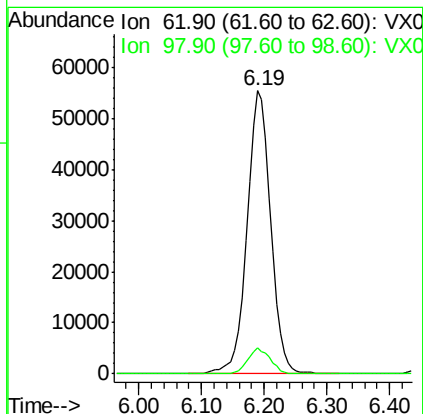
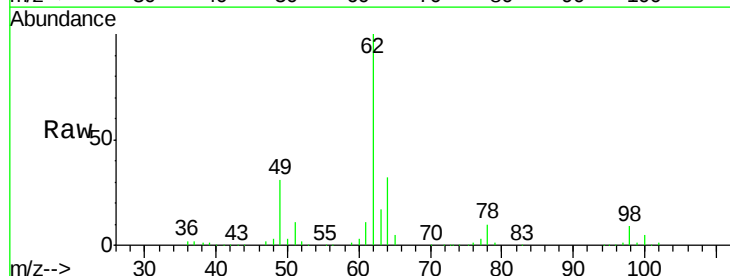
RT: 6.19 min Scan# 826

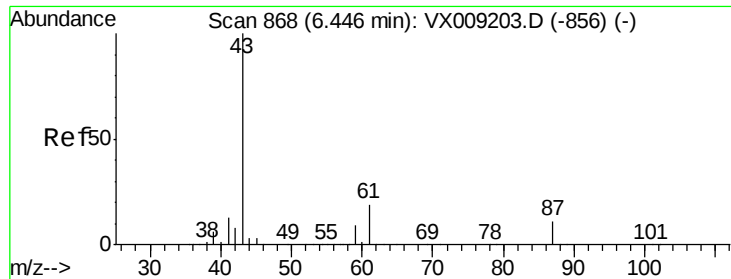
Delta R.T. 0.00 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	18.2	





#43

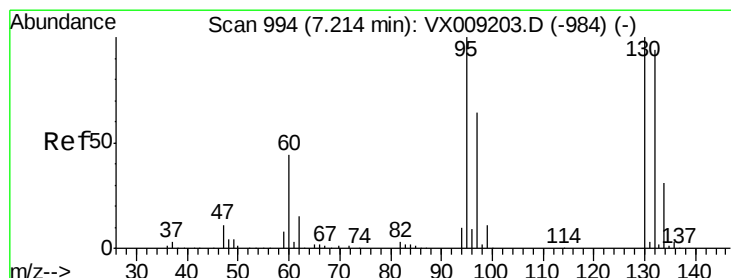
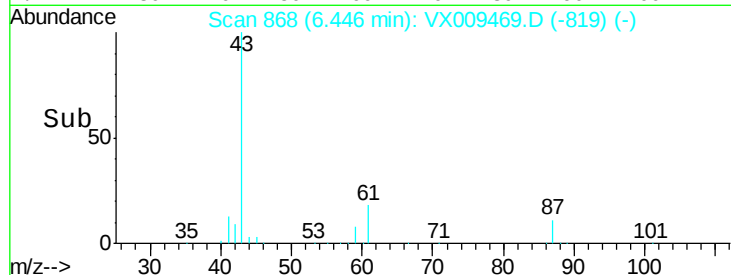
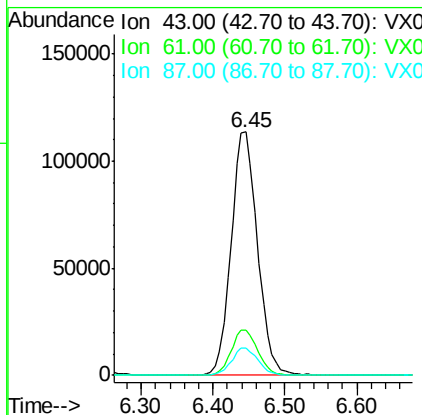
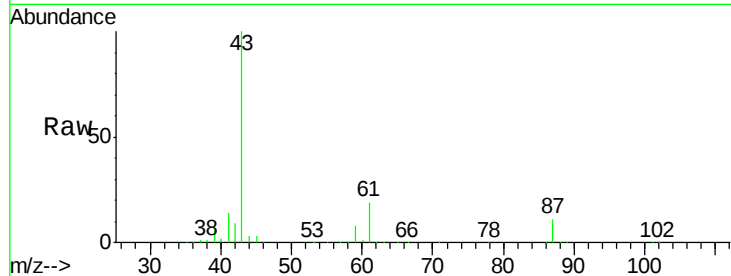
Isopropyl Acetate
 Concen: 54.835 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX009469.D
 Acq: 10 May 2019 08:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.1	22.7
87	11.4	9.0	13.6

Manual Integrations
 APPROVED

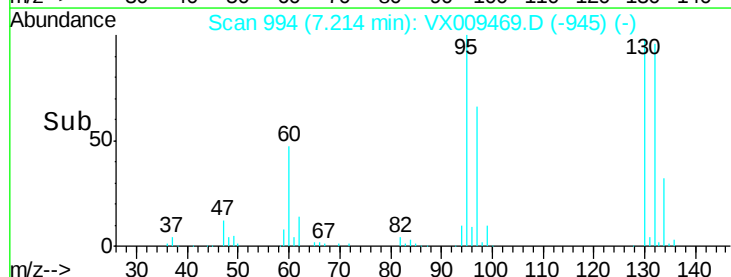
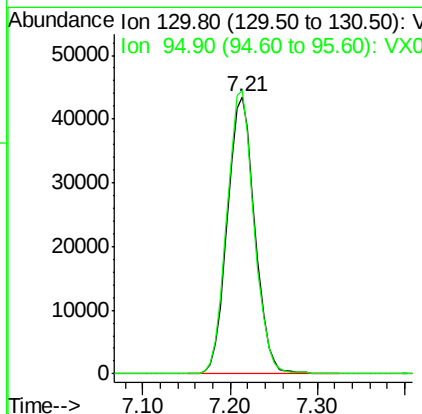
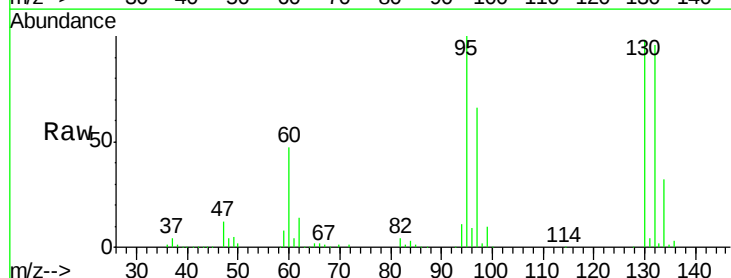
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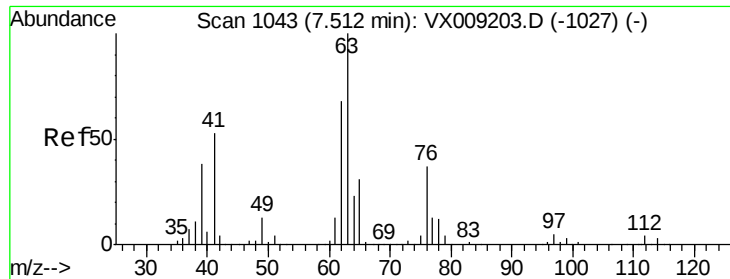


#44

Trichloroethene
 Concen: 53.889 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009469.D
 Acq: 10 May 2019 08:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	199.2





#45

1,2-Dichloropropane

Concen: 54.795 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 112959

Ion Ratio Lower Upper

63 100

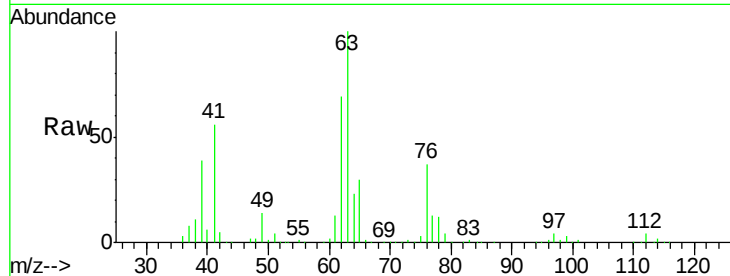
65 30.0 25.0 37.6

Manual Integrations

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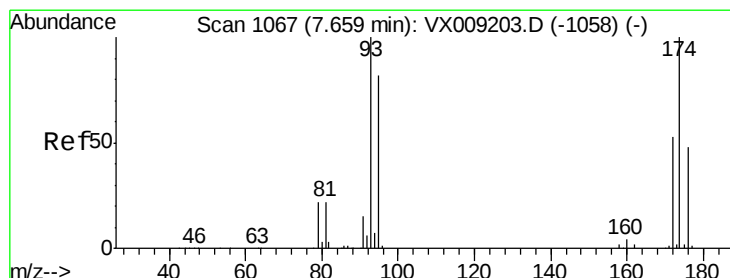
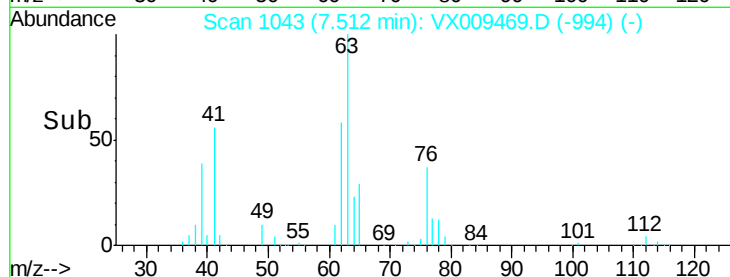
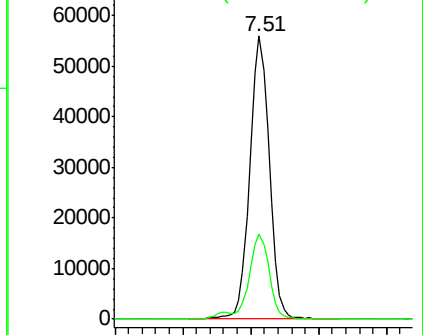
MMDadoda

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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: 54.376 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

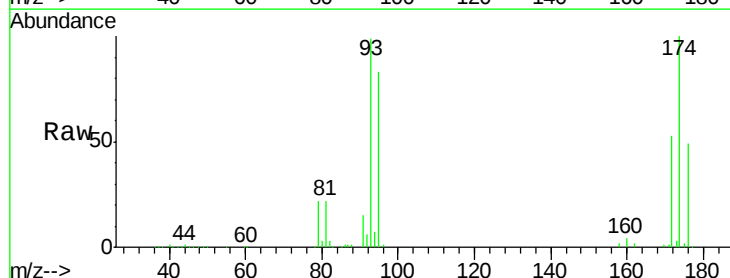
Tgt Ion: 93 Resp: 65094

Ion Ratio Lower Upper

93 100

95 82.2 66.5 99.7

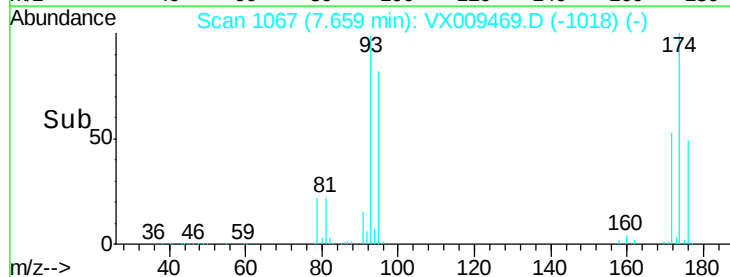
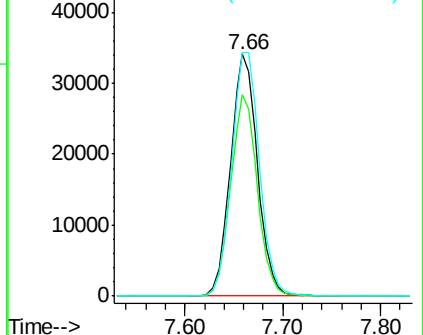
174 104.2 82.1 123.1

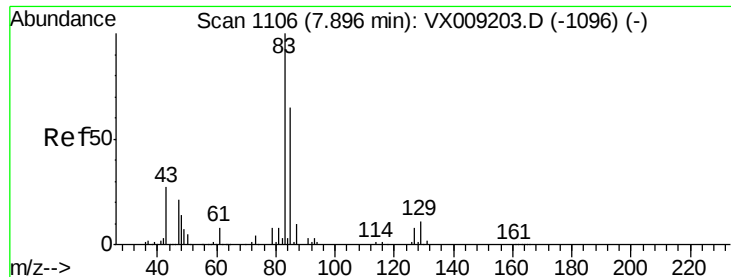


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 55.165 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

Instrument :

MSVOA_X

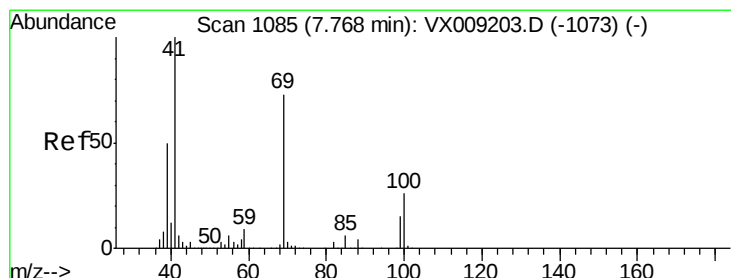
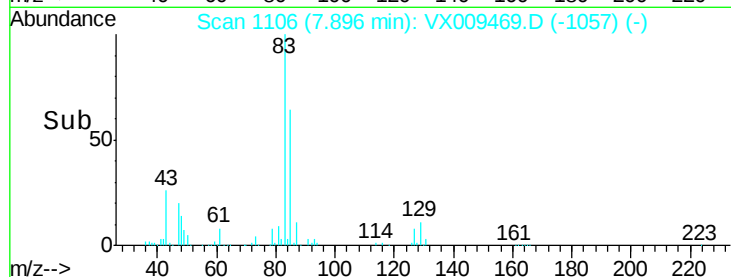
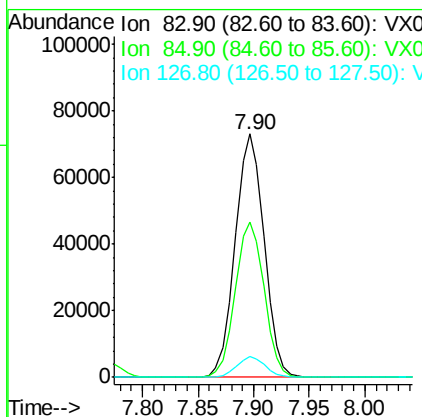
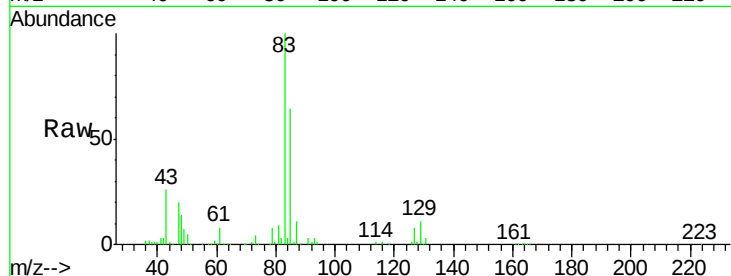
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	131731
Ion Ratio	Lower	Upper	
83	100		
85	63.9	52.4	78.6
127	8.4	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.774 ug/l

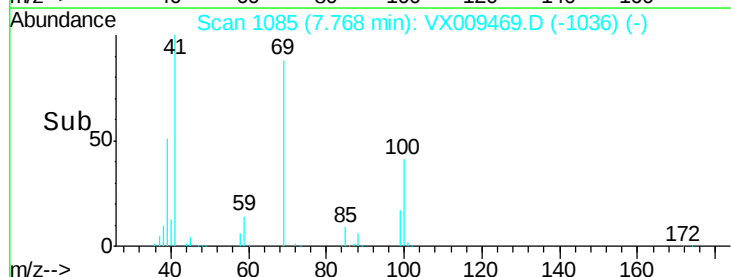
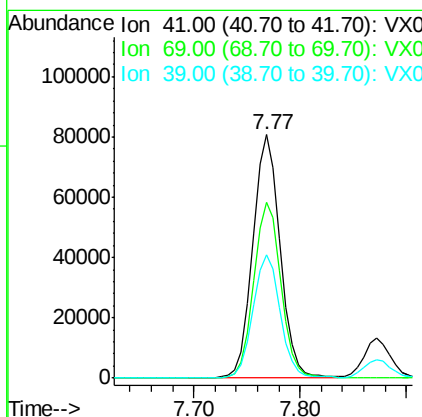
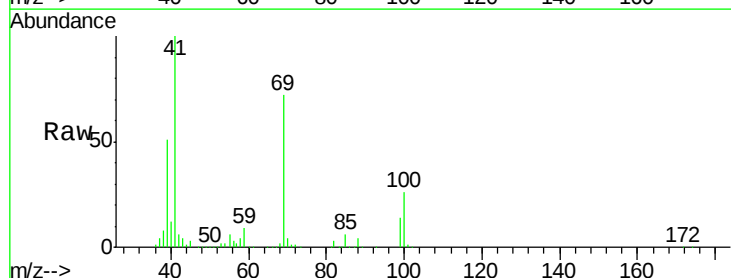
RT: 7.77 min Scan# 1085

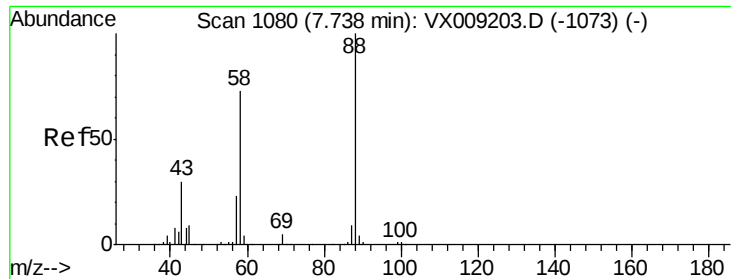
Delta R.T. 0.00 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

Tgt Ion:	41	Resp:	145068
Ion Ratio	Lower	Upper	
41	100		
69	73.0	59.1	88.7
39	50.5	40.4	60.6





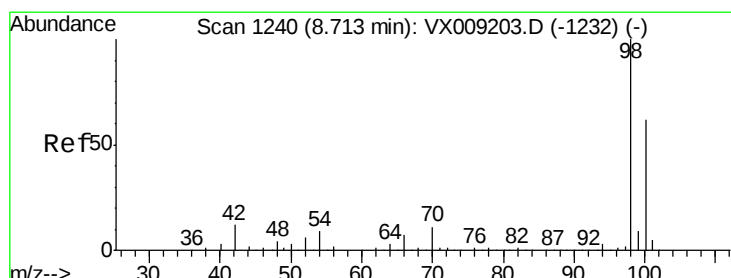
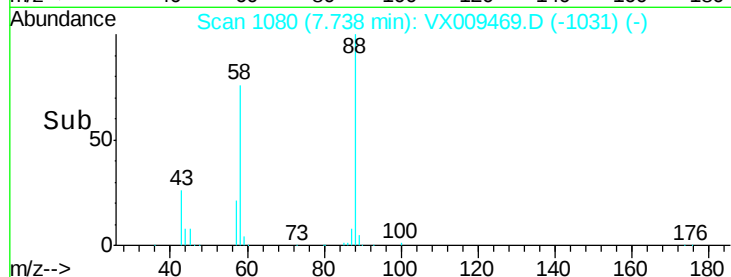
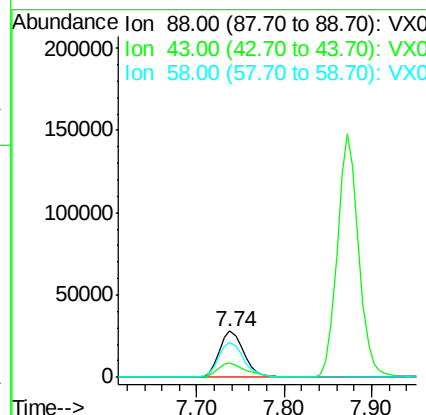
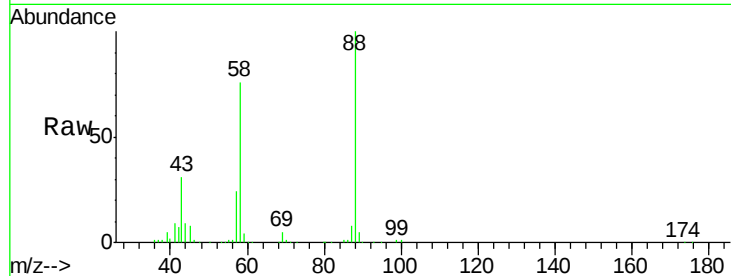
#49
1,4-Dioxane
Concen: 1041.118 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.5	28.6	42.8
58	77.7	61.7	92.5

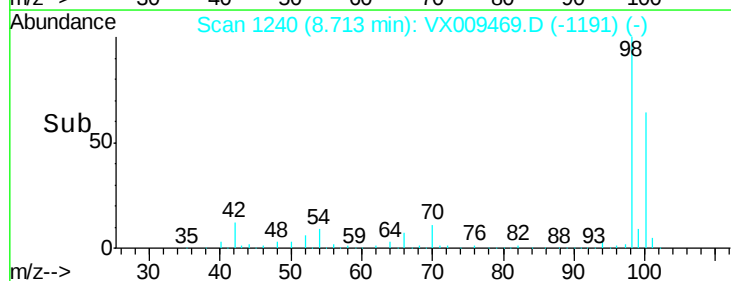
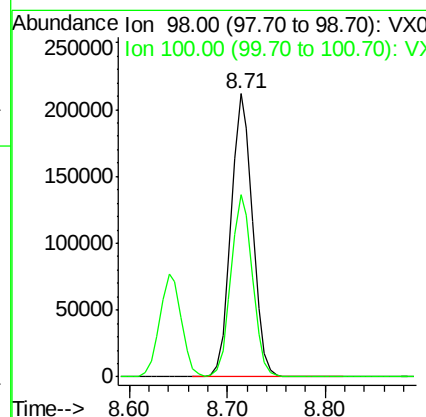
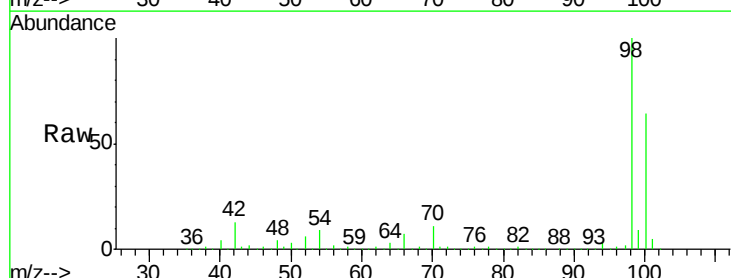
Manual Integrations
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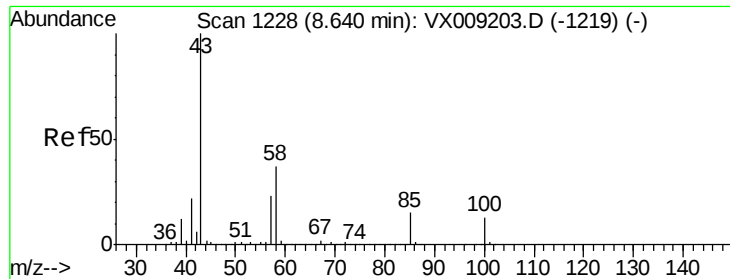
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#50
Toluene-d8
Concen: 50.267 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.2	76.8





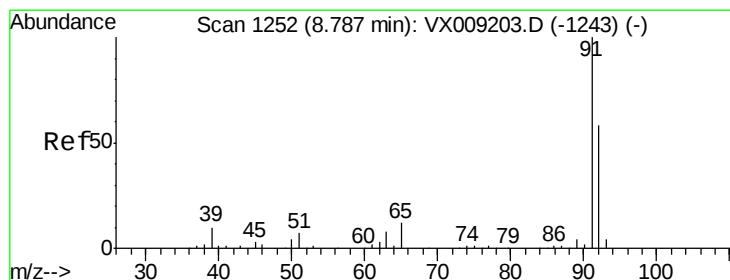
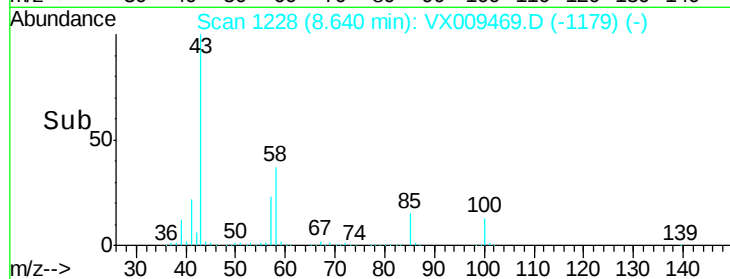
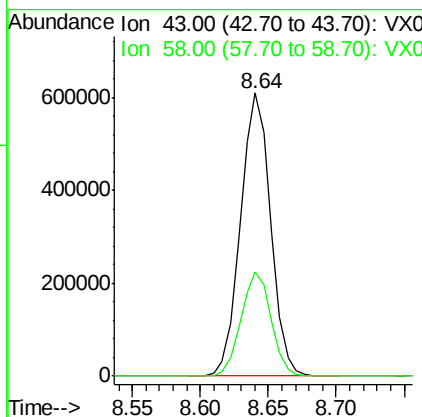
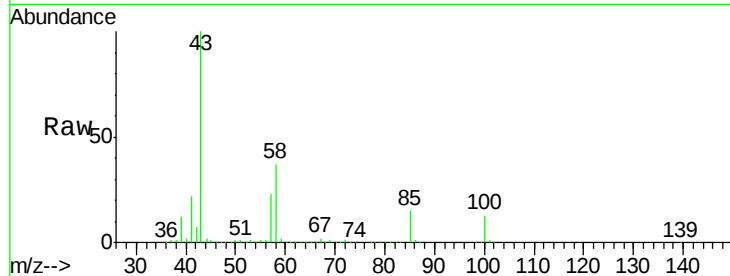
#51
4-Methyl-2-Pentanone
Concen: 274.203 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	939613
Ion Ratio	100	Lower	Upper
58	36.7	29.5	44.3

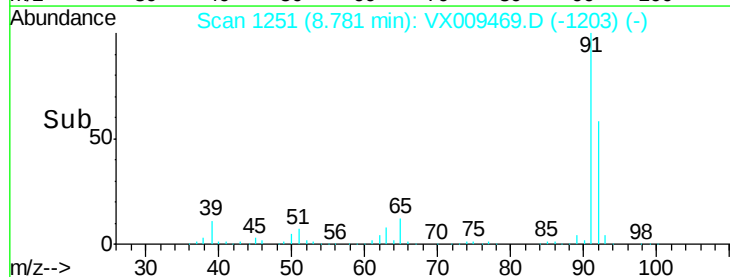
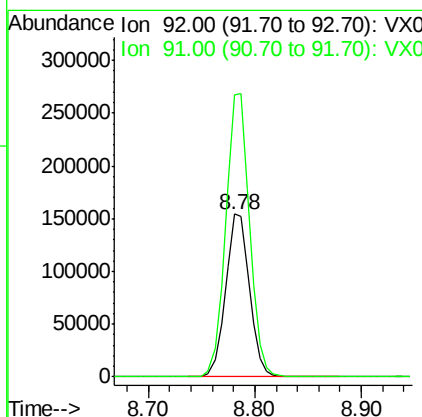
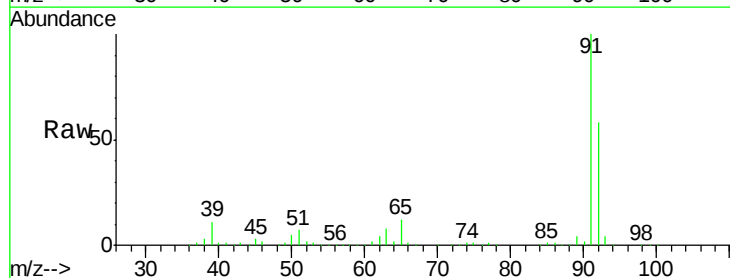
Manual Integrations
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#52
Toluene
Concen: 54.722 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Tgt Ion	92	Resp	242171
Ion Ratio	100	Lower	Upper
91	174.1	138.8	208.2





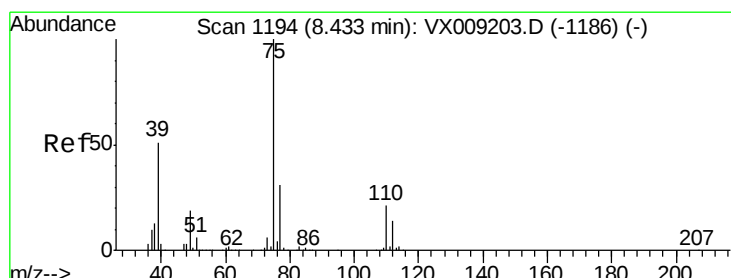
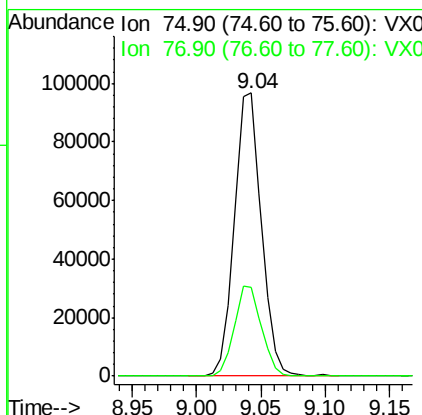
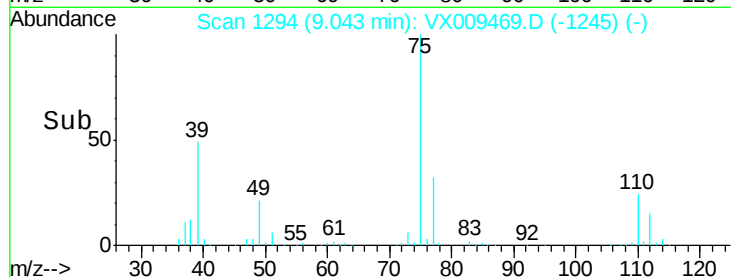
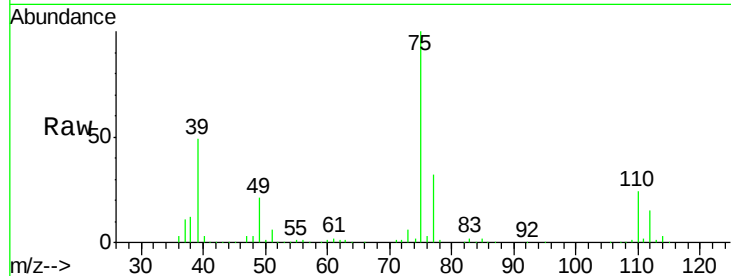
#53
t-1,3-Dichloropropene
Concen: 52.437 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 141370
Ion Ratio Lower Upper
75 100
77 31.6 25.0 37.6

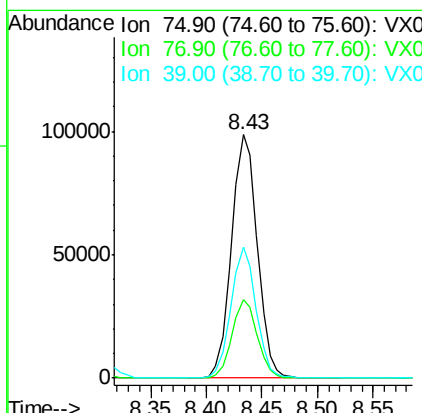
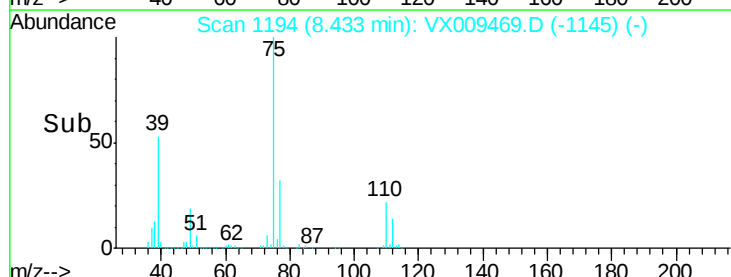
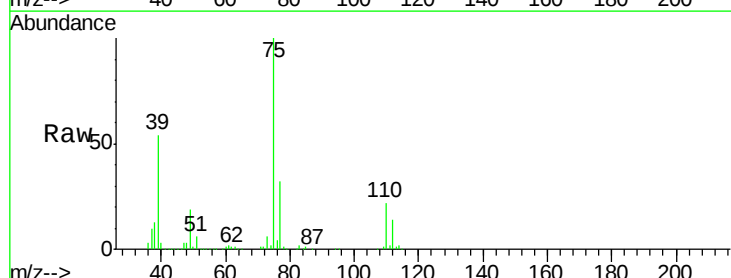
Manual Integrations
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#54
cis-1,3-Dichloropropene
Concen: 53.166 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Tgt Ion: 75 Resp: 158649
Ion Ratio Lower Upper
75 100
77 32.3 24.6 36.8
39 53.5 40.6 60.8





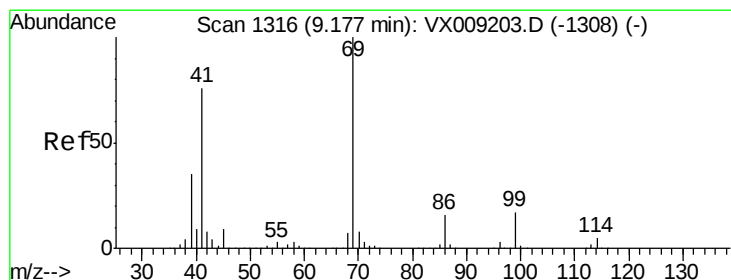
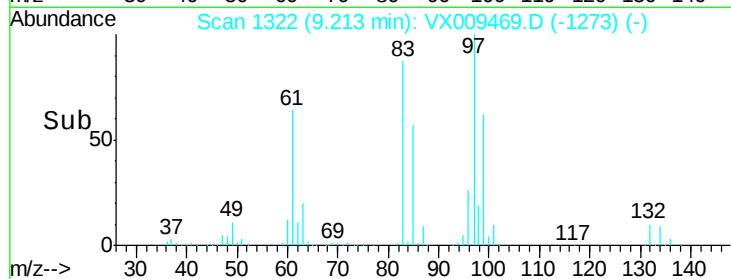
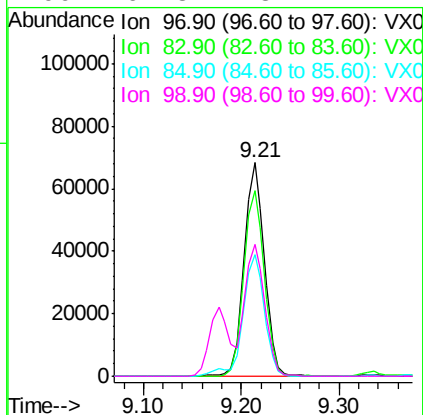
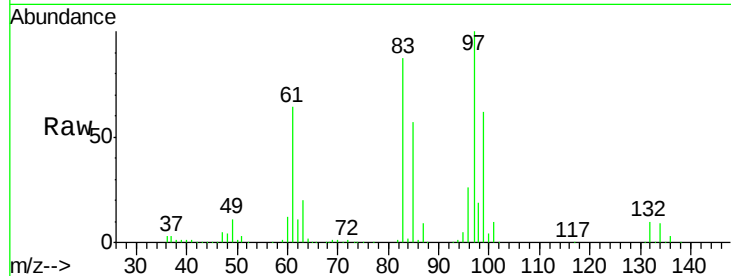
#55
 1,1,2-Trichloroethane
 Concen: 54.617 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009469.D
 Acq: 10 May 2019 08:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	98609
Ion	Ratio	Lower	Upper
97	100		
83	86.8	68.9	103.3
85	56.8	43.8	65.6
99	61.8	48.2	72.2

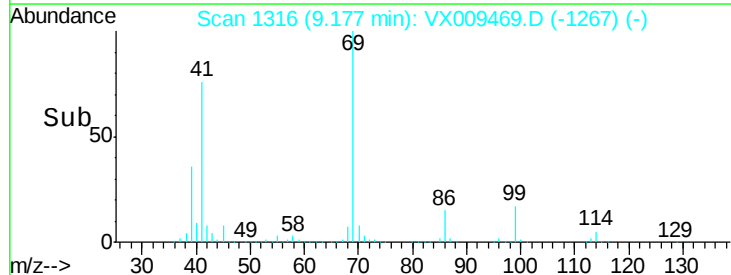
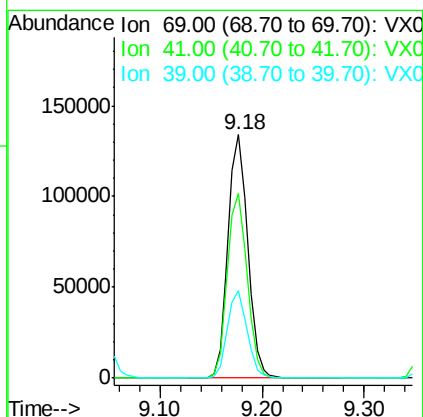
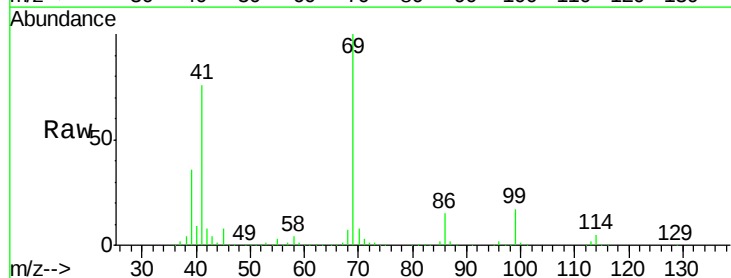
Manual Integrations
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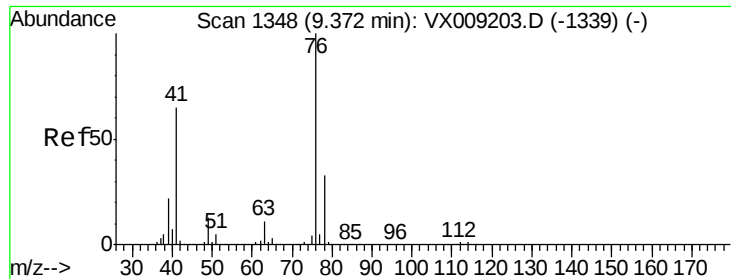
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#56
 Ethyl methacrylate
 Concen: 55.820 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009469.D
 Acq: 10 May 2019 08:05

Tgt Ion:	69	Resp:	179899
Ion	Ratio	Lower	Upper
69	100		
41	75.9	60.6	90.8
39	35.6	28.2	42.4





#57

1,3-Dichloropropane

Concen: 53.931 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 171349

Ion Ratio Lower Upper

76 100

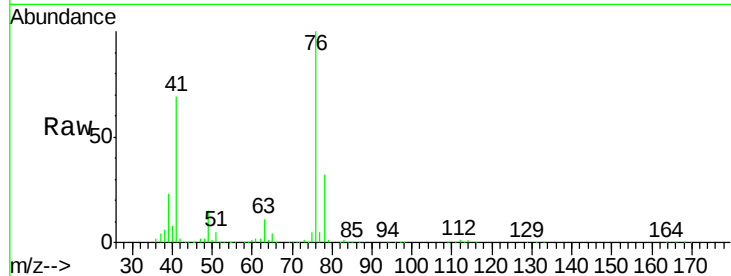
78 32.4 25.5 38.3

Manual Integrations

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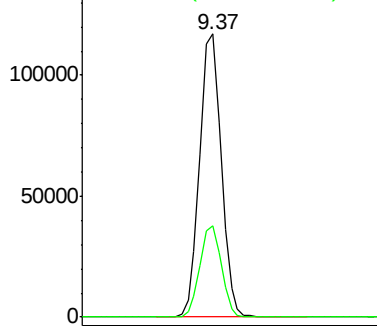
MMDadoda

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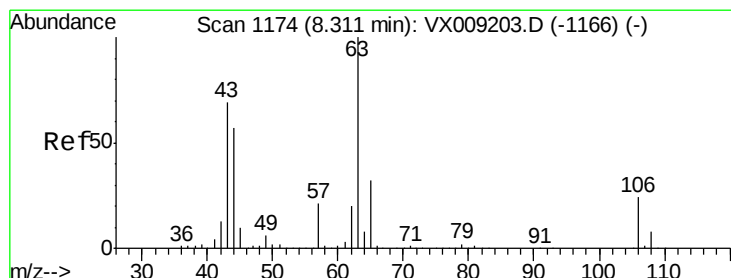
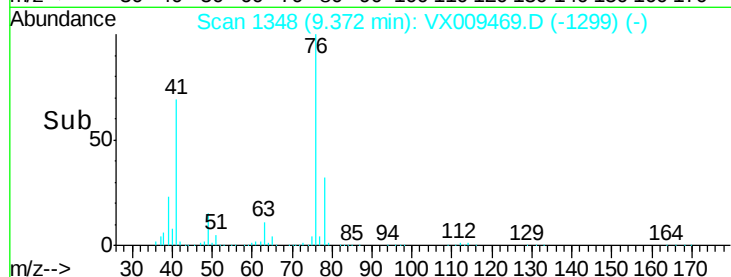


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 247.419 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX009469.D

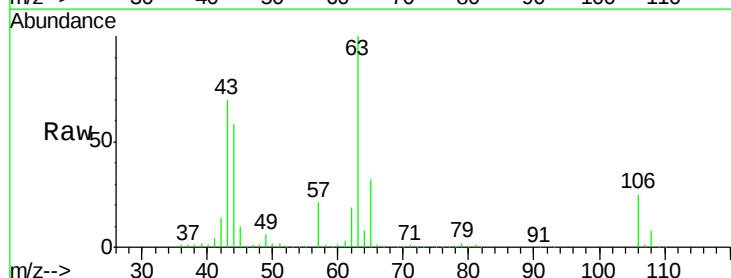
Acq: 10 May 2019 08:05

Tgt Ion: 63 Resp: 423015

Ion Ratio Lower Upper

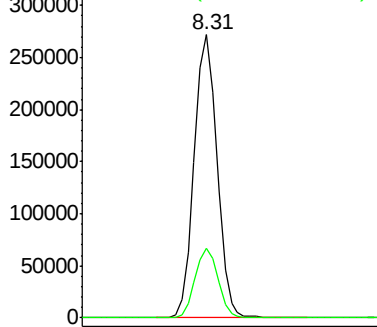
63 100

106 24.6 19.7 29.5

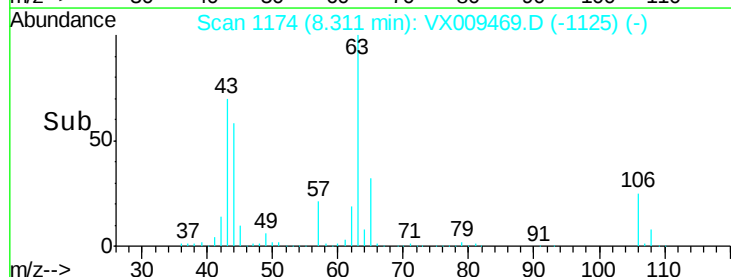


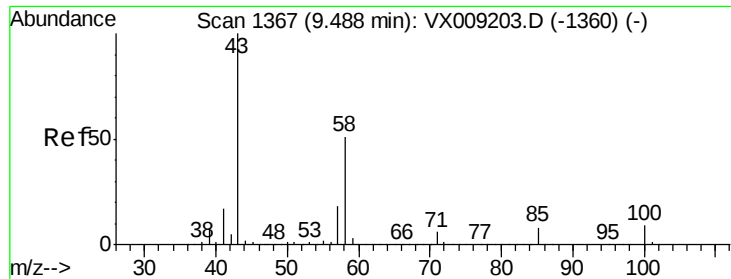
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V



Time-->





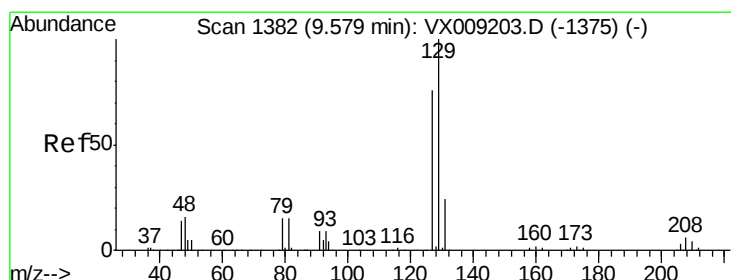
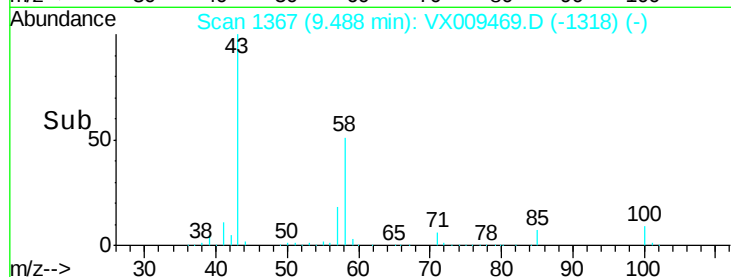
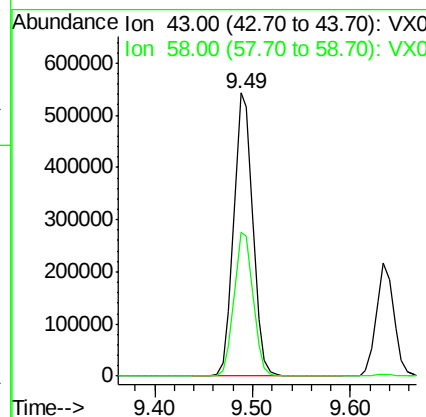
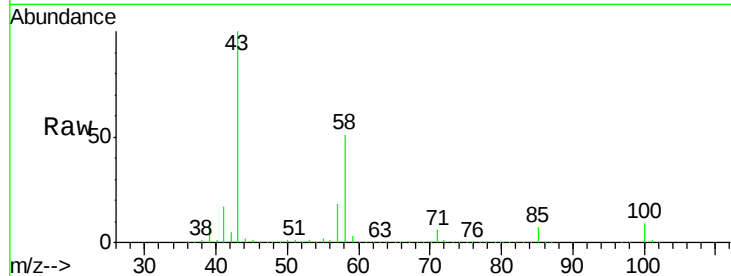
#59
2-Hexanone
Concen: 272.945 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 734575
Ion Ratio Lower Upper
43 100
58 51.1 25.9 77.7

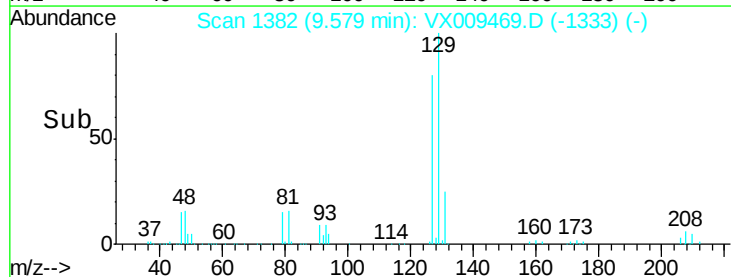
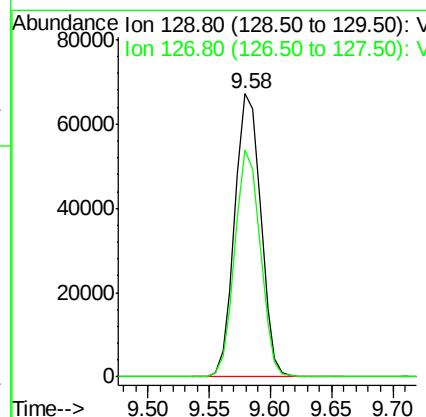
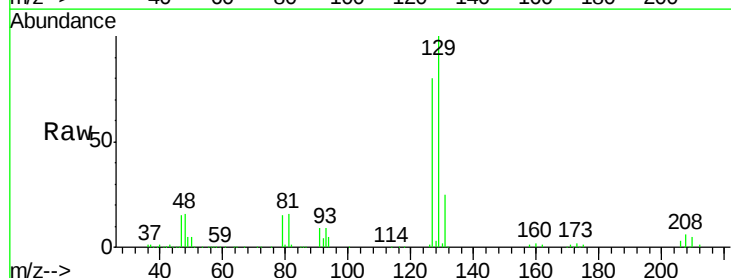
Manual Integrations
APPROVED

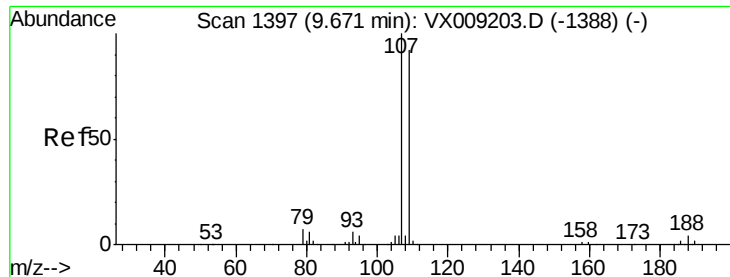
MMDadoda
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#60
Dibromochloromethane
Concen: 56.006 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Tgt Ion: 129 Resp: 98759
Ion Ratio Lower Upper
129 100
127 78.2 38.4 115.1





#61

1,2-Dibromoethane

Concen: 55.187 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 100578

Ion Ratio Lower Upper

107 100

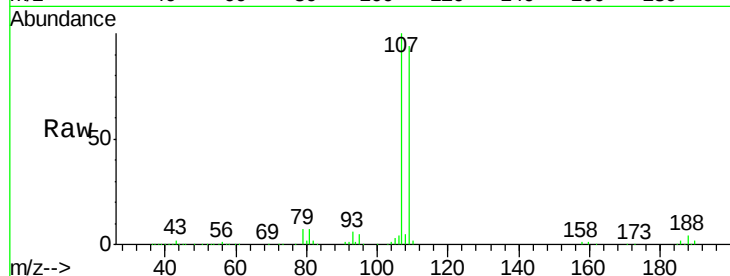
109 95.1 75.2 112.8

Manual Integrations

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5/10/2019 1:13:06 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

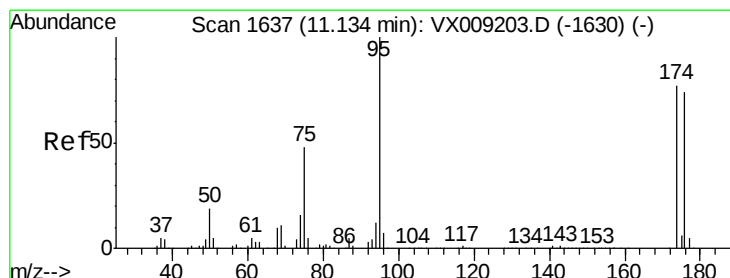
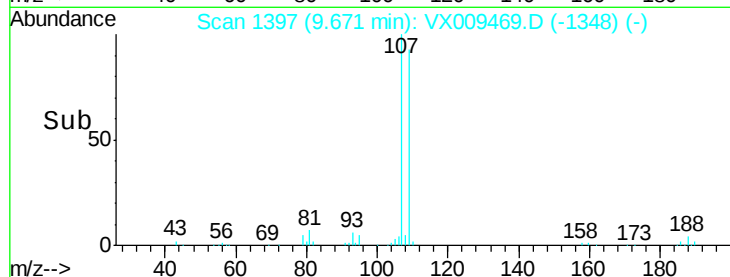
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.217 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

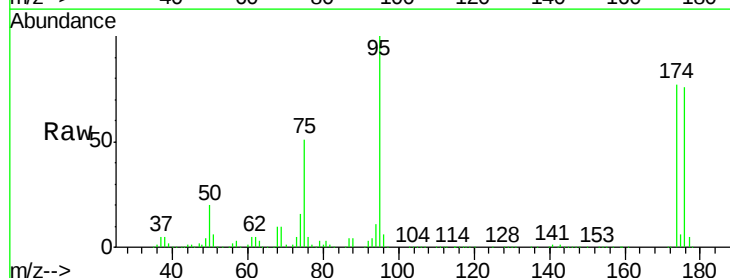
Tgt Ion: 95 Resp: 119561

Ion Ratio Lower Upper

95 100

174 82.9 0.0 161.6

176 79.9 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

11.13

120000

100000

80000

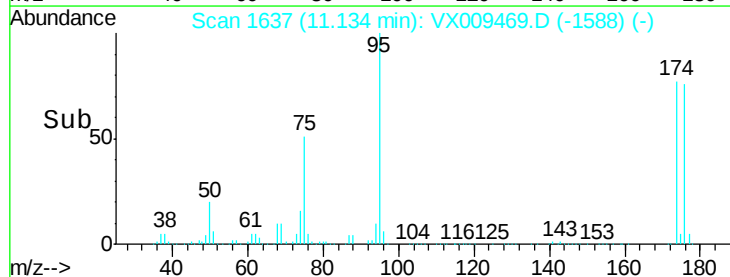
60000

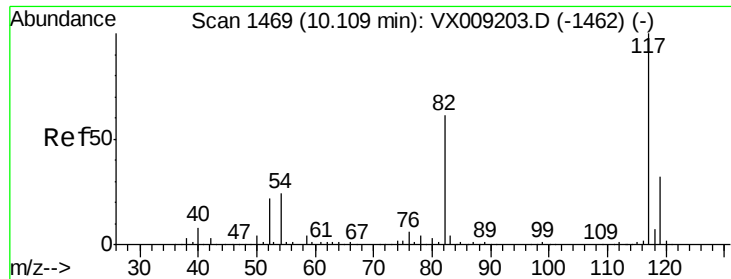
40000

20000

0

Time-->





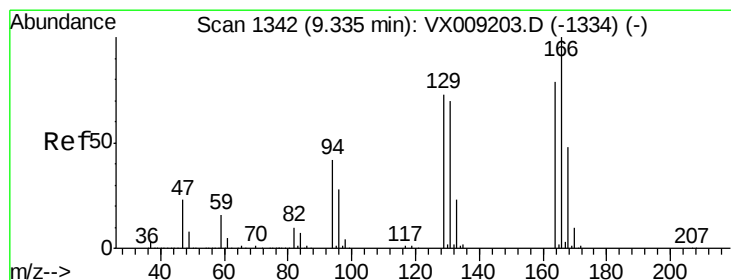
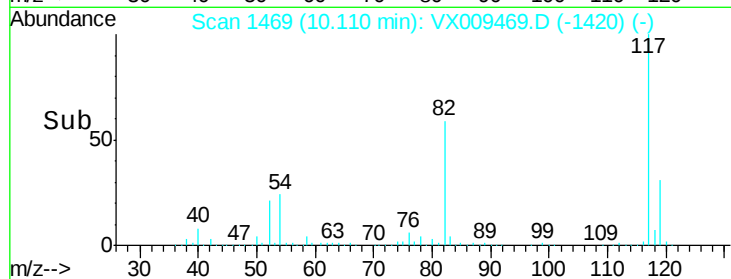
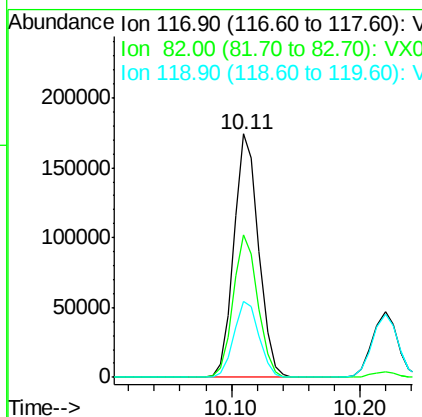
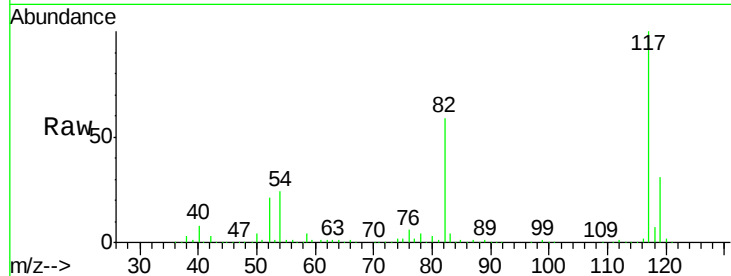
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	48.8	73.2
119	31.3	25.8	38.6

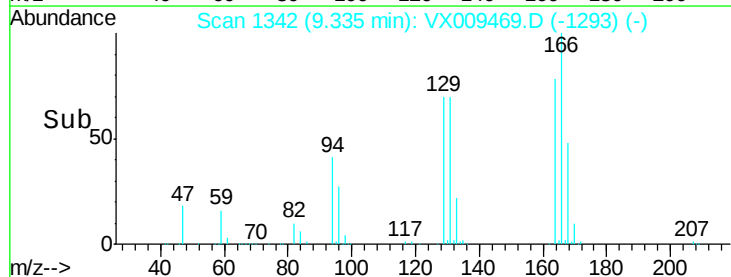
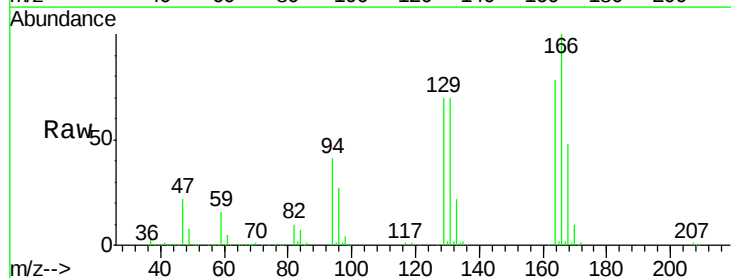
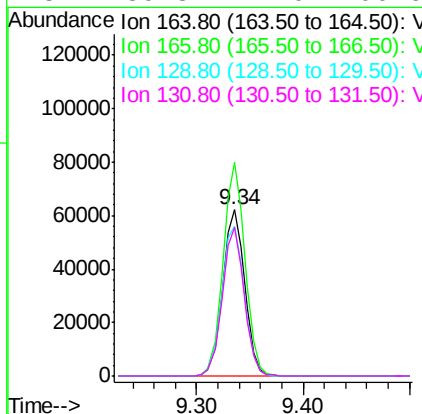
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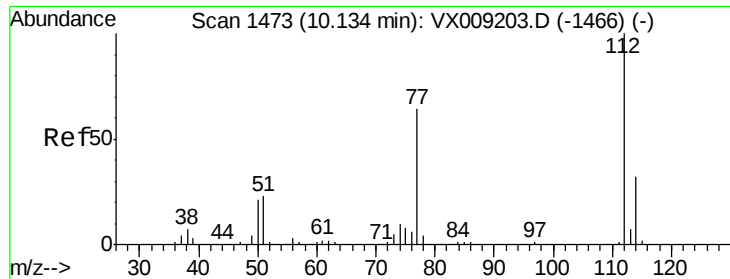
MMDadoda
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#64
Tetrachloroethene
Concen: 56.251 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	101.2	151.8
129	89.9	74.3	111.5
131	89.3	71.0	106.6





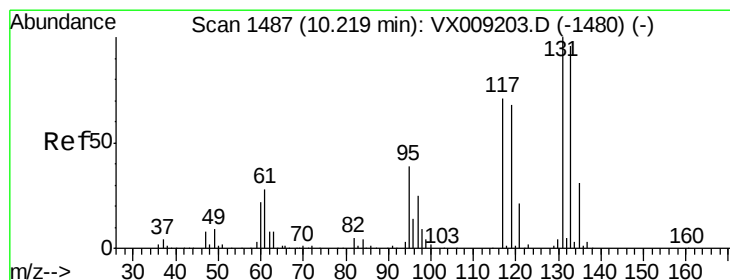
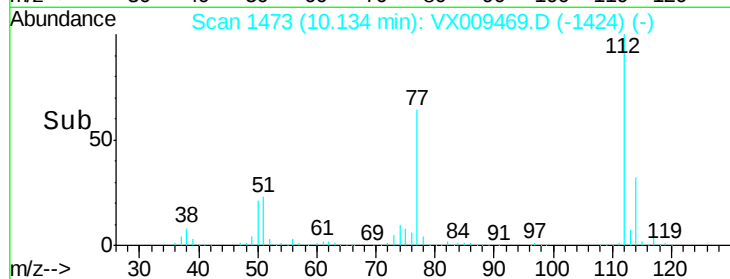
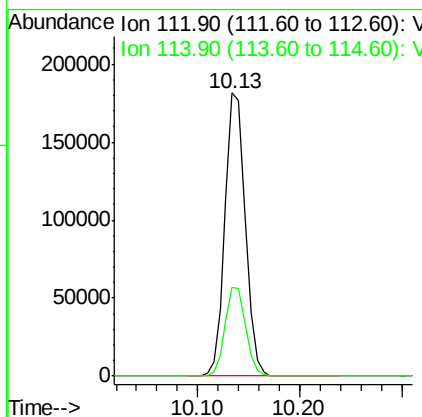
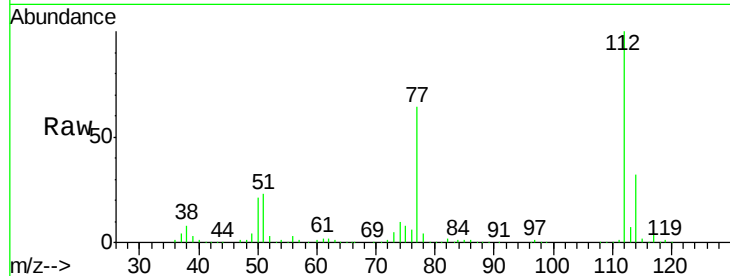
#65
Chlorobenzene
Concen: 54.111 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 251925
Ion Ratio Lower Upper
112 100
114 31.5 25.5 38.3

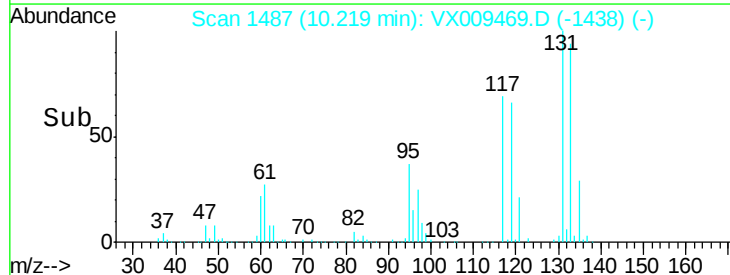
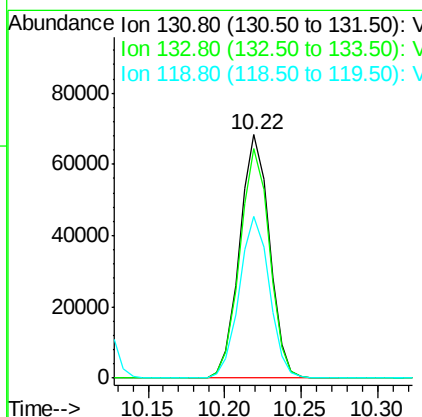
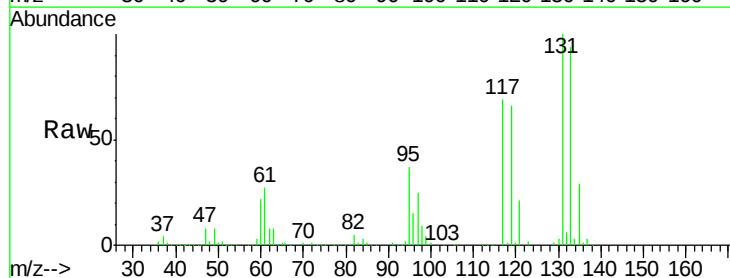
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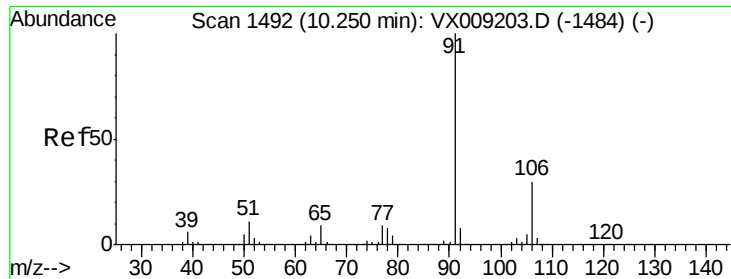
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.813 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Tgt Ion:131 Resp: 92518
Ion Ratio Lower Upper
131 100
133 94.1 47.7 143.1
119 66.9 33.5 100.4





#67

Ethyl Benzene

Concen: 54.657 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 468316

Ion Ratio Lower Upper

91 100

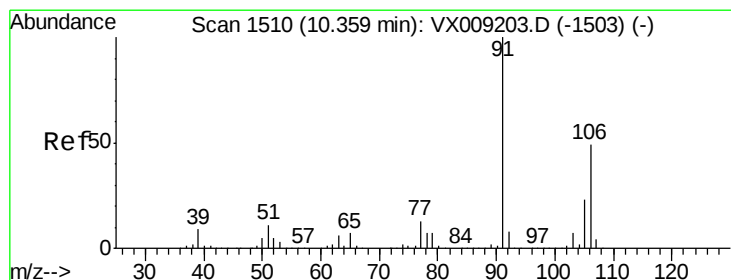
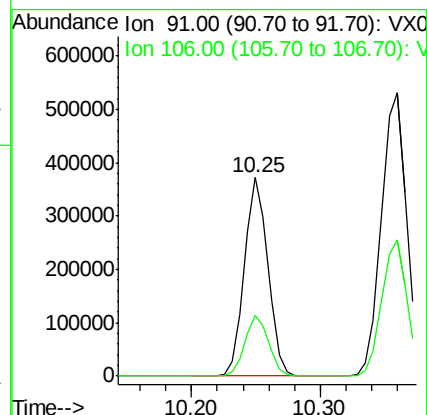
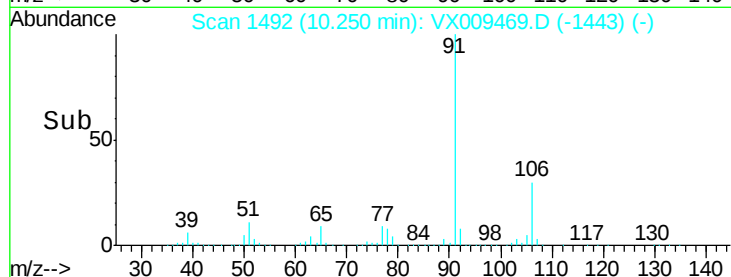
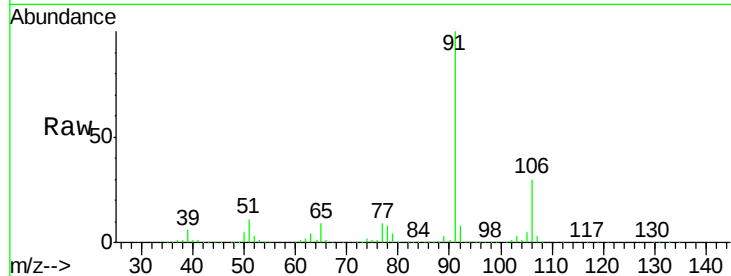
106 30.4 24.0 36.0

Manual Integrations

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5/10/2019 1:13:06 PM



#68

m/p-Xylenes

Concen: 110.003 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009469.D

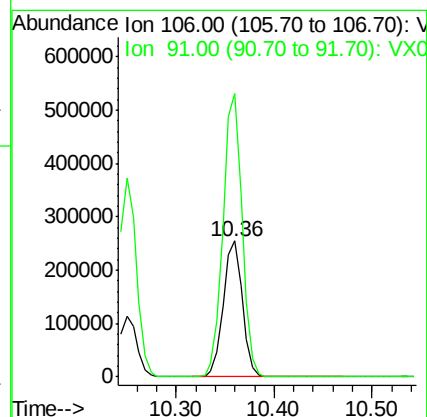
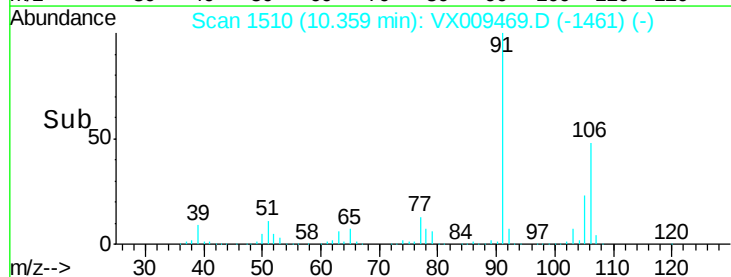
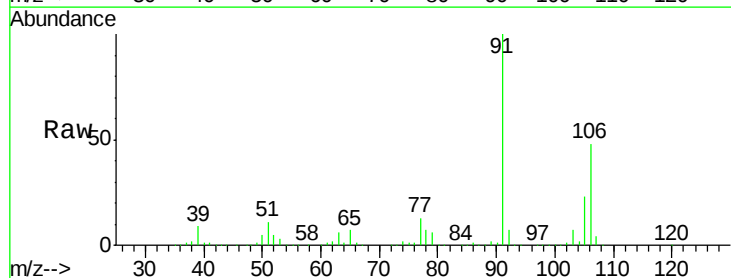
Acq: 10 May 2019 08:05

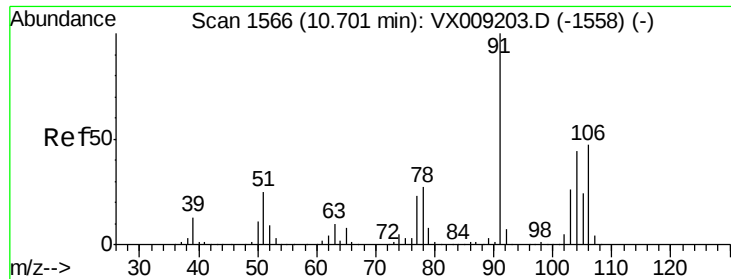
Tgt Ion: 106 Resp: 344429

Ion Ratio Lower Upper

106 100

91 208.1 164.0 246.0





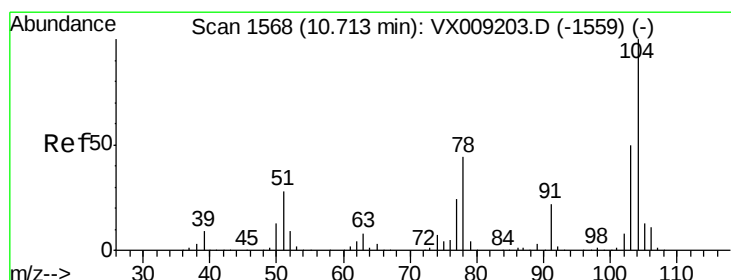
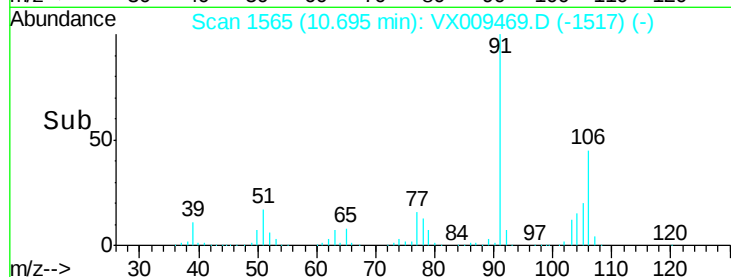
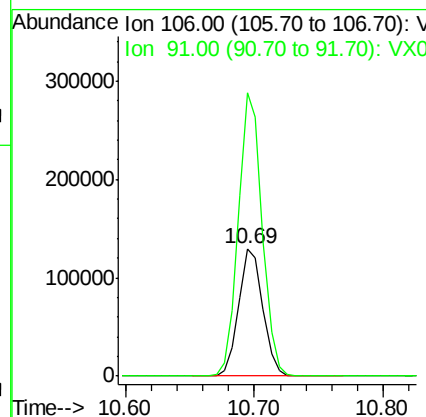
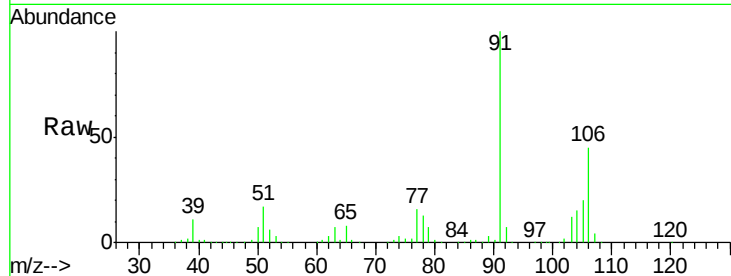
#69
o-Xylene
Concen: 54.783 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	219.2	109.5	328.4	

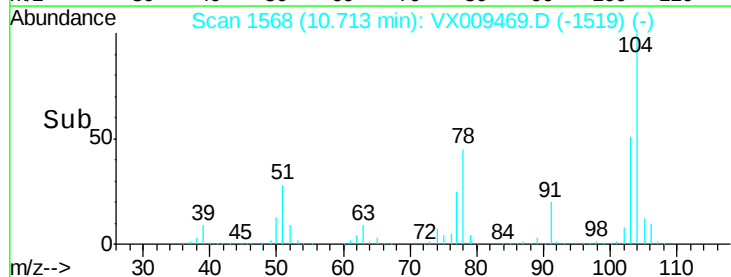
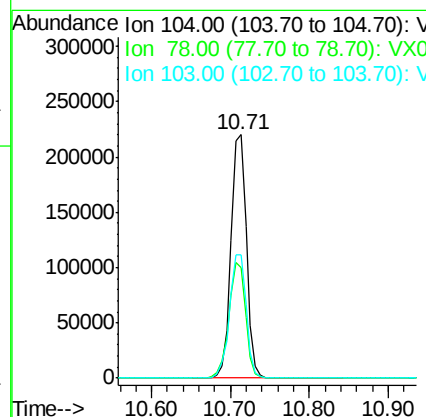
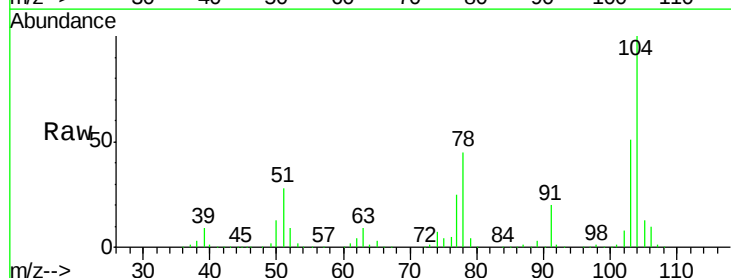
Manual Integrations
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5/10/2019 1:13:06 PM



#70
Styrene
Concen: 55.631 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	51.4	41.0	61.4	
103	55.1	43.8	65.6	





#71

Bromoform

Concen: 55.505 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 76133

Ion Ratio Lower Upper

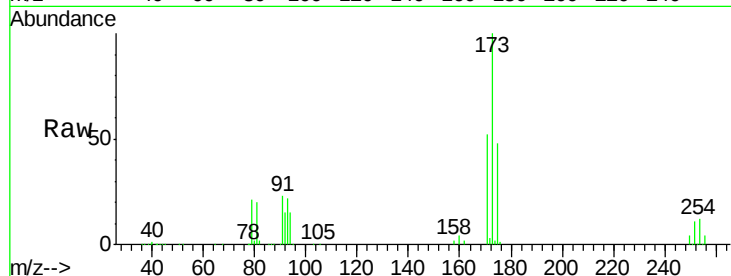
173 100

175 49.1 24.5 73.5

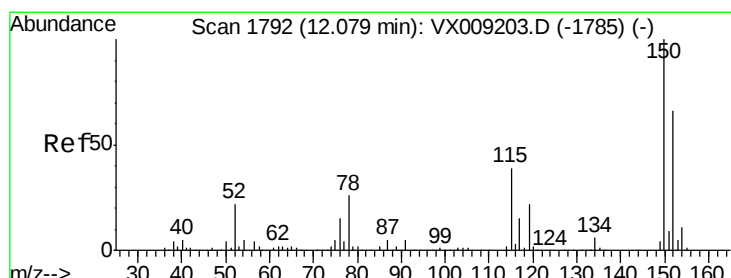
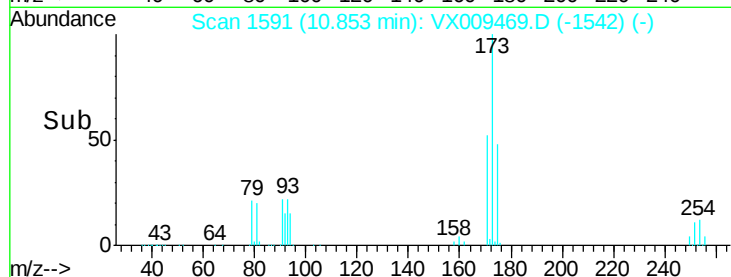
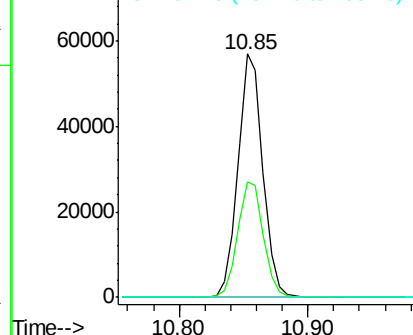
254 0.1 0.1 0.1#

Manual Integrations
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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: VX009469.D

Acq: 10 May 2019 08:05

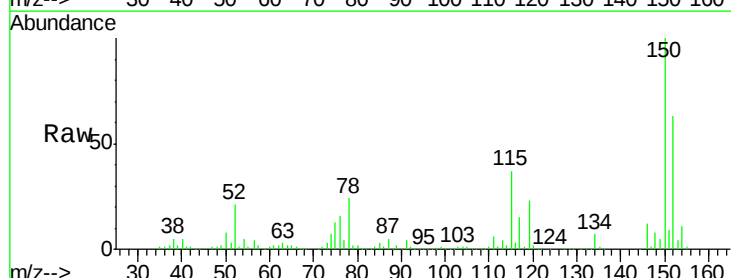
Tgt Ion:152 Resp: 115290

Ion Ratio Lower Upper

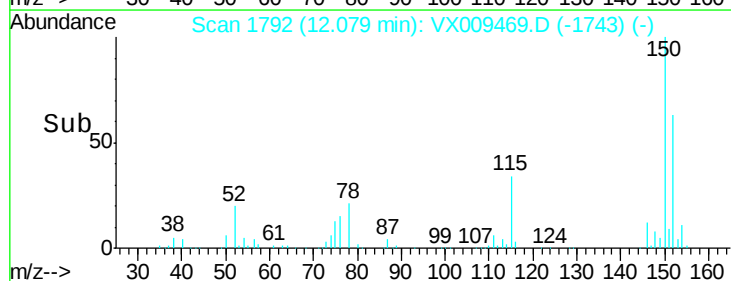
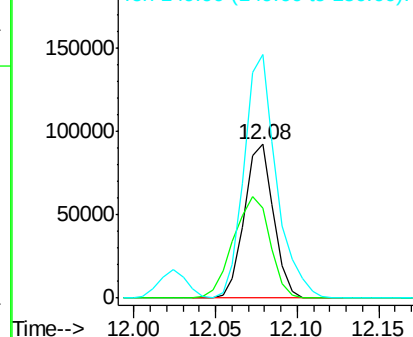
152 100

115 83.2 41.2 123.6

150 174.9 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: 53.001 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 444351

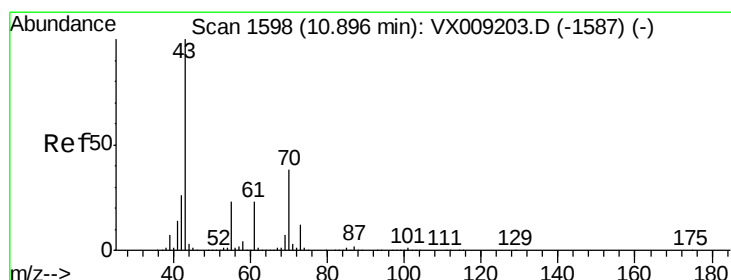
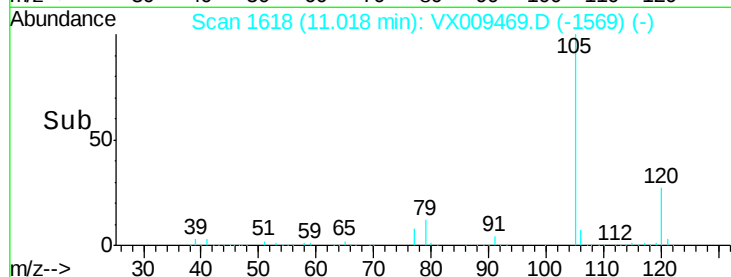
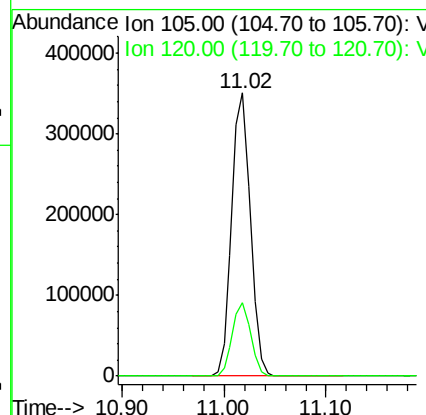
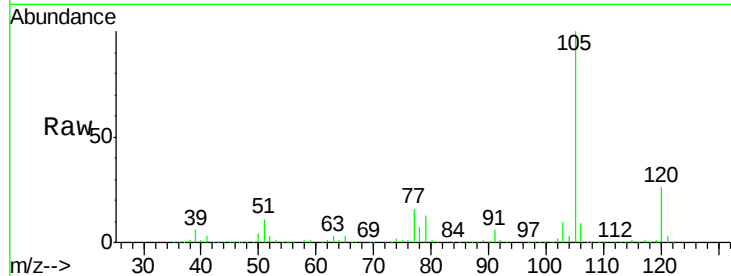
Ion Ratio Lower Upper

105 100

120 25.8 12.8 38.3

Manual Integrations
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5/10/2019 1:13:06 PM



#74

N-ethyl acetate

Concen: 54.787 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

Tgt Ion: 43 Resp: 267788

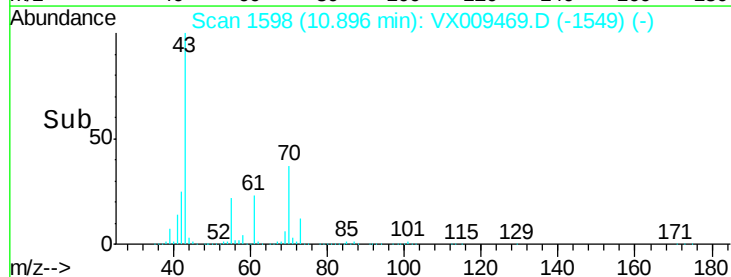
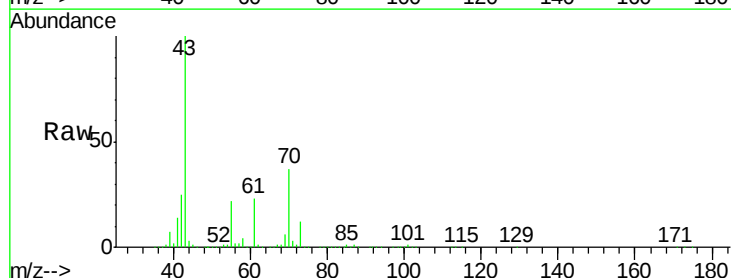
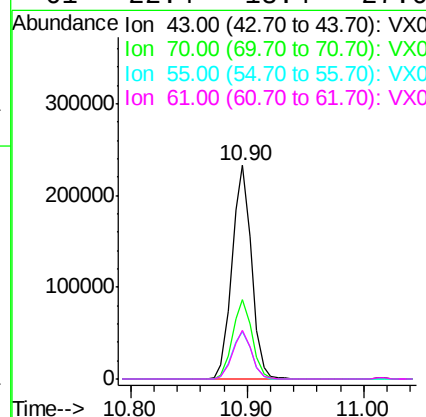
Ion Ratio Lower Upper

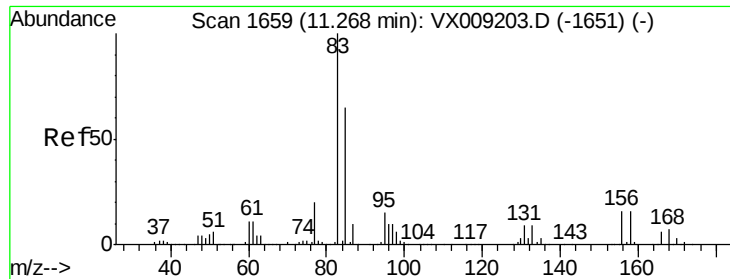
43 100

70 37.2 30.0 45.0

55 22.5 17.9 26.9

61 22.4 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 52.979 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 165578

Ion Ratio Lower Upper

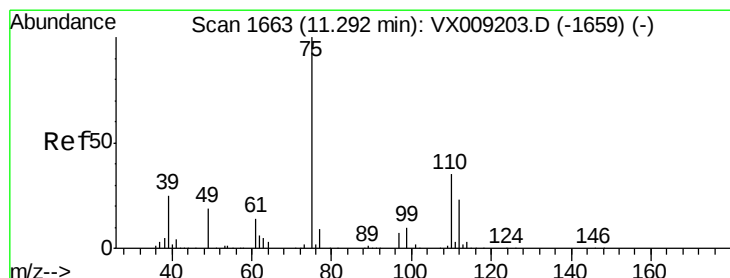
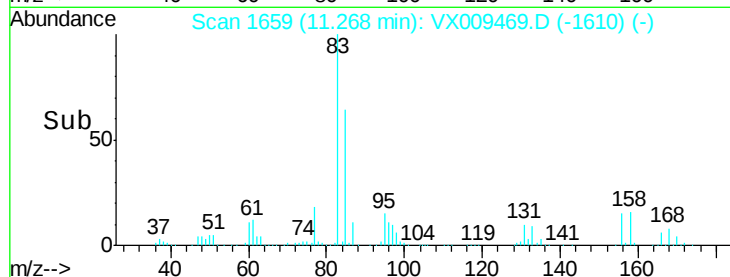
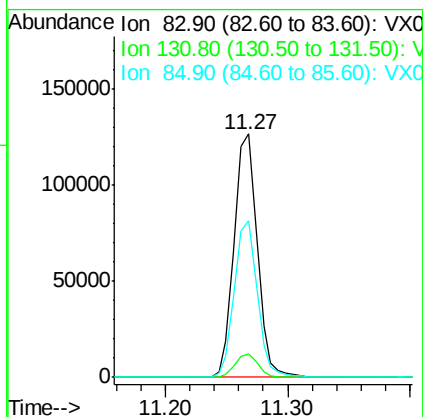
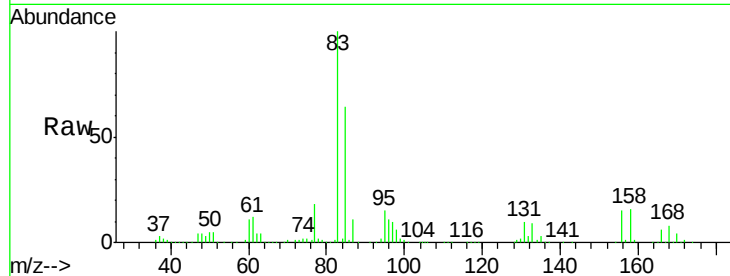
83 100

131 9.5 4.6 13.8

85 64.1 32.0 96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.479 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009469.D

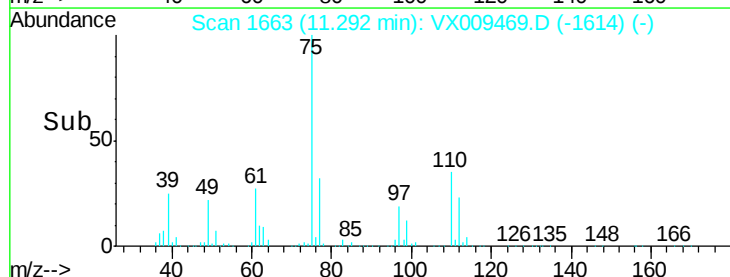
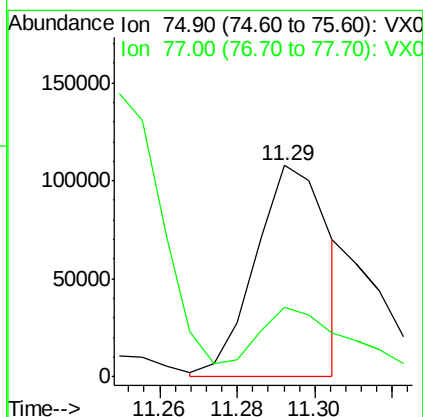
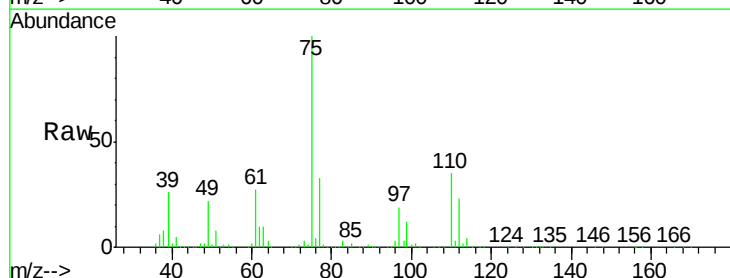
Acq: 10 May 2019 08:05

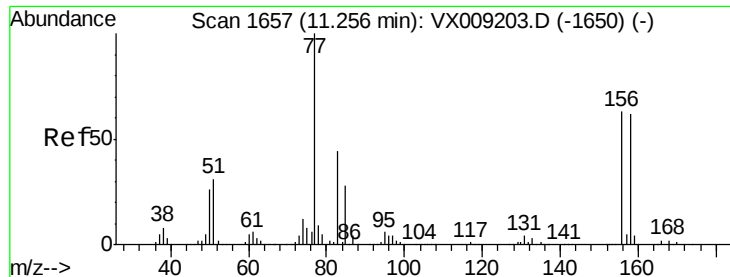
Tgt Ion: 75 Resp: 140345

Ion Ratio Lower Upper

75 100

77 42.8 22.1 66.1





#77

Bromobenzene

Concen: 53.845 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

Instrument :

MSVOA_X

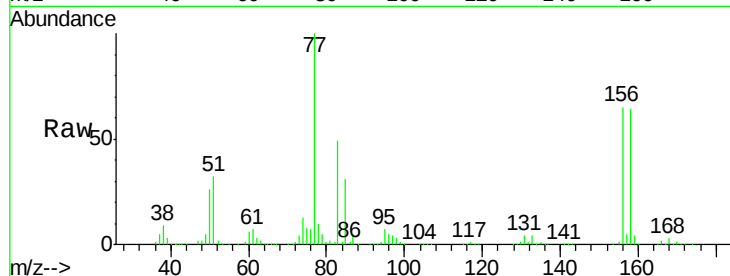
ClientSampleId :

VSTDCCC050EC

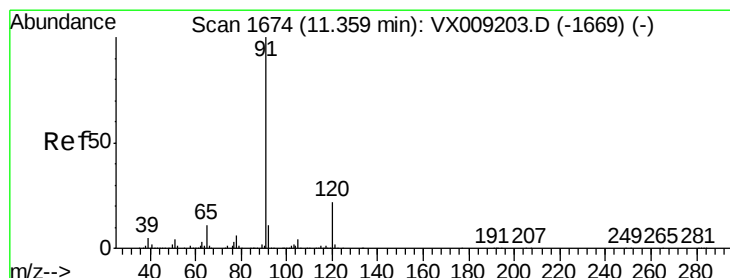
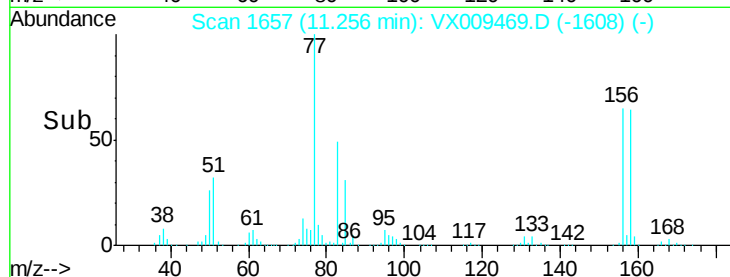
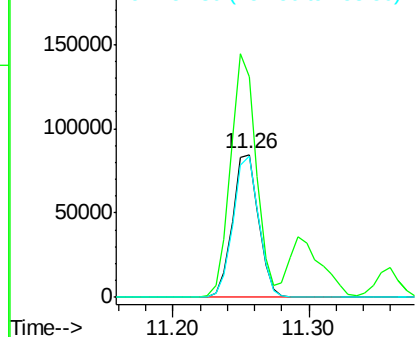
Tot Ion:	156	Resp:	112046
Ion Ratio	Lower	Upper	
156	100		
77	167.7	84.8	254.3
158	97.4	49.1	147.3

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.293 ug/l

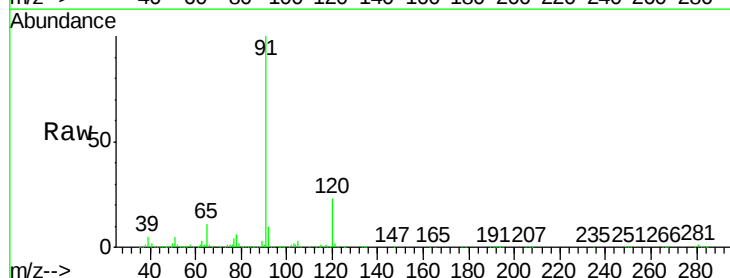
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

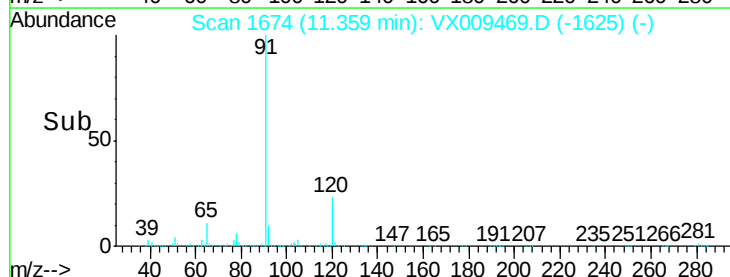
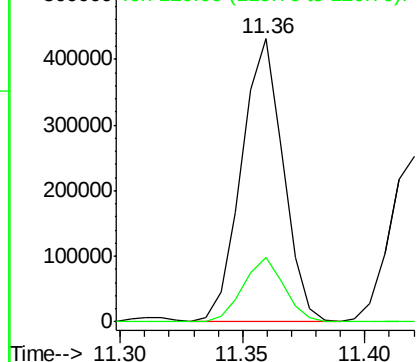
Lab File: VX009469.D

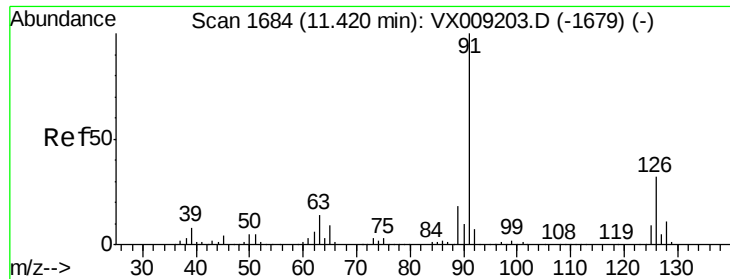
Acq: 10 May 2019 08:05

Tgt Ion:	91	Resp:	510260
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.0	33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.205 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 308377

Ion Ratio Lower Upper

91 100

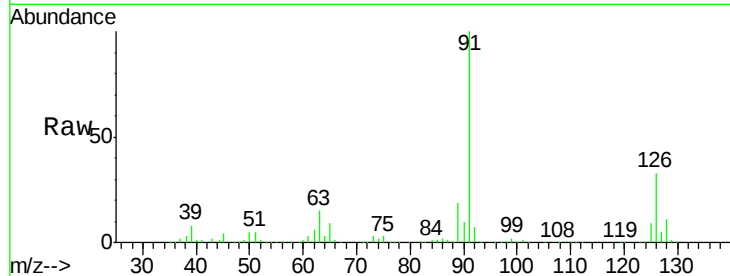
126 32.8 16.3 48.9

Manual Integrations

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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

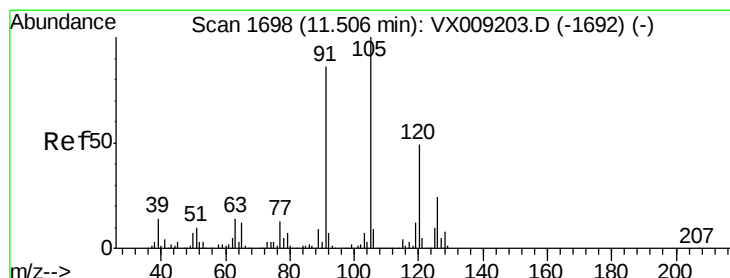
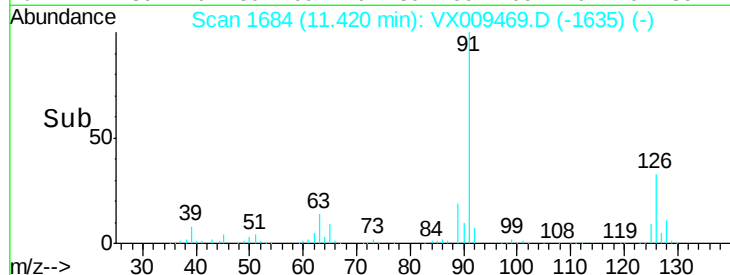
200000

100000

0

11.40 11.42 11.44 11.46

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.469 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009469.D

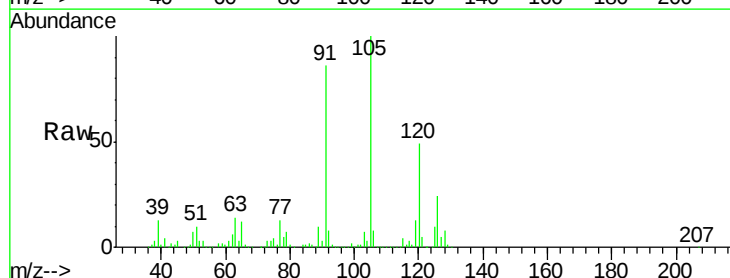
Acq: 10 May 2019 08:05

Tgt Ion:105 Resp: 377443

Ion Ratio Lower Upper

105 100

120 48.5 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) (-)

300000

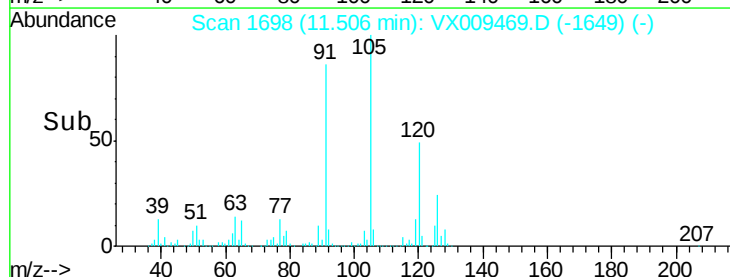
200000

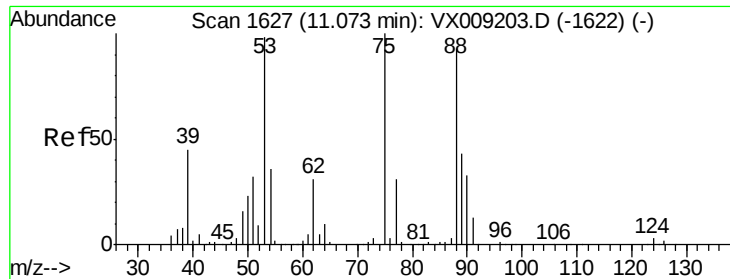
100000

0

11.45 11.50 11.55

Time-->





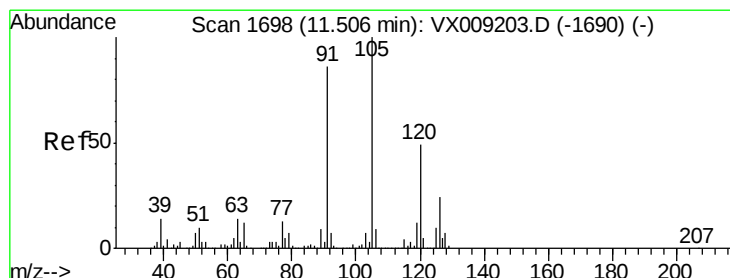
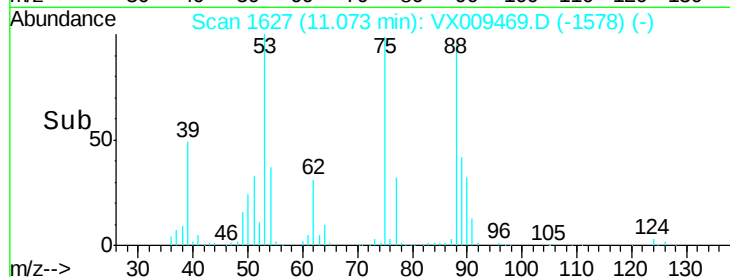
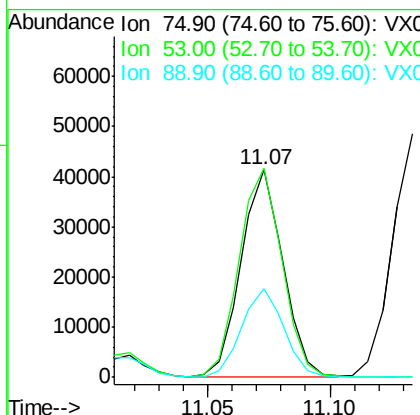
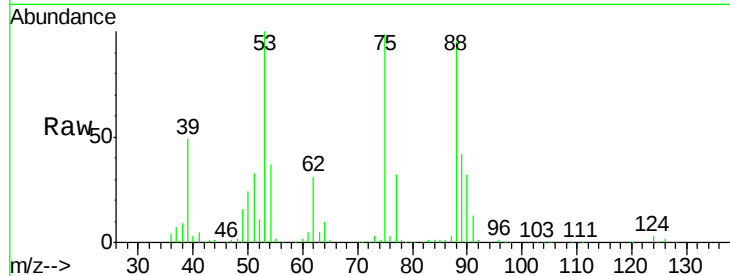
#81
trans-1,4-Dichloro-2-butene
Concen: 46.779 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.0	79.0	118.6
89	43.4	34.7	52.1

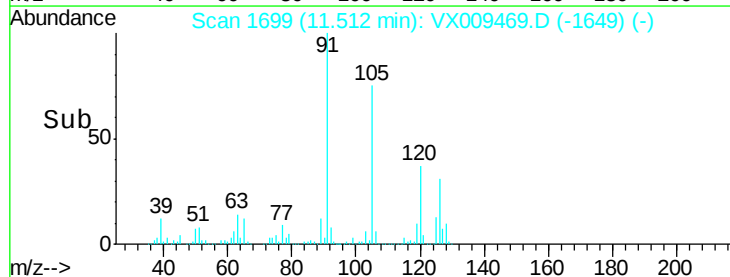
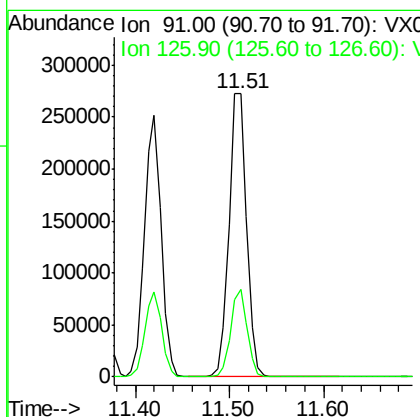
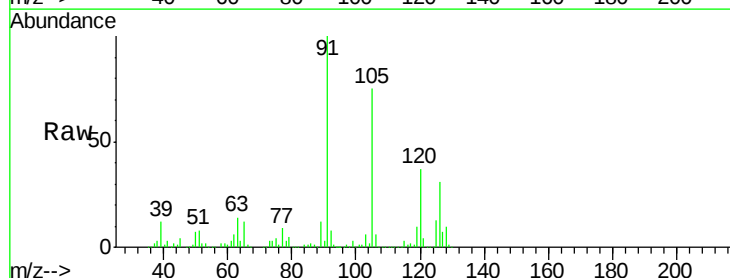
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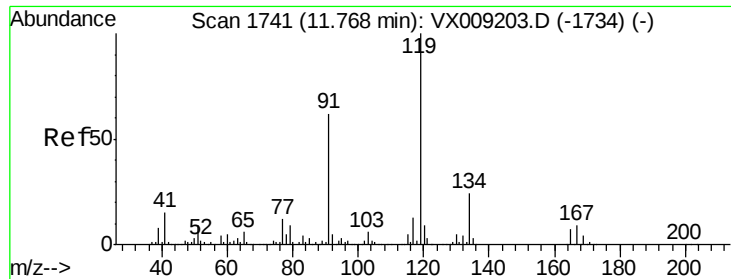
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#82
4-Chlorotoluene
Concen: 53.041 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.8	14.5	43.6





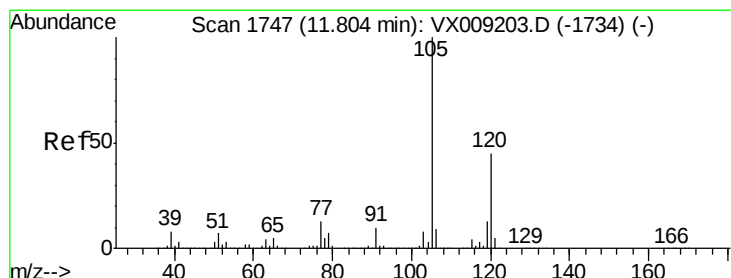
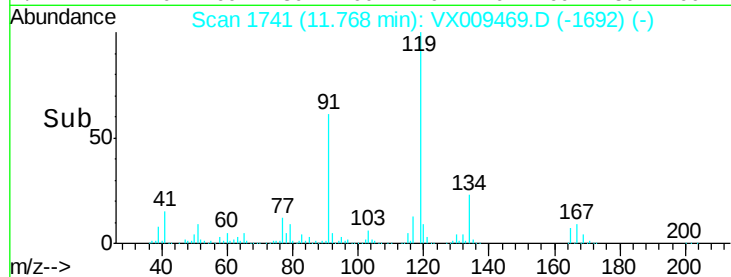
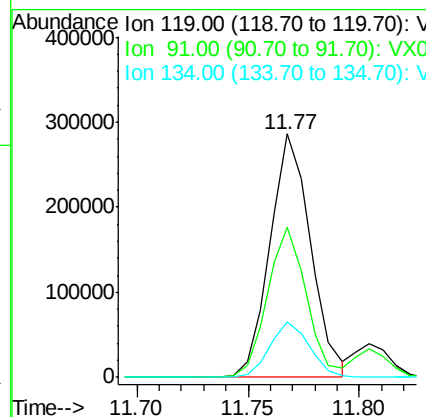
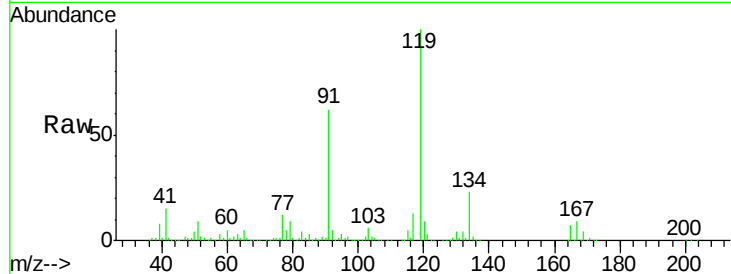
#83
tert-Butylbenzene
Concen: 52.940 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	363545		
91	59.2	29.5	88.5	
134	22.3	11.4	34.1	

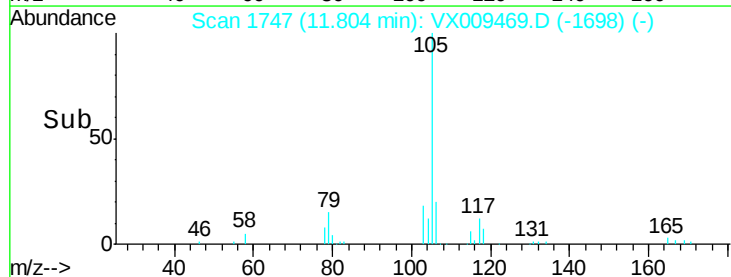
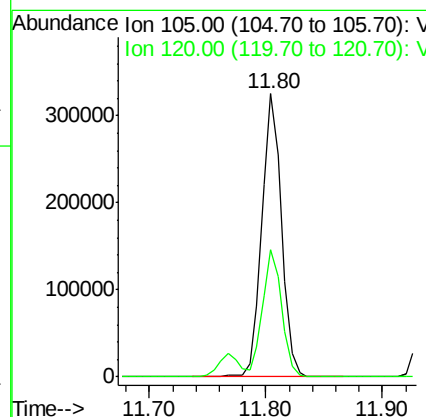
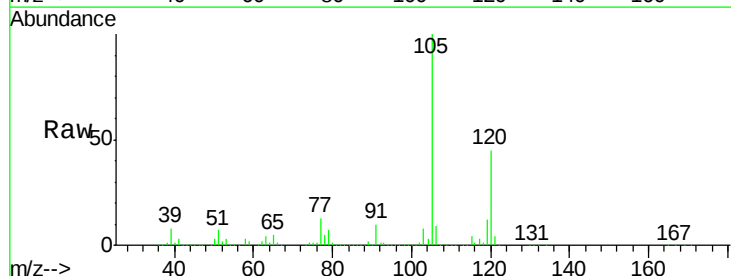
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#84
1,2,4-Trimethylbenzene
Concen: 54.173 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	383845		
120	43.5	22.0	66.0	





#85

sec-Butylbenzene

Concen: 52.138 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 424479

Ion Ratio Lower Upper

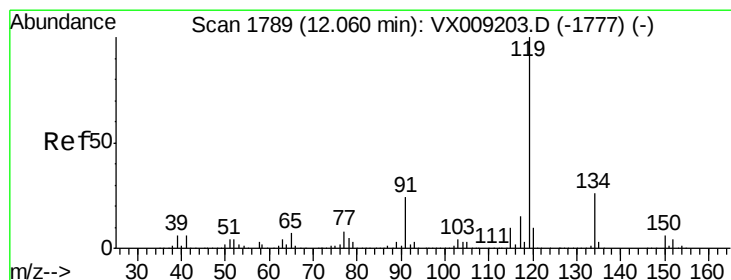
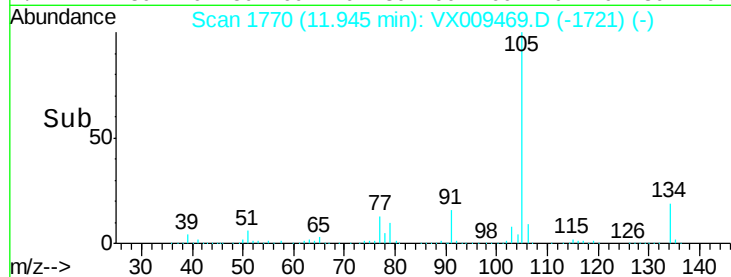
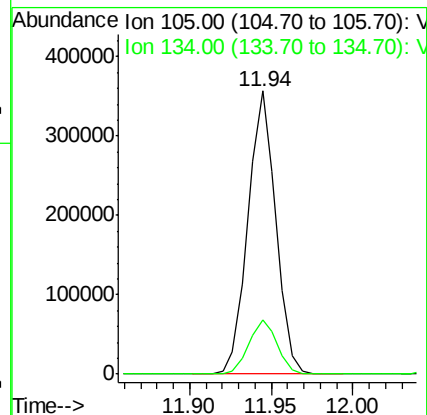
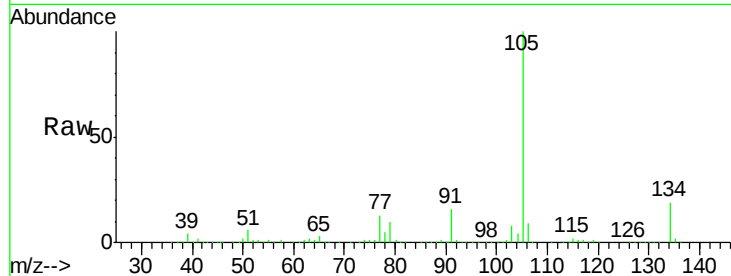
105 100

134 19.4 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 53.189 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009469.D

Acq: 10 May 2019 08:05

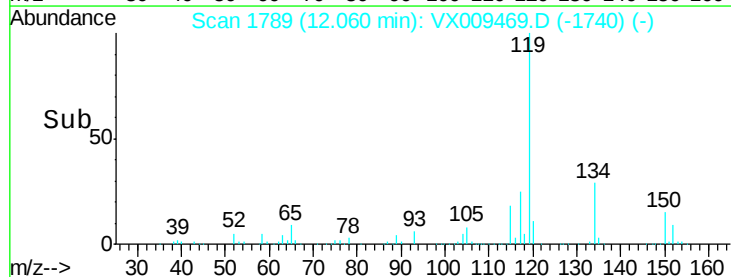
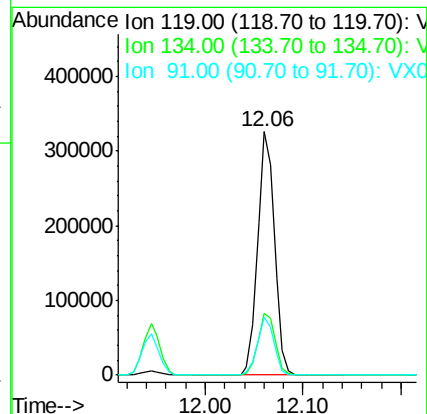
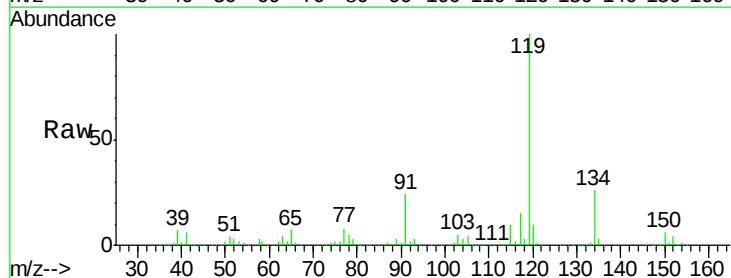
Tgt Ion:119 Resp: 389300

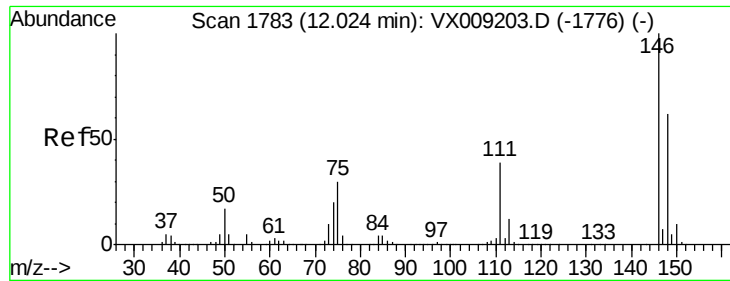
Ion Ratio Lower Upper

119 100

134 26.1 12.9 38.7

91 23.6 11.8 35.4





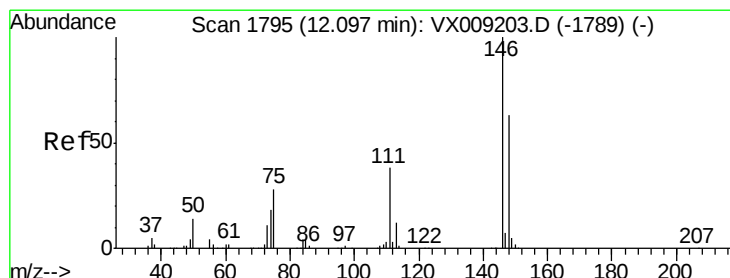
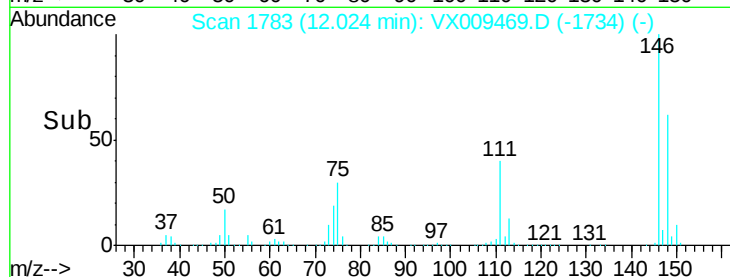
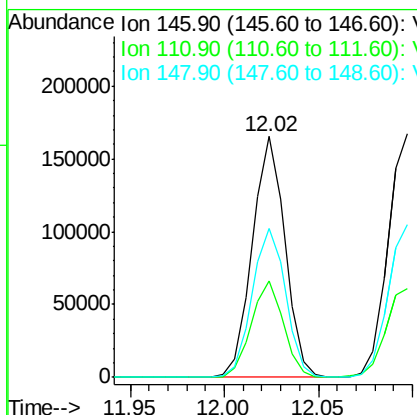
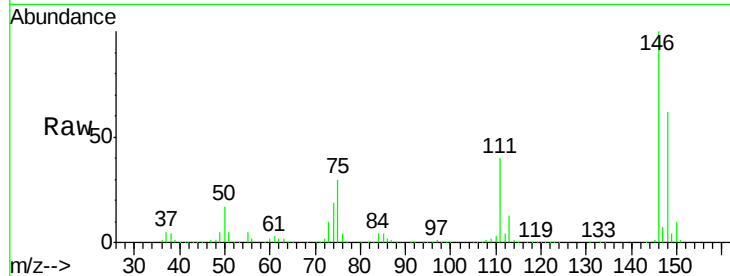
#87
 1,3-Dichlorobenzene
 Concen: 53.705 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009469.D
 Acq: 10 May 2019 08:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.0	59.9
148	63.4	31.8	95.3

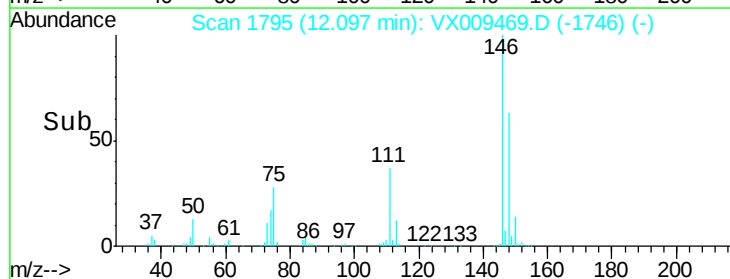
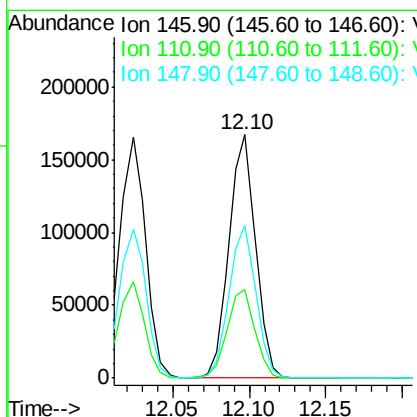
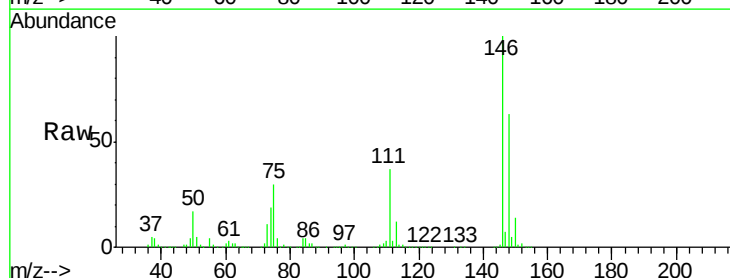
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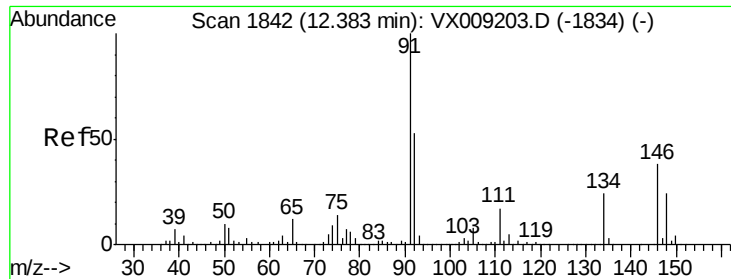
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#88
 1,4-Dichlorobenzene
 Concen: 53.768 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009469.D
 Acq: 10 May 2019 08:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.6	58.8
148	63.7	31.8	95.3





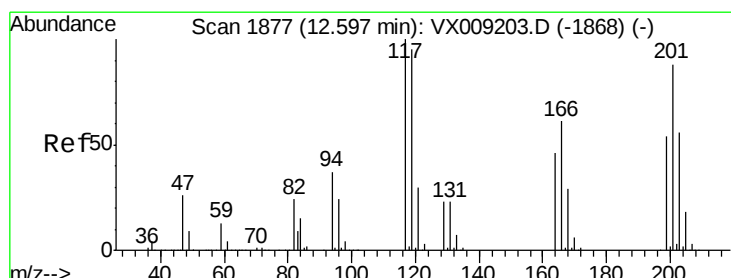
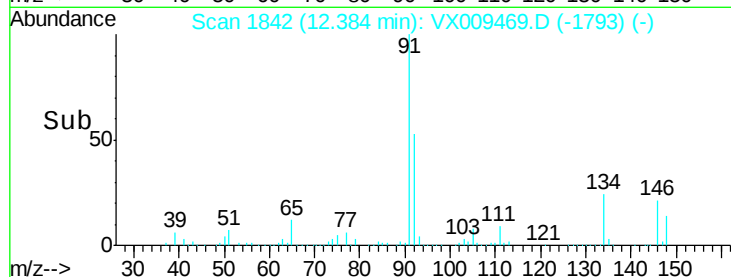
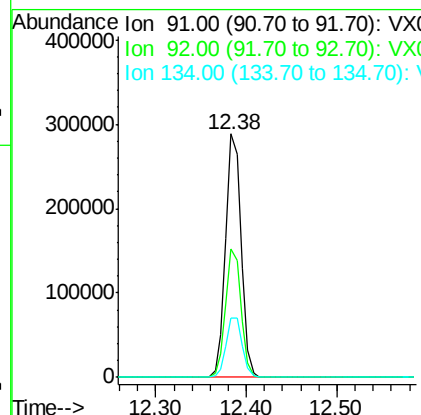
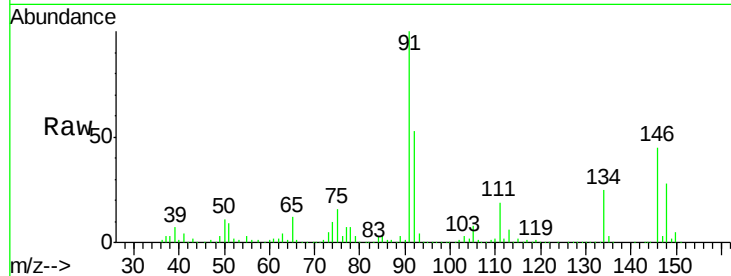
#89
n-Butylbenzene
Concen: 52.376 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.5	79.5
134	25.2	12.4	37.2

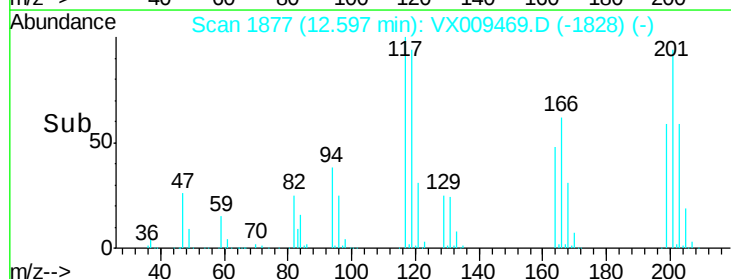
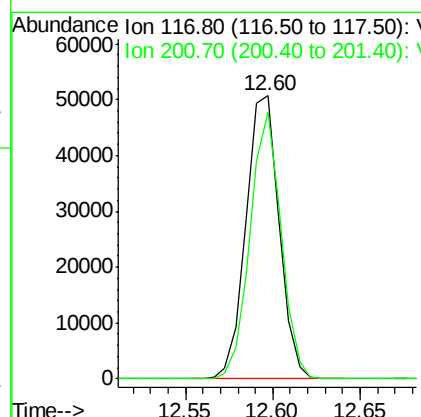
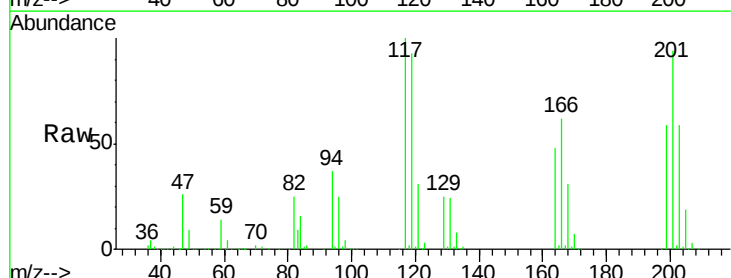
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#90
Hexachloroethane
Concen: 53.600 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.1	42.3	126.9





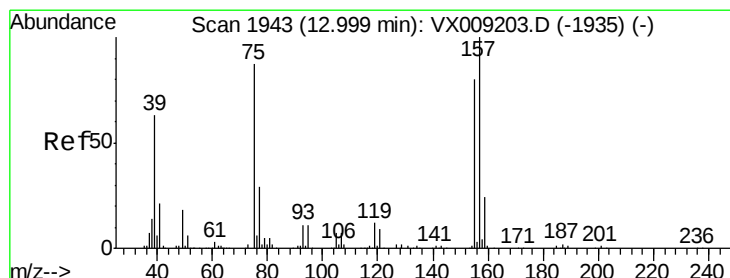
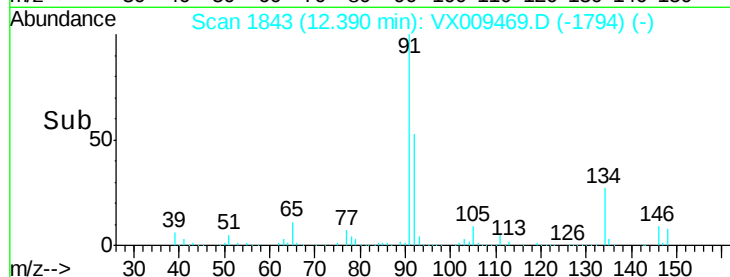
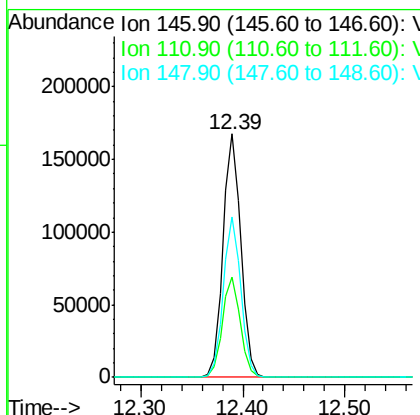
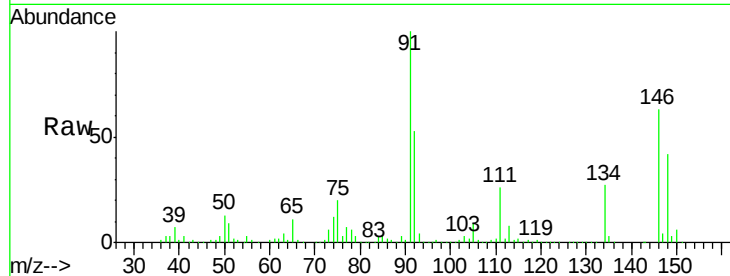
#91
 1,2-Dichlorobenzene
 Concen: 54.089 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009469.D
 Acq: 10 May 2019 08:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.8	62.4
148	64.8	31.9	95.9

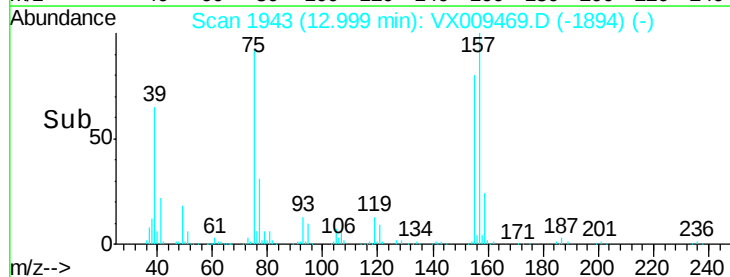
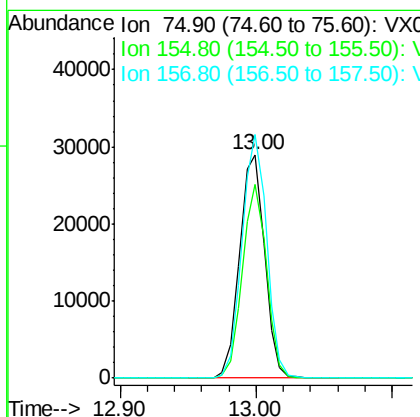
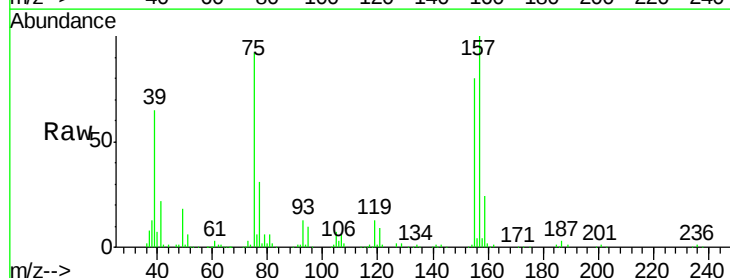
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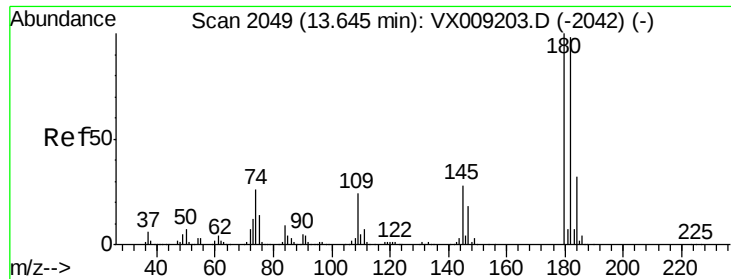
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.981 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009469.D
 Acq: 10 May 2019 08:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.6	42.0	126.0
157	107.4	53.2	159.6





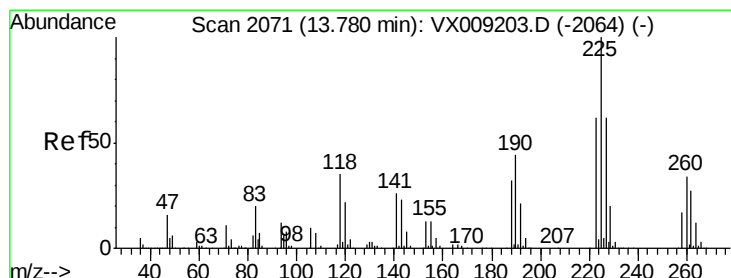
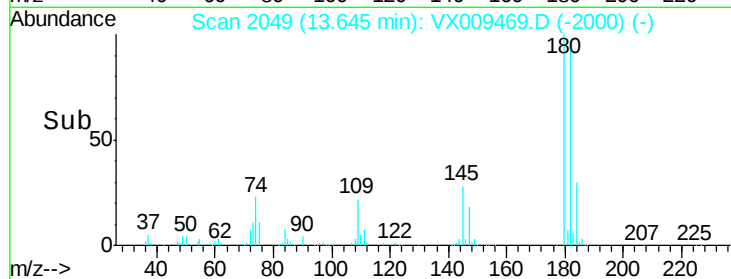
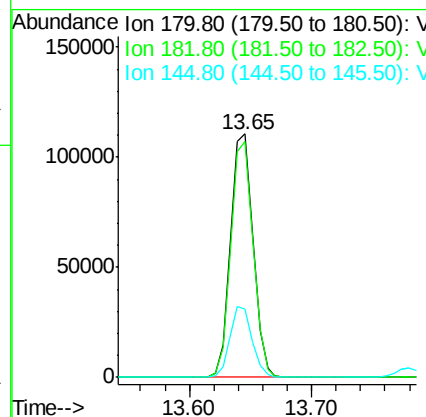
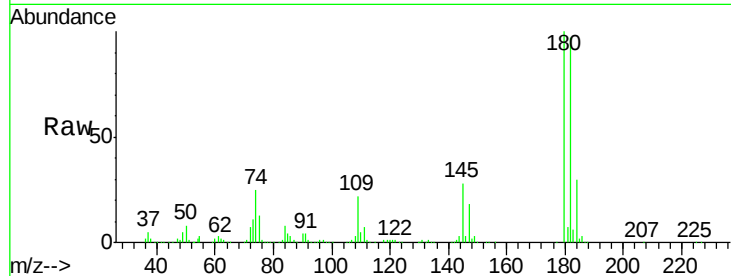
#93
 1,2,4-Trichlorobenzene
 Concen: 54.265 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009469.D
 Acq: 10 May 2019 08:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	140208		
182	95.9	48.4	145.2	
145	28.7	14.6	43.8	

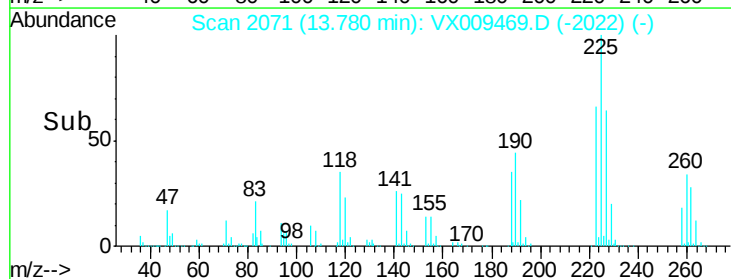
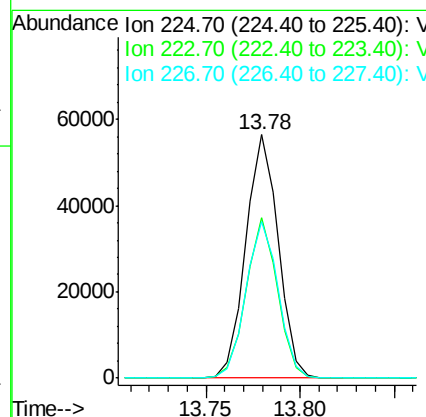
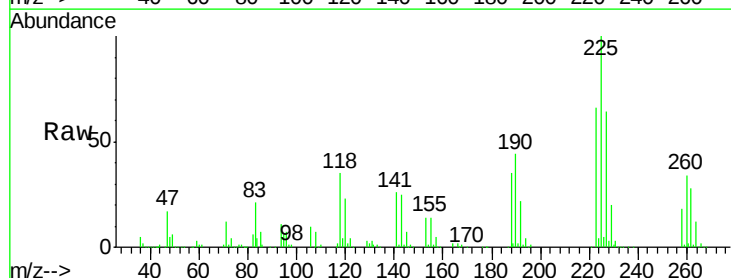
Manual Integrations
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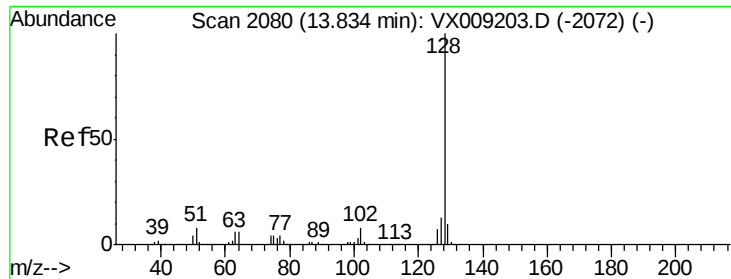
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#94
 Hexachlorobutadiene
 Concen: 50.896 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009469.D
 Acq: 10 May 2019 08:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	67153		
223	63.6	31.3	93.8	
227	64.1	31.8	95.3	





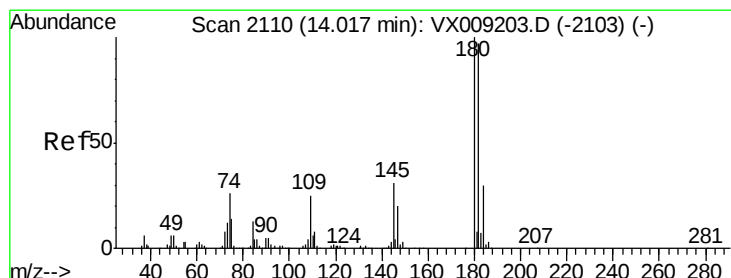
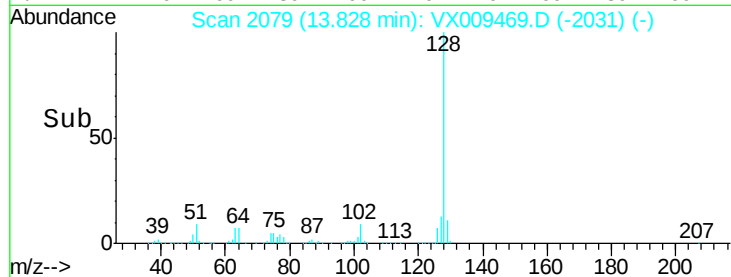
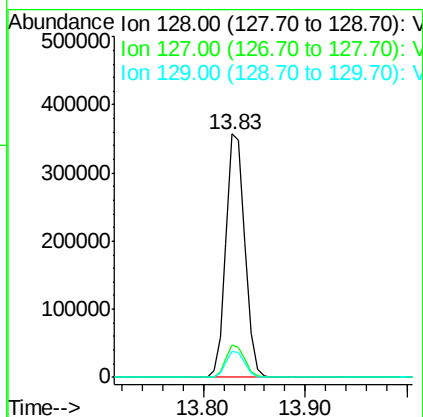
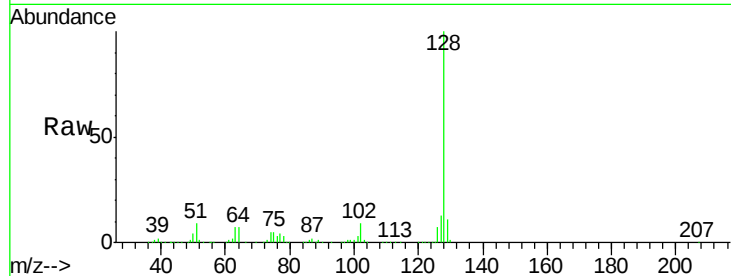
#95
Naphthalene
Concen: 54.454 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	457747		
127	13.1		10.4	15.6
129	10.9		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/10/2019 1:13:06 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.074 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009469.D
Acq: 10 May 2019 08:05

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	141624		
182	96.1		47.8	143.4
145	30.7		15.4	46.4

