

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052819\
 Data File : VX009907.D
 Acq On : 28 May 2019 11:30
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 9:24:54 AM

Quant Time: May 29 03:57:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 03:39:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	169355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	270649	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	250690	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	123032	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	230847	100.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.46%	
35) Dibromofluoromethane	5.50	113	167340	99.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.46%	
50) Toluene-d8	8.71	98	694044	101.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.42%	
62) 4-Bromofluorobenzene	11.13	95	255706	102.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	229442	135.944	ug/l	99
3) Chloromethane	1.32	50	268102	119.854	ug/l	99
4) Vinyl Chloride	1.41	62	256903	119.034	ug/l	99
5) Bromomethane	1.64	94	154903	119.767	ug/l	98
6) Chloroethane	1.71	64	148151	108.647	ug/l	98
7) Trichlorofluoromethane	1.92	101	280607	108.692	ug/l	100
8) Diethyl Ether	2.19	74	123715	102.381	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	163404	101.966	ug/l	99
10) Methyl Iodide	2.51	142	210020	123.623	ug/l	99
11) Tert butyl alcohol	3.06	59	281517	519.511	ug/l	100
12) 1,1-Dichloroethene	2.37	96	171153	106.666	ug/l	98
13) Acrolein	2.29	56	205548	435.377	ug/l	100
14) Allyl chloride	2.72	41	419720	106.657	ug/l	99
15) Acrylonitrile	3.15	53	683713	516.915	ug/l	100
16) Acetone	2.45	43	669472	529.799	ug/l	98
17) Carbon Disulfide	2.56	76	525751	115.161	ug/l	99
18) Methyl Acetate	2.78	43	300909	101.112	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	636480	102.570	ug/l	100
20) Methylene Chloride	2.85	84	199981	98.851	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	180811	104.159	ug/l	99
22) Diisopropyl ether	3.85	45	781241	103.761	ug/l	95
23) Vinyl Acetate	3.82	43	3586001	553.757	ug/l	99
24) 1,1-Dichloroethane	3.70	63	374512	101.081	ug/l	100
25) 2-Butanone	4.68	43	1073347	547.773	ug/l	100
26) 2,2-Dichloropropane	4.58	77	290622	105.276	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	209028	101.201	ug/l	99
28) Bromochloromethane	5.02	49	184261	109.756	ug/l	100
29) Tetrahydrofuran	5.13	42	685760	545.080	ug/l	100
30) Chloroform	5.21	83	336072	100.512	ug/l	99
31) Cyclohexane	5.58	56	376205	107.814	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	287824	103.162	ug/l	99
36) 1,1-Dichloropropene	5.80	75	270473	106.230	ug/l	99
37) Ethyl Acetate	4.84	43	391985	109.780	ug/l	100
38) Carbon Tetrachloride	5.78	117	245042	105.987	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	341090	108.759	ug/l	99
40) Benzene	6.14	78	817678	104.029	ug/l	100
41) Methacrylonitrile	5.04	41	220410	104.302	ug/l	99
42) 1,2-Dichloroethane	6.19	62	292327	103.266	ug/l	100
43) Isopropyl Acetate	6.45	43	629788	110.649	ug/l	100
44) Trichloroethene	7.21	130	194072	102.277	ug/l	100
45) 1,2-Dichloropropane	7.51	63	232382	104.431	ug/l	98
46) Dibromomethane	7.66	93	132823	102.842	ug/l	100
47) Bromodichloromethane	7.90	83	272589	106.003	ug/l	100
48) Methyl methacrylate	7.77	41	321355	113.412	ug/l	100
49) 1,4-Dioxane	7.74	88	110883	1955.871	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2027700	543.651	ug/l	99
52) Toluene	8.79	92	499777	104.573	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	333965	114.120	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	358586	111.134	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	200306	103.263	ug/l	99
56) Ethyl methacrylate	9.18	69	378659	108.579	ug/l	100
57) 1,3-Dichloropropane	9.37	76	357110	104.157	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	965123	527.130	ug/l	100
59) 2-Hexanone	9.49	43	1557776	532.272	ug/l	99
60) Dibromochloromethane	9.59	129	209625	110.223	ug/l	99
61) 1,2-Dibromoethane	9.67	107	207724	105.913	ug/l	100
64) Tetrachloroethene	9.34	164	173843	100.317	ug/l	98
65) Chlorobenzene	10.14	112	521085	103.270	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	190460	104.250	ug/l	99
67) Ethyl Benzene	10.25	91	972145	104.651	ug/l	100
68) m/p-Xylenes	10.36	106	717907	211.276	ug/l	99
69) o-Xylene	10.69	106	346958	103.555	ug/l	100
70) Styrene	10.71	104	610406	105.088	ug/l	99
71) Bromoform	10.85	173	161826	108.828	ug/l	98
73) Isopropylbenzene	11.02	105	926422	102.909	ug/l	99
74) N-amyl acetate	10.90	43	558071	105.961	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	324648	97.201	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	283781m	98.775	ug/l	
77) Bromobenzene	11.26	156	225342	100.967	ug/l	99
78) n-propylbenzene	11.36	91	1090402	105.861	ug/l	100
79) 2-Chlorotoluene	11.42	91	634703	99.828	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	788394	103.865	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	126083	111.698	ug/l	97
82) 4-Chlorotoluene	11.51	91	743294	103.389	ug/l	99
83) tert-Butylbenzene	11.77	119	753423	102.220	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	792600	104.021	ug/l	100
85) sec-Butylbenzene	11.94	105	905825	103.629	ug/l	100
86) p-Isopropyltoluene	12.06	119	829618	105.459	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	402599	101.250	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	401437	100.090	ug/l	99
89) n-Butylbenzene	12.38	91	786184	110.092	ug/l	99
90) Hexachloroethane	12.60	117	145568	108.803	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	397763	98.532	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	78510	104.806	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	290658	104.991	ug/l	99
94) Hexachlorobutadiene	13.78	225	145779	102.862	ug/l	99
95) Naphthalene	13.83	128	924540	103.395	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	284532	101.633	ug/l	98

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

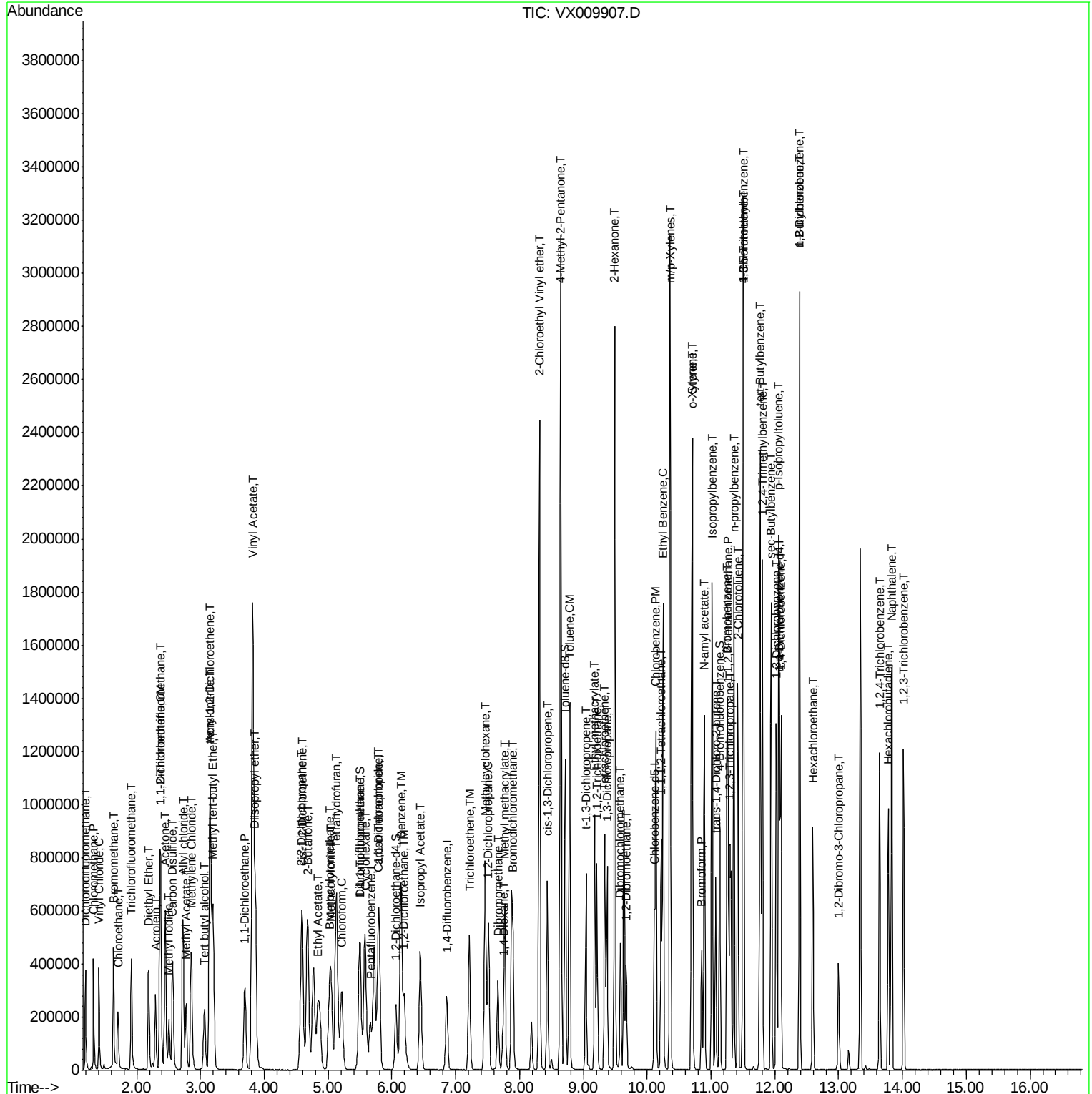
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Data File : VX009907.D
Acq On : 28 May 2019 11:30
Operator : JC/SP
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Misc : 5.0mL/MSVOA X/WATER
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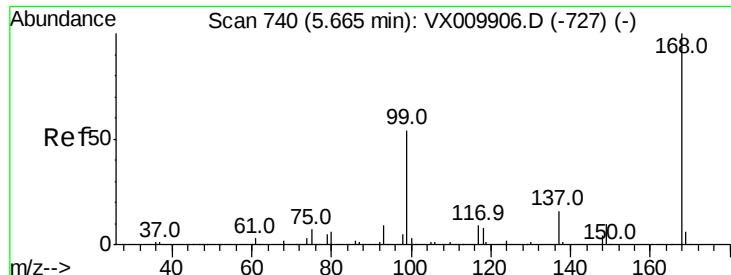
Instrument :
MSVOA_X
ClientSampleID :
VSTDICC100

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 169355

Ion Ratio Lower Upper

168 100

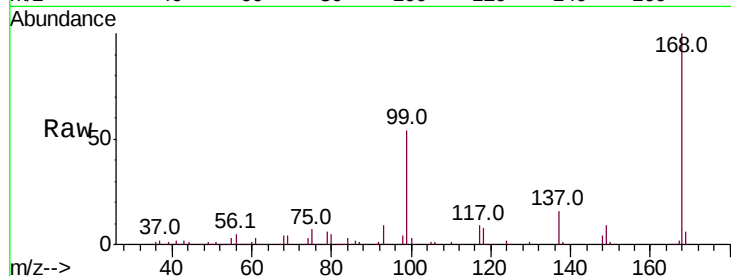
99 53.9 43.0 64.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

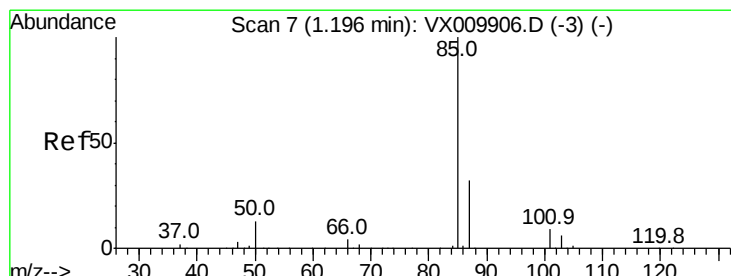
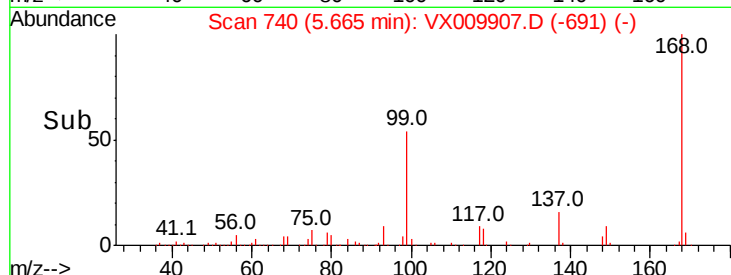
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 135.944 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009907.D

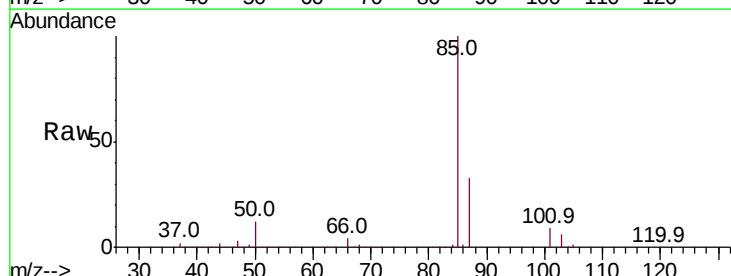
Acq: 28 May 2019 11:30

Tgt Ion: 85 Resp: 229442

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

250000

200000

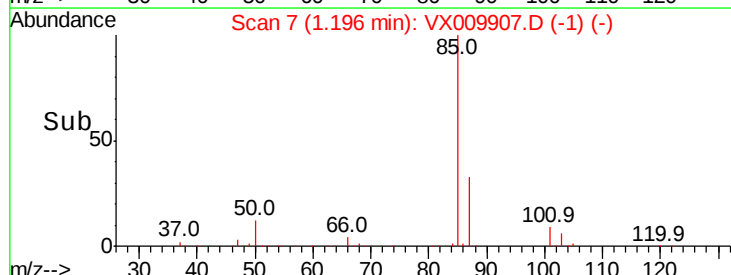
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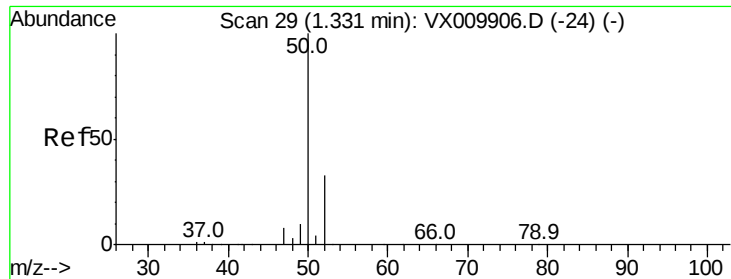
100000

50000

0

Time--> 1.10 1.20 1.30





#3

Chloromethane

Concen: 119.854 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 268102

Ion Ratio Lower Upper

50 100

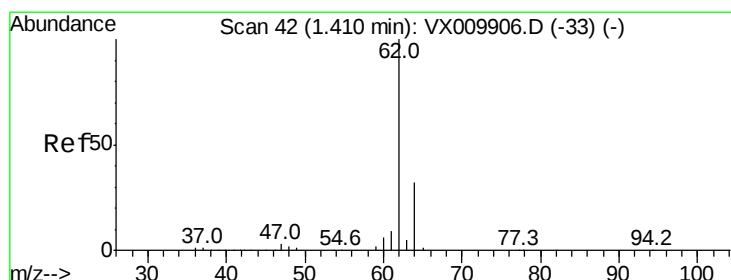
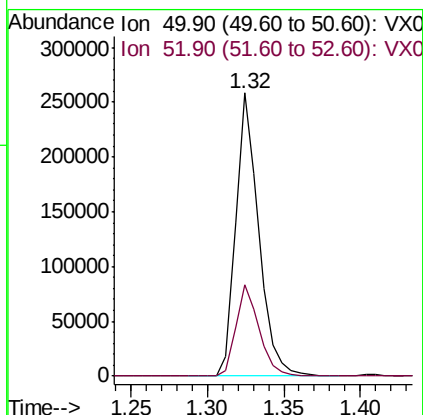
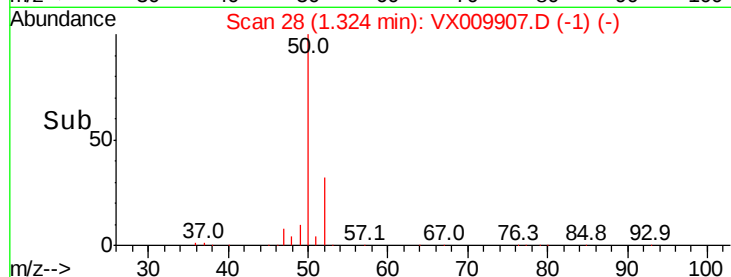
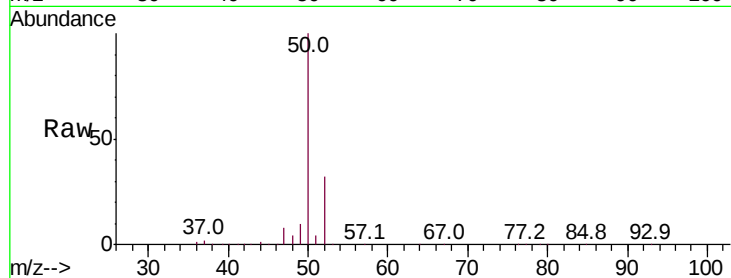
52 32.2 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 119.034 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009907.D

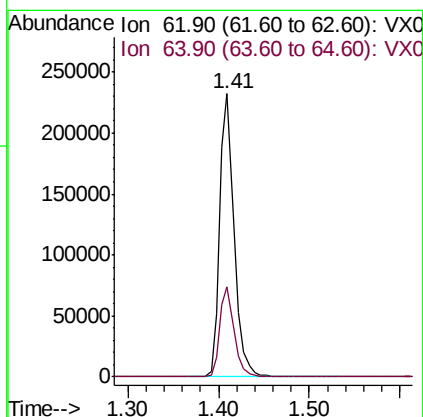
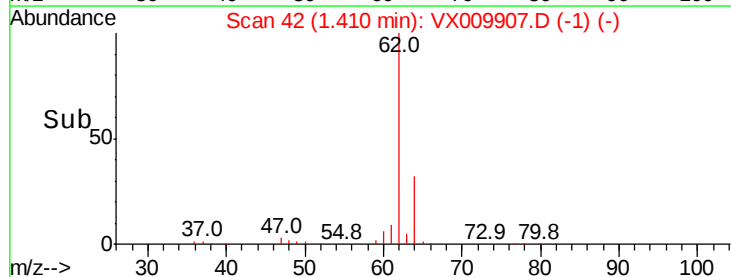
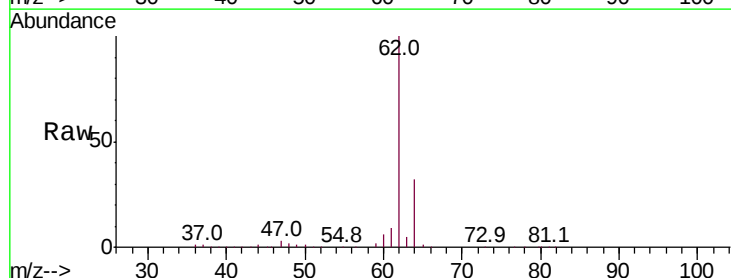
Acq: 28 May 2019 11:30

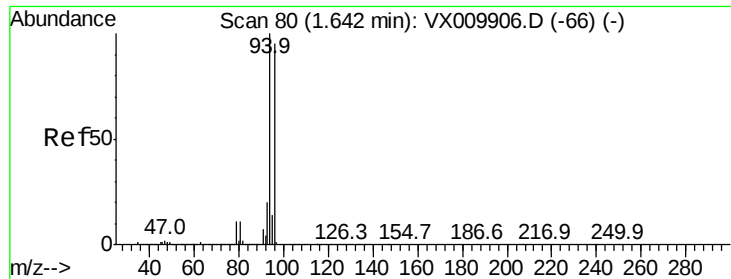
Tgt Ion: 62 Resp: 256903

Ion Ratio Lower Upper

62 100

64 31.8 25.7 38.5





#5

Bromomethane

Concen: 119.767 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 154903

Ion Ratio Lower Upper

94 100

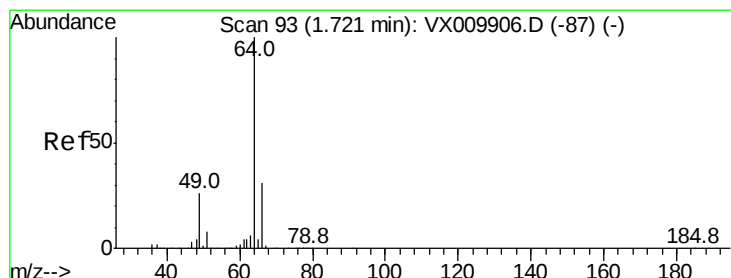
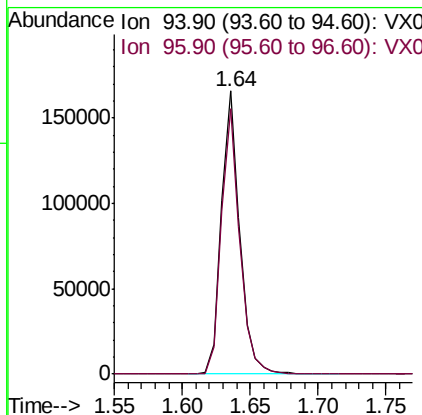
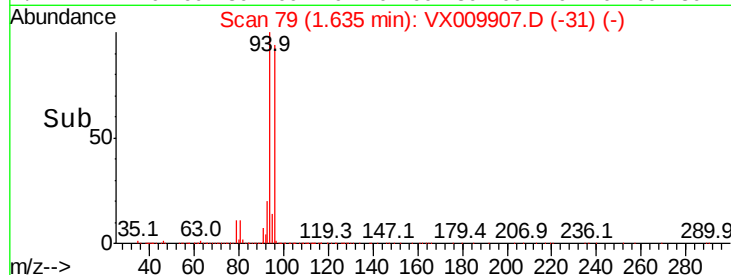
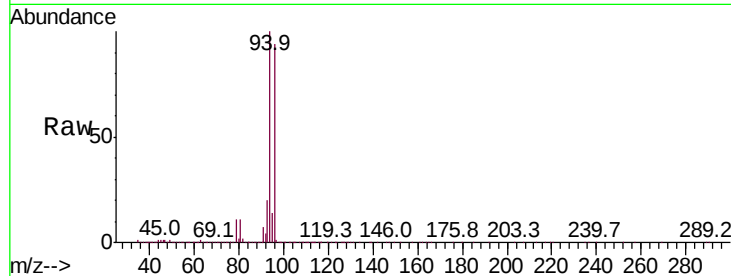
96 93.7 76.2 114.4

Manual Integrations

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#6

Chloroethane

Concen: 108.647 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009907.D

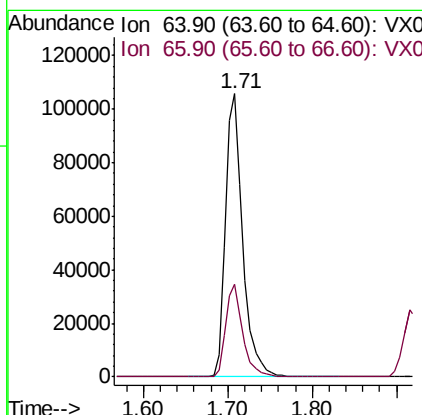
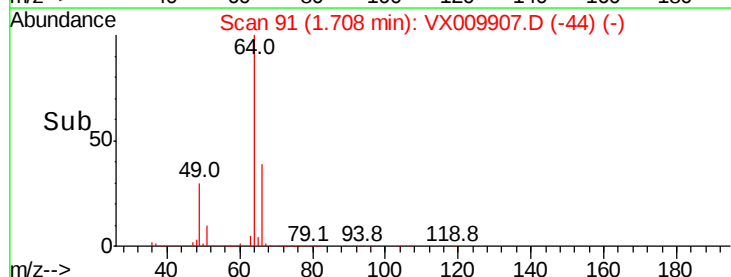
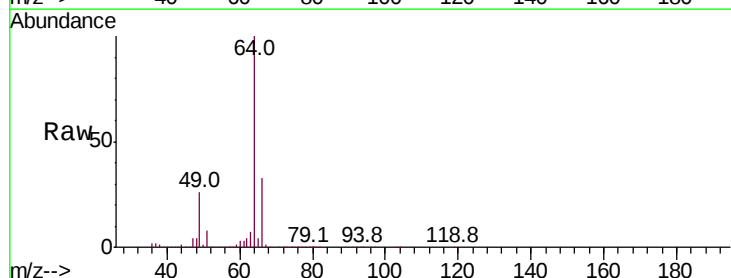
Acq: 28 May 2019 11:30

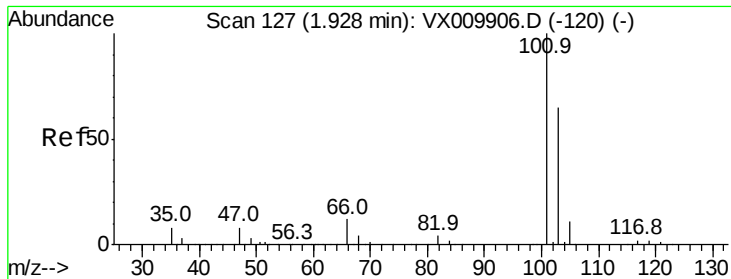
Tgt Ion: 64 Resp: 148151

Ion Ratio Lower Upper

64 100

66 32.7 25.1 37.7





#7

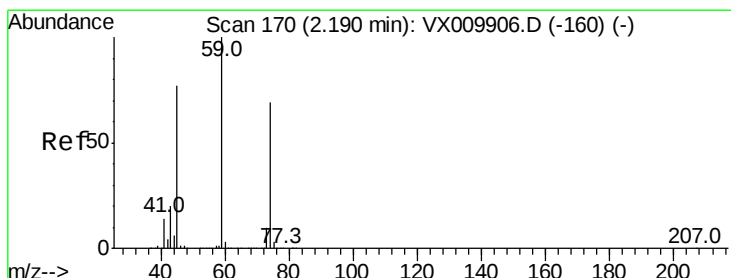
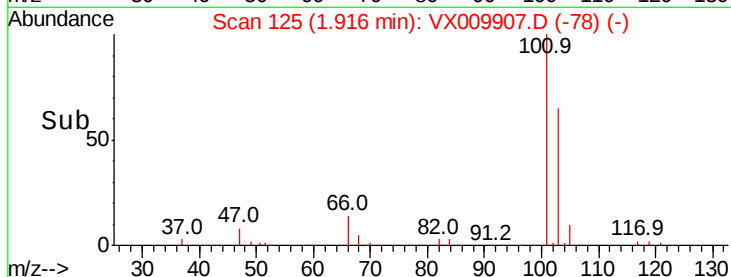
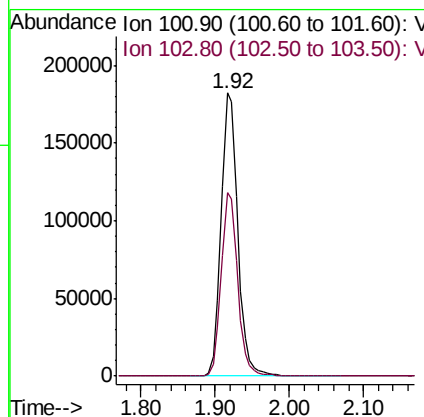
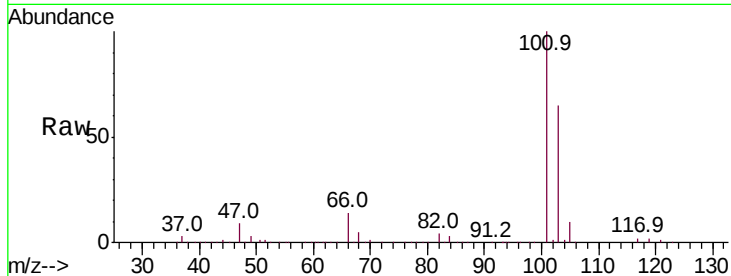
Trichlorofluoromethane
 Concen: 108.692 ug/l
 RT: 1.92 min Scan# 125
 Delta R.T. -0.01 min
 Lab File: VX009907.D
 Acq: 28 May 2019 11:30

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		280607		
103	65.0	52.2			78.4

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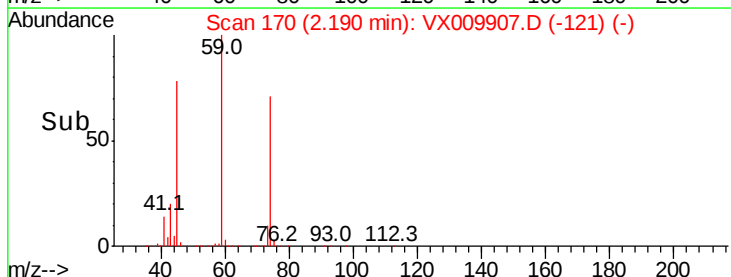
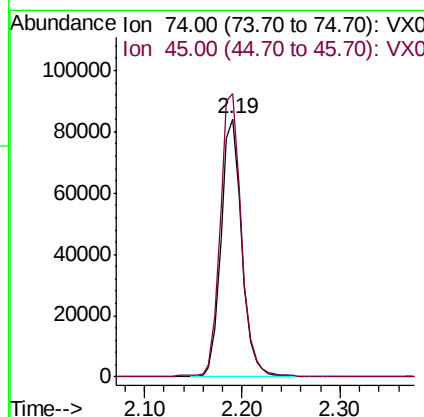
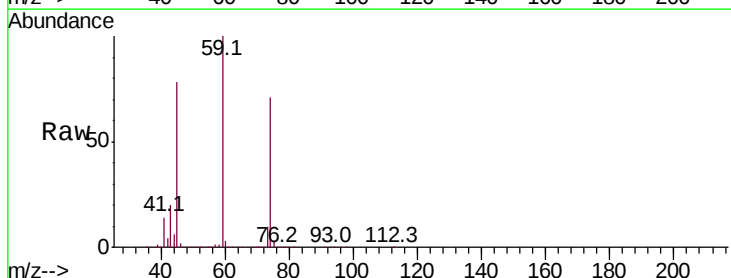
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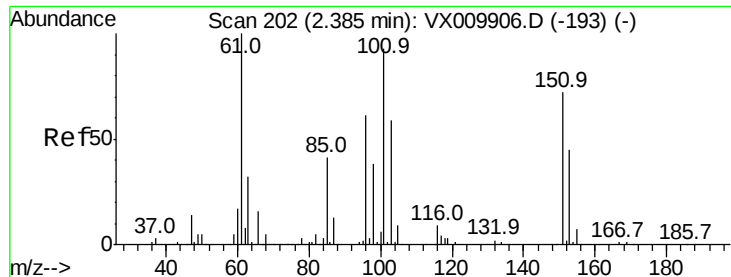


#8

Diethyl Ether
 Concen: 102.381 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX009907.D
 Acq: 28 May 2019 11:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		123715		
45	112.1	56.1			168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 101.966 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

Instrument :

MSVOA_X

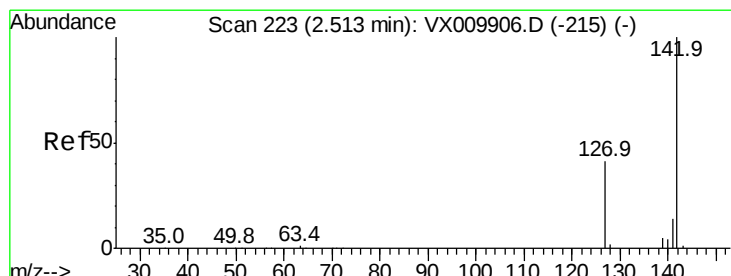
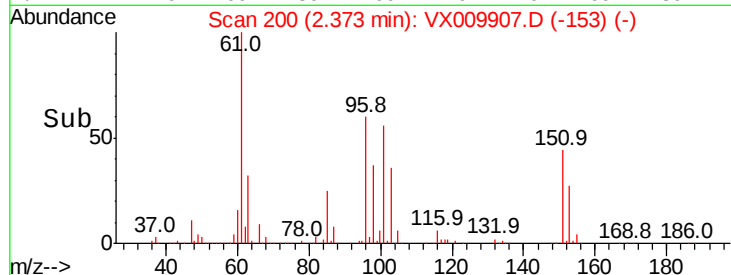
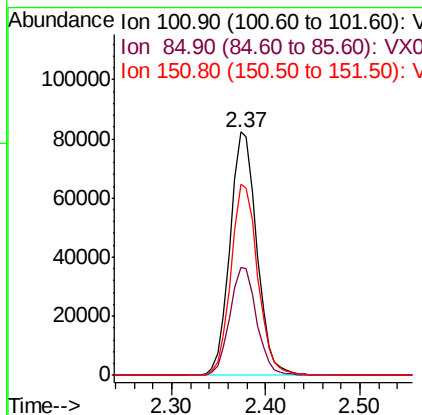
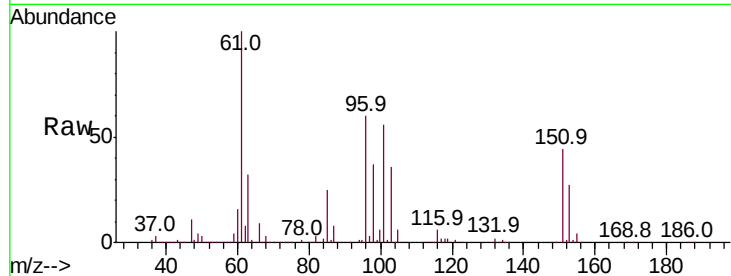
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	163404
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.2	52.8
151	78.3	61.9	92.9

Manual Integrations
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#10

Methyl Iodide

Concen: 123.623 ug/l

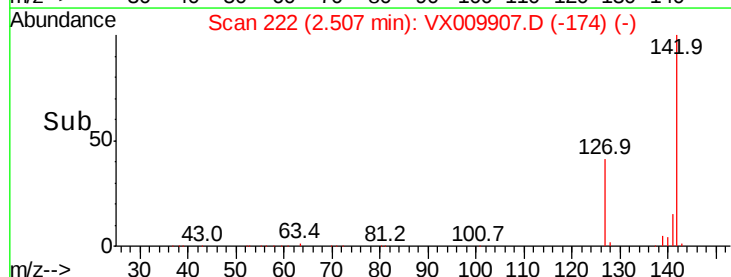
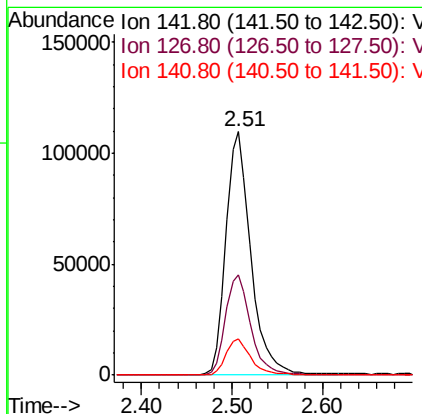
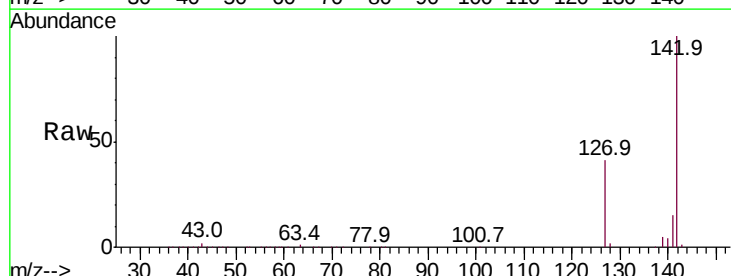
RT: 2.51 min Scan# 222

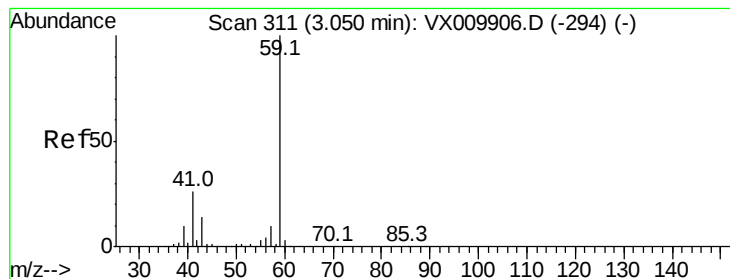
Delta R.T. -0.01 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

Tgt Ion:	142	Resp:	210020
Ion Ratio	Lower	Upper	
142	100		
127	41.6	33.0	49.4
141	14.9	11.4	17.0





#11

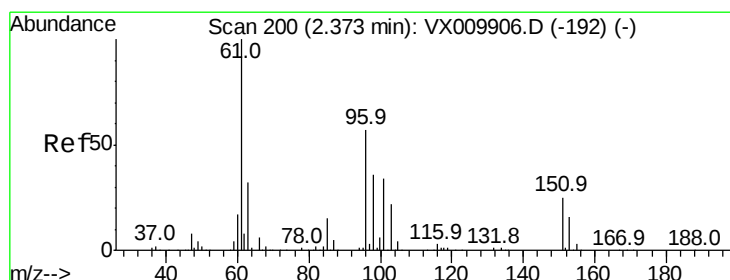
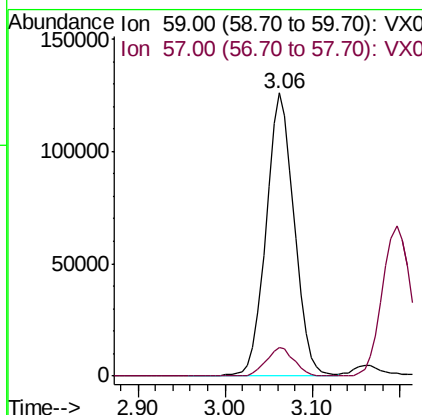
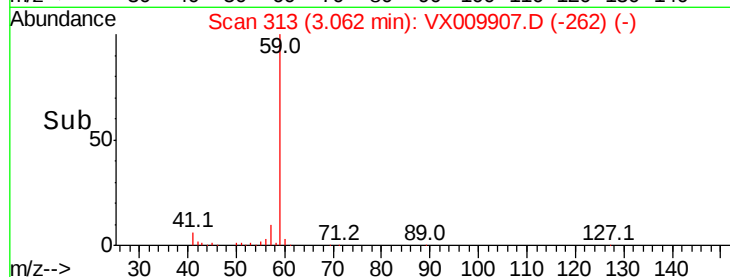
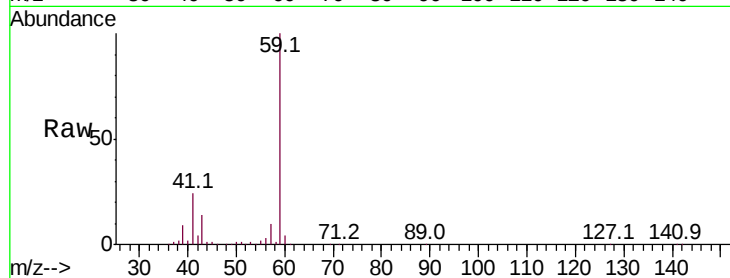
Tert butyl alcohol
Concen: 519.511 ug/l
RT: 3.06 min Scan# 313
Delta R.T. 0.01 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Instrument :
MSVOA_X
ClientSampled :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
59	100	281517		
57	10.1		8.2	12.2

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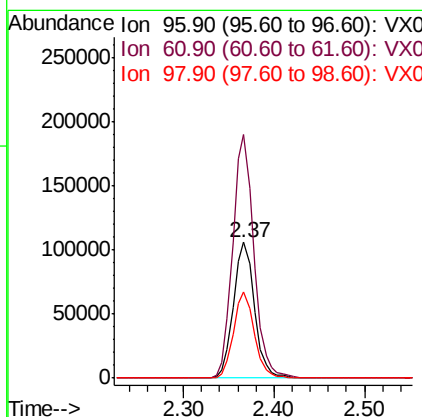
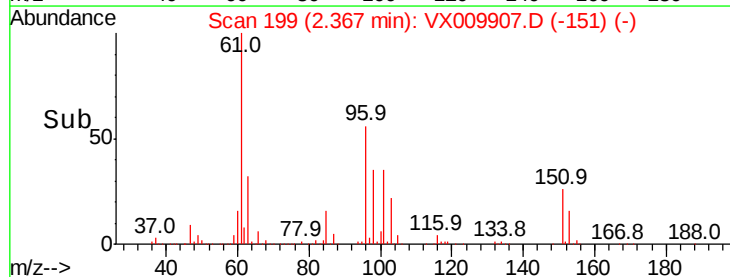
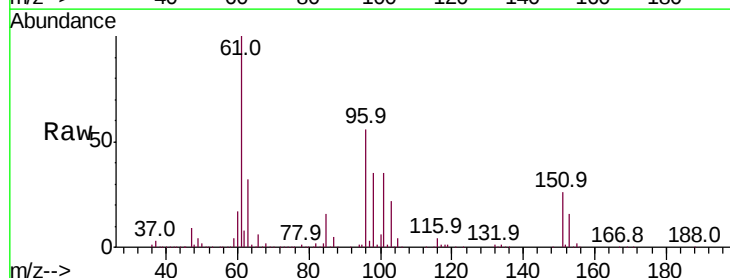
MMDadoda
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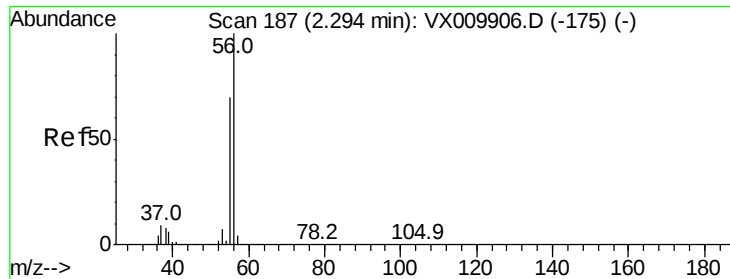


#12

1,1-Dichloroethene
Concen: 106.666 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	171153		
61	179.3		140.7	211.1
98	63.2		50.1	75.1





#13

Acrolein

Concen: 435.377 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 205548

Ion Ratio Lower Upper

56 100

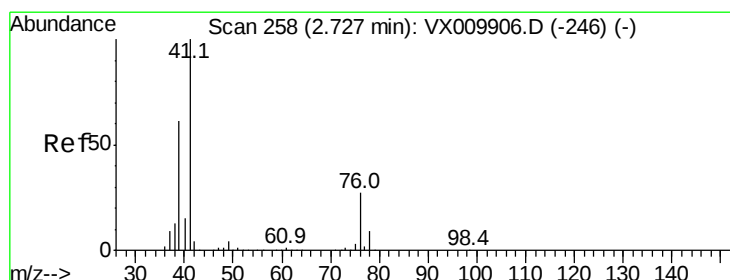
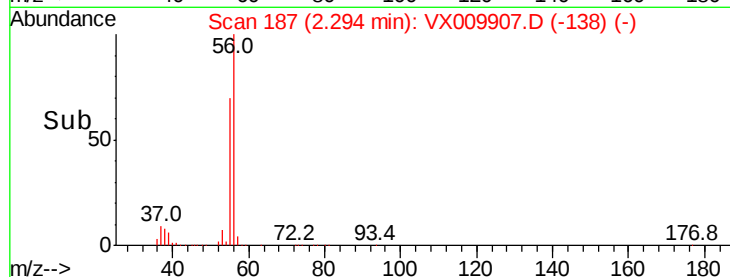
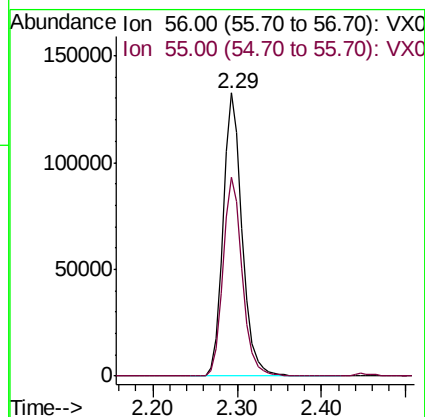
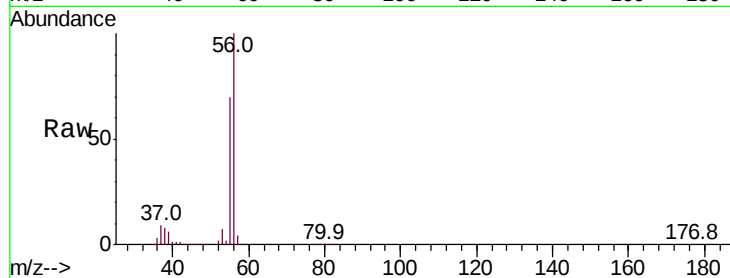
55 71.3 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 106.657 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

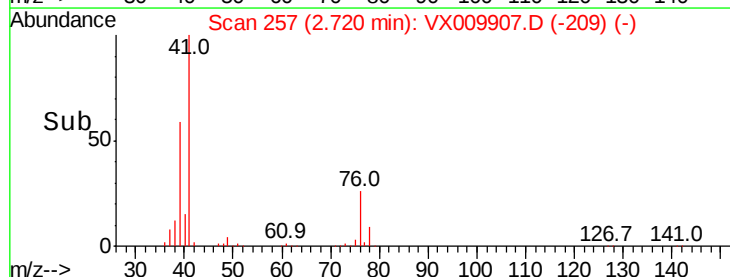
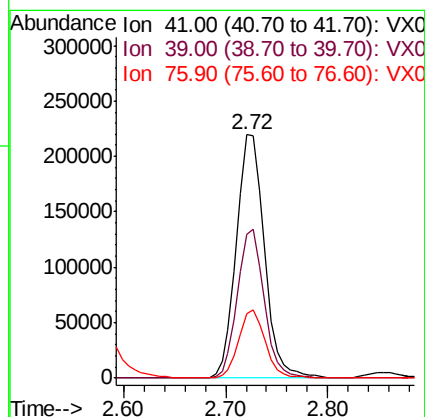
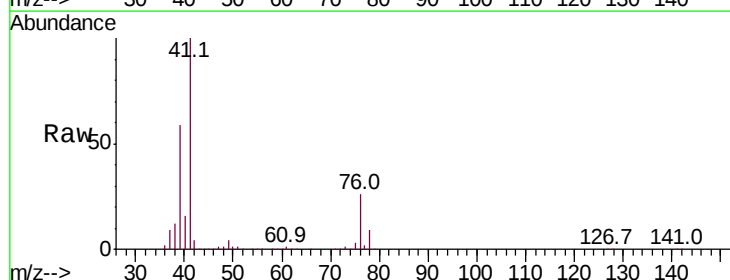
Tgt Ion: 41 Resp: 419720

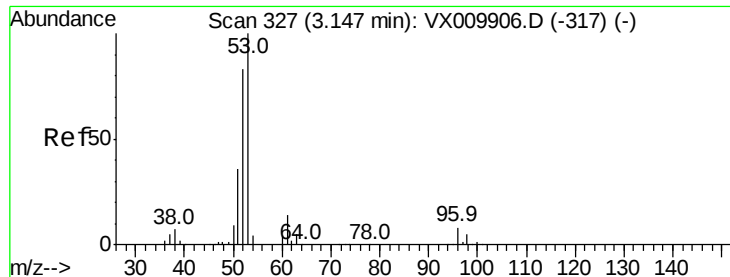
Ion Ratio Lower Upper

41 100

39 57.9 46.7 70.1

76 26.4 21.0 31.4





#15

Acrylonitrile

Concen: 516.915 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 683713

Ion Ratio Lower Upper

53 100

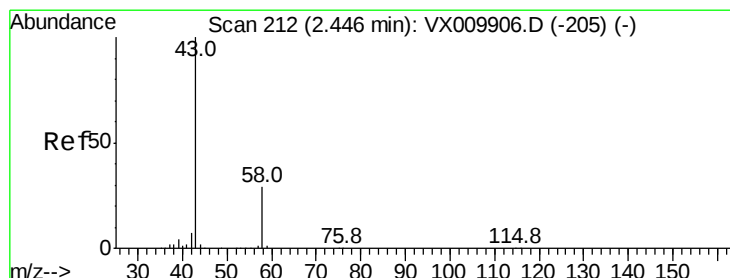
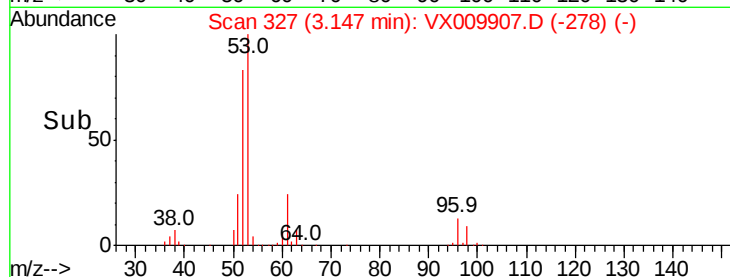
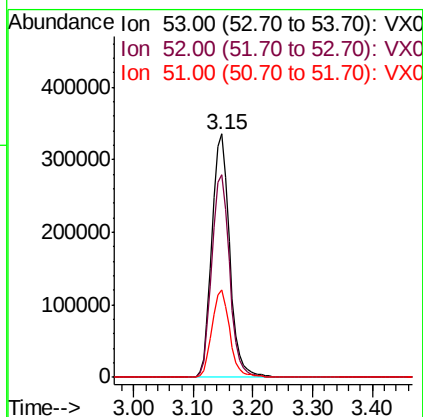
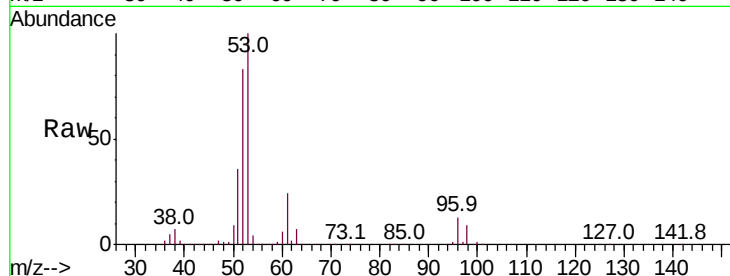
52 83.8 66.7 100.1

51 36.1 28.8 43.2

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#16

Acetone

Concen: 529.799 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009907.D

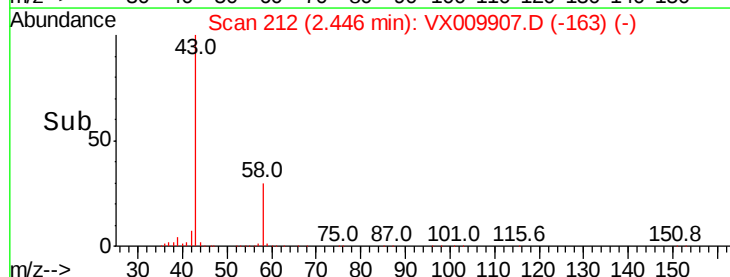
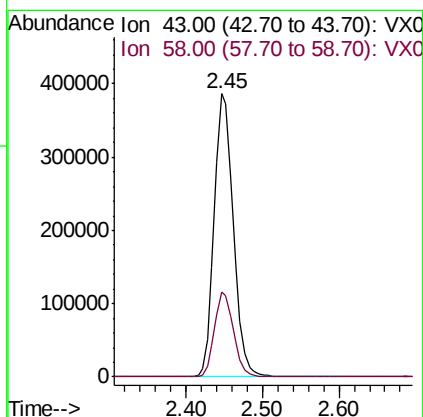
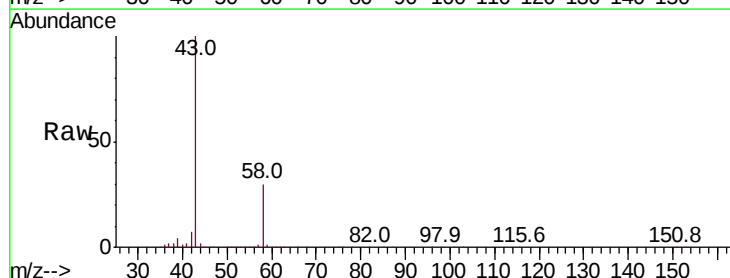
Acq: 28 May 2019 11:30

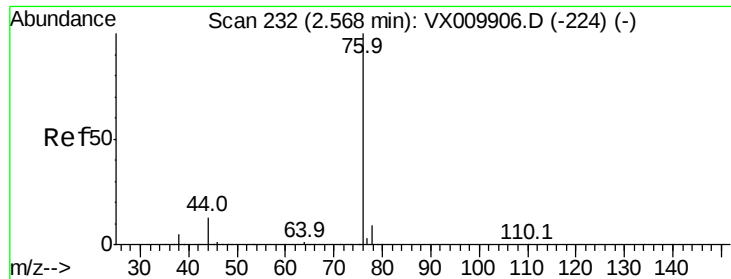
Tgt Ion: 43 Resp: 669472

Ion Ratio Lower Upper

43 100

58 29.8 23.2 34.8





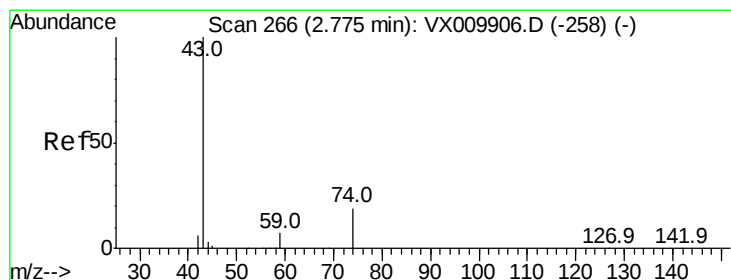
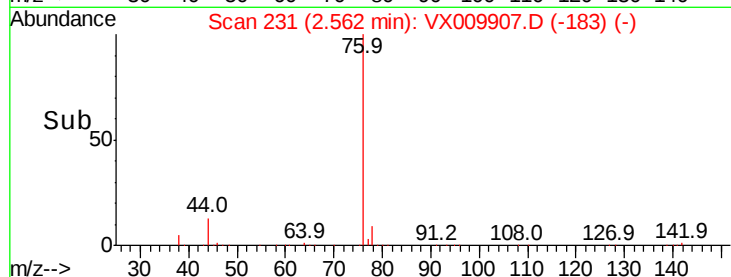
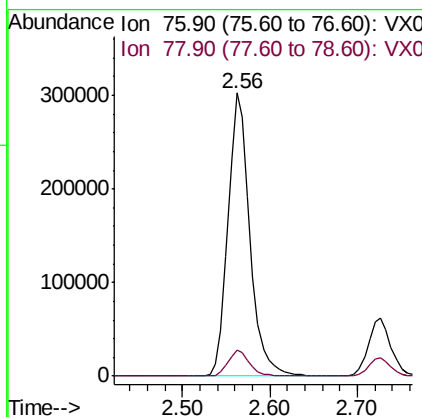
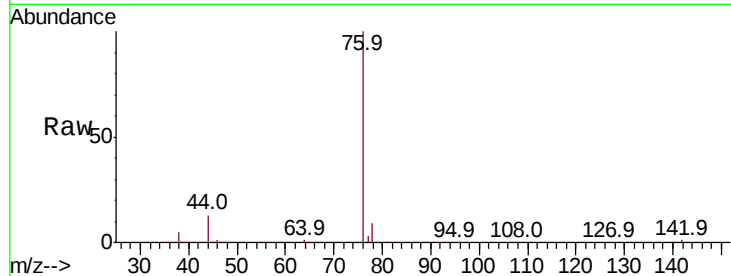
#17
Carbon Disulfide
Concen: 115.161 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 525751
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6

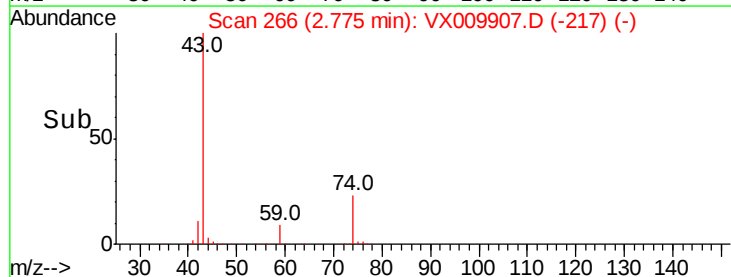
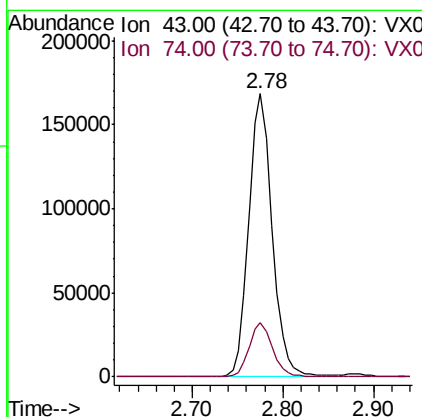
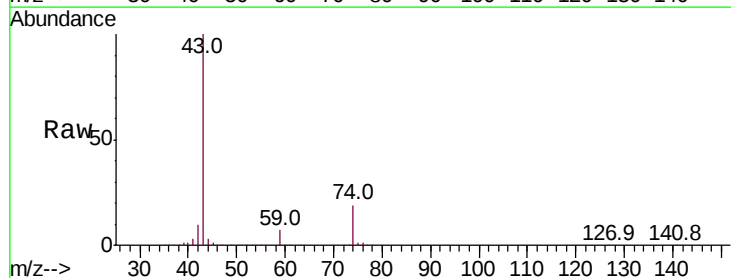
Manual Integrations
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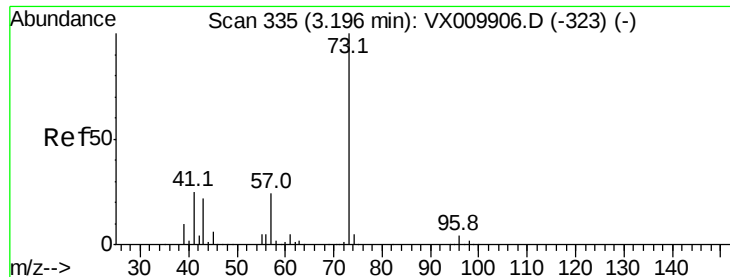
MMDadoda
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#18
Methyl Acetate
Concen: 101.112 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Tgt Ion: 43 Resp: 300909
Ion Ratio Lower Upper
43 100
74 19.4 15.8 23.6





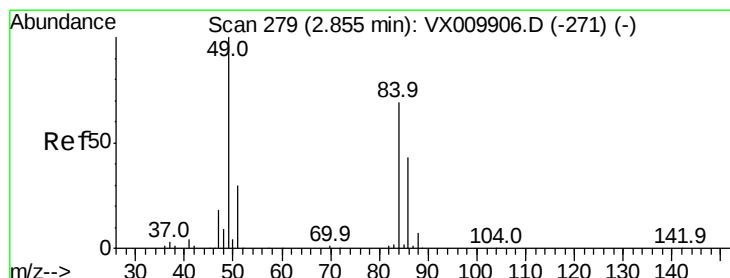
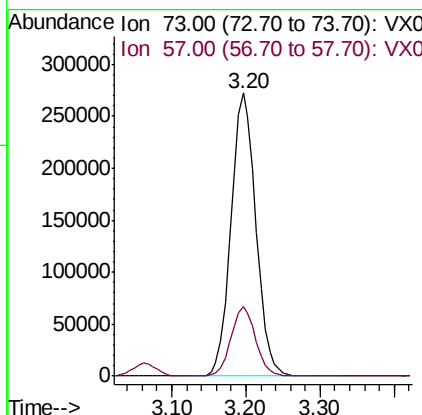
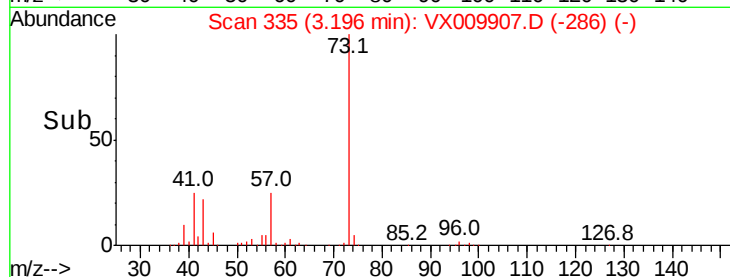
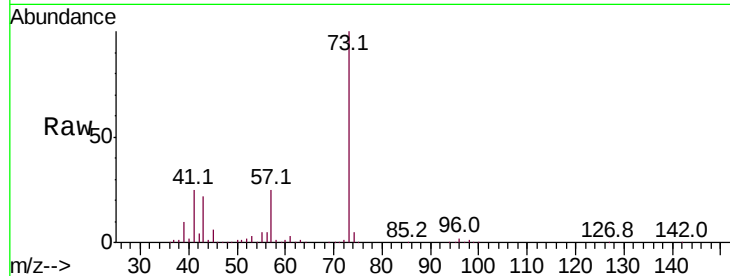
#19
Methvl tert-butvl Ether
Concen: 102.570 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.5	19.4	29.2

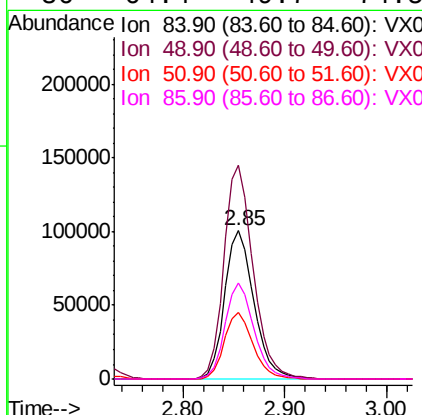
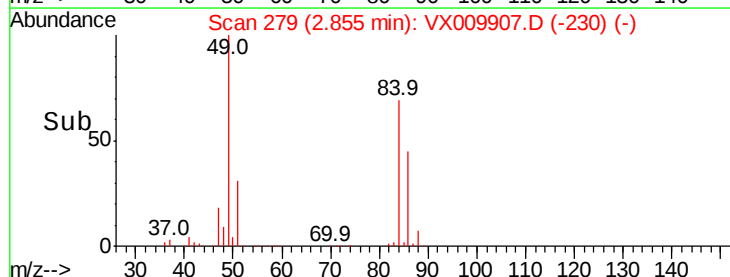
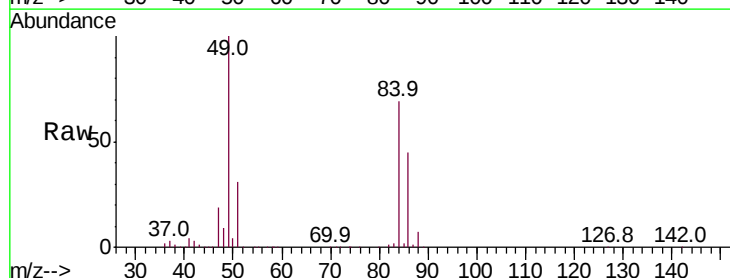
Manual Integrations
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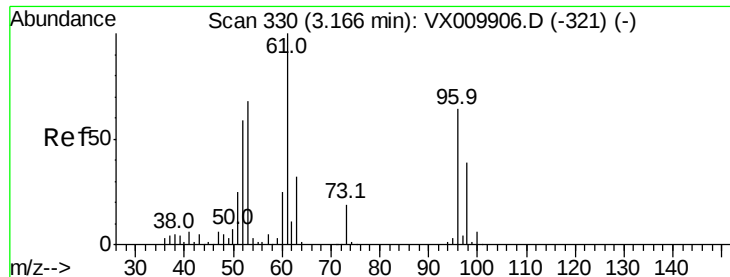
MMDadoda
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#20
Methylene Chloride
Concen: 98.851 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	143.9	115.8	173.6
51	45.2	34.4	51.6
86	64.4	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 104.159 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

Instrument :

MSVOA_X

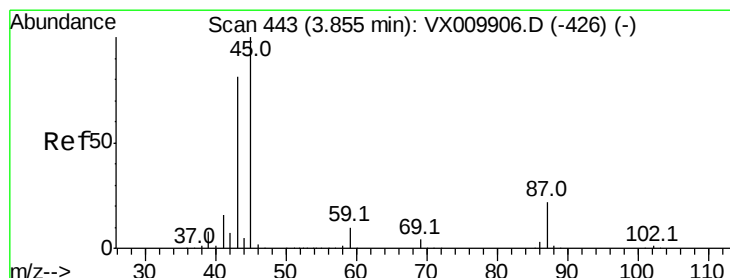
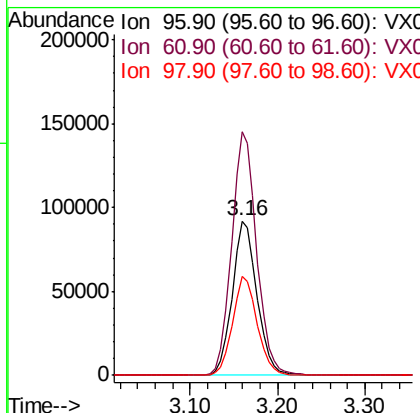
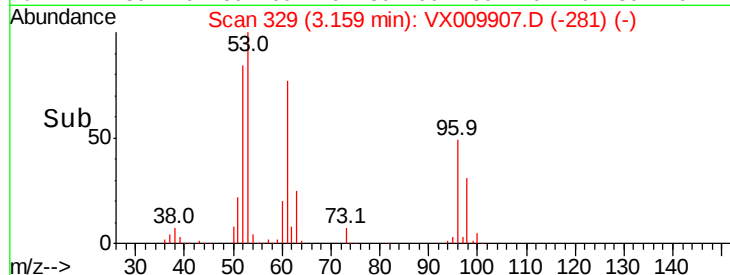
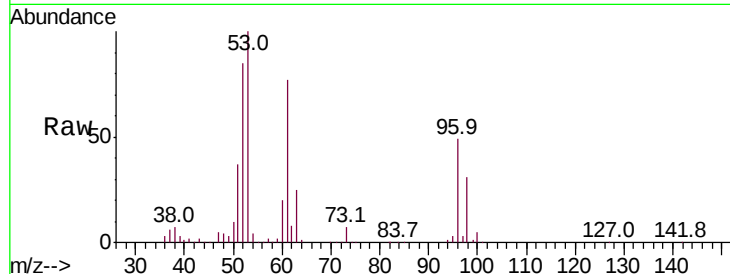
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	180811
Ion	Ratio	Lower	Upper
96	100		
61	157.9	125.7	188.5
98	63.9	49.0	73.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 103.761 ug/l

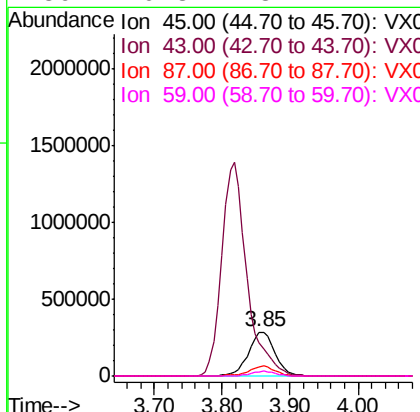
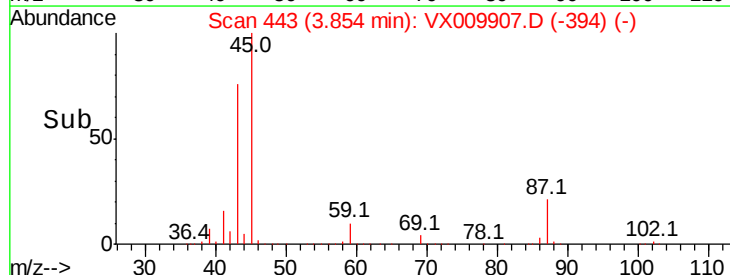
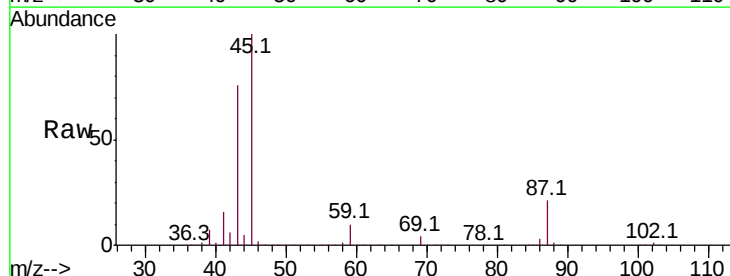
RT: 3.85 min Scan# 443

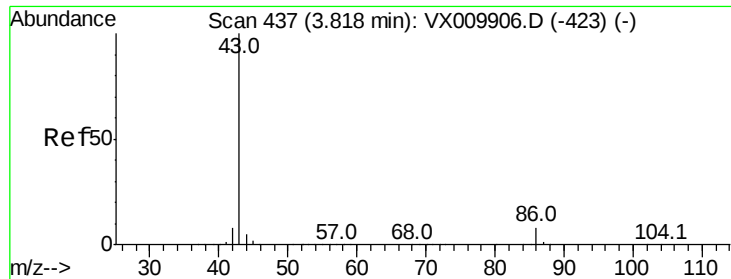
Delta R.T. -0.00 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

Tgt Ion:	45	Resp:	781241
Ion	Ratio	Lower	Upper
45	100		
43	75.6	65.0	97.4
87	21.4	17.3	25.9
59	10.3	8.1	12.1





#23

Vinyl Acetate

Concen: 553.757 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 3586001

Ion Ratio Lower Upper

43 100

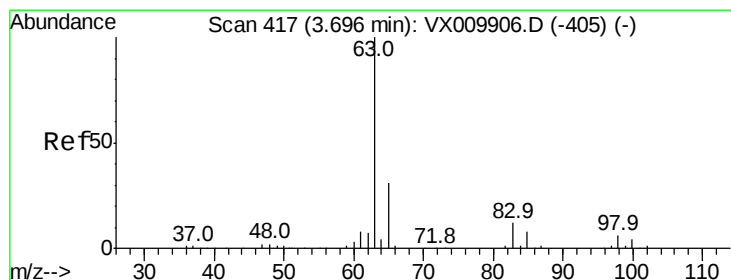
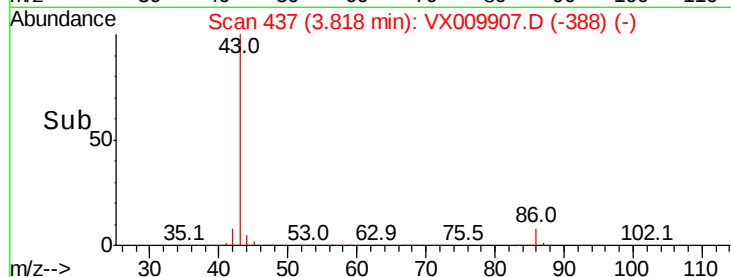
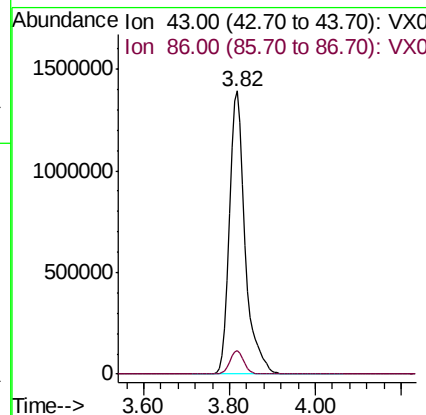
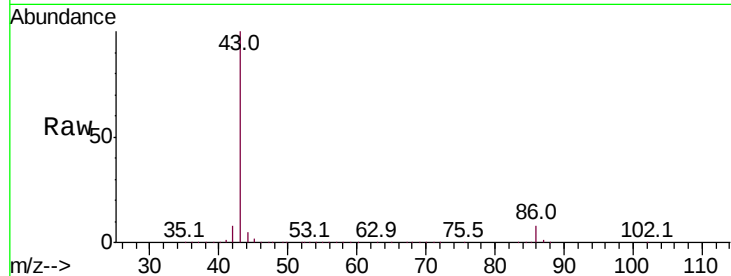
86 8.5 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 101.081 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

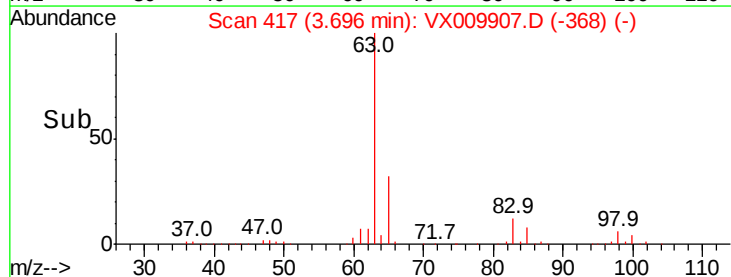
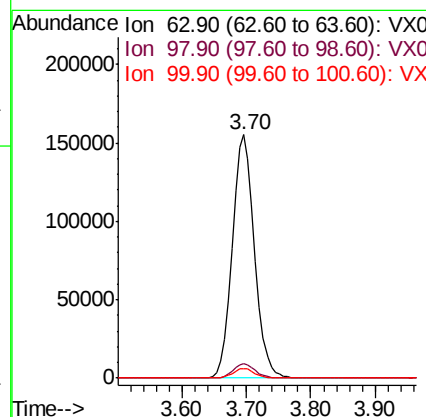
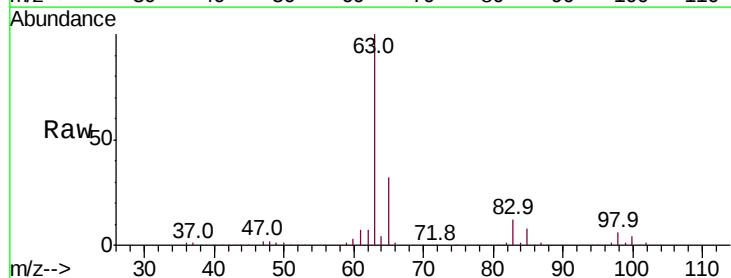
Tgt Ion: 63 Resp: 374512

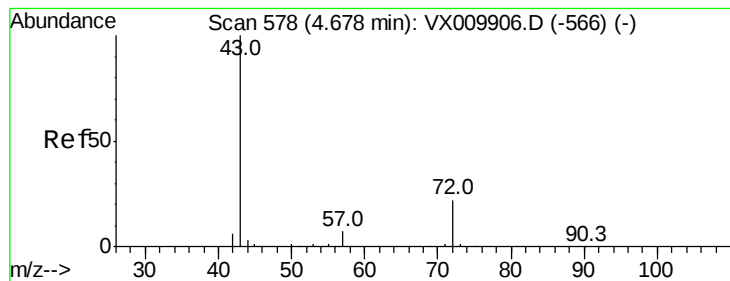
Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.8

100 3.6 1.8 5.4





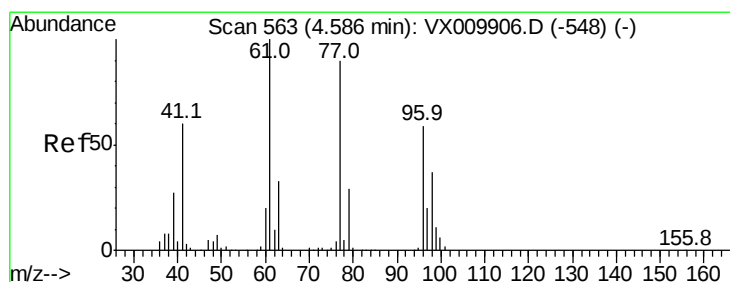
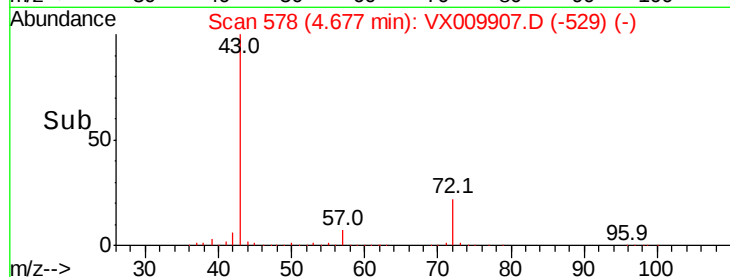
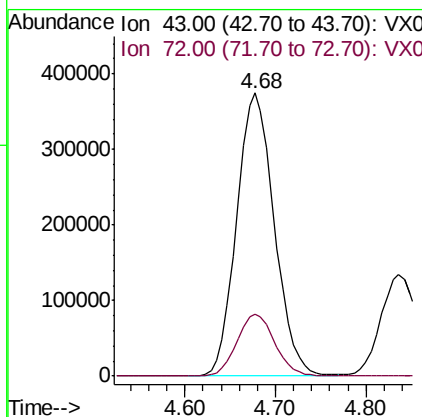
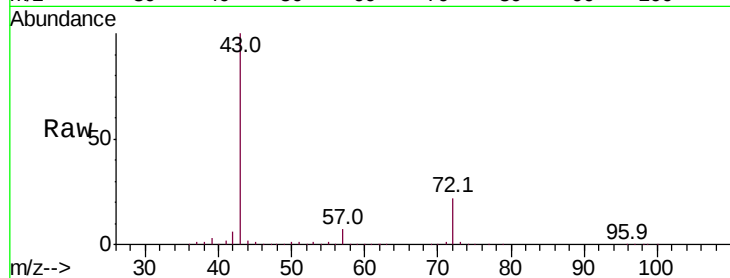
#25
2-Butanone
Concen: 547.773 ug/l
RT: 4.68 min Scan# 578
Delta R.T. -0.00 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1073347
Ion Ratio Lower Upper
43 100
72 21.8 17.5 26.3

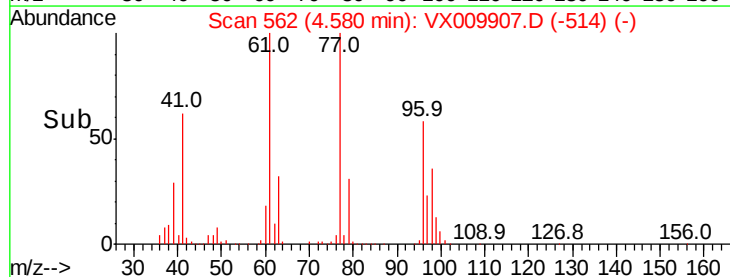
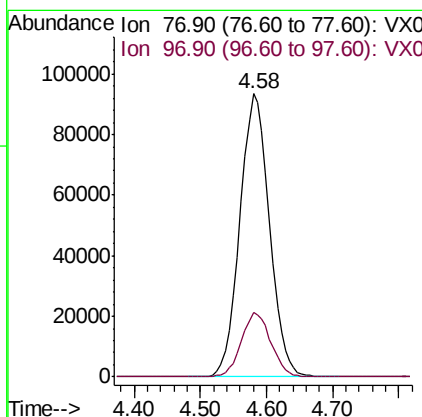
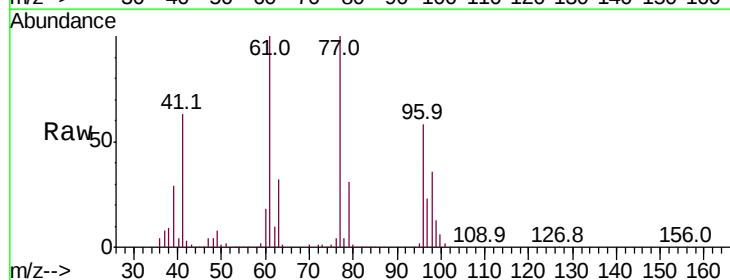
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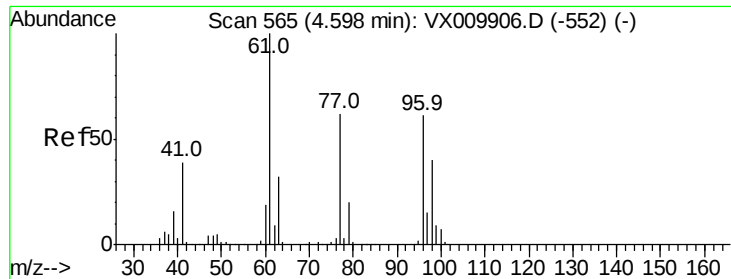
MMDadoda
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#26
2,2-Dichloropropane
Concen: 105.276 ug/l
RT: 4.58 min Scan# 562
Delta R.T. -0.01 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Tgt Ion: 77 Resp: 290622
Ion Ratio Lower Upper
77 100
97 22.6 11.4 34.2





#27

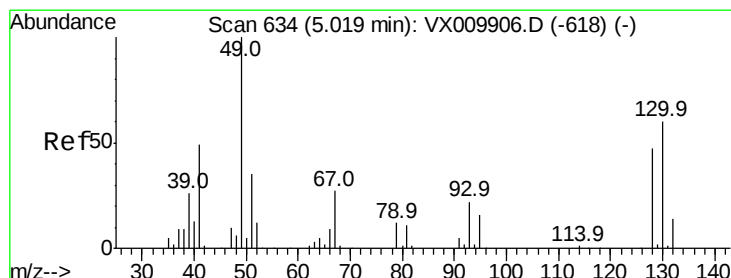
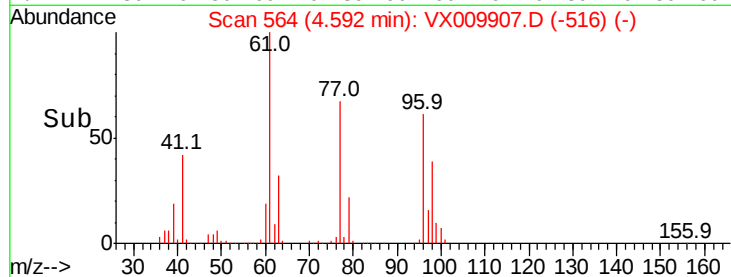
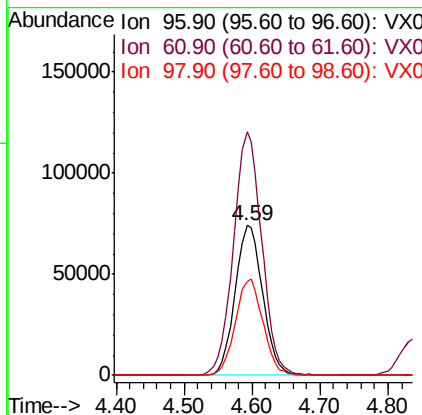
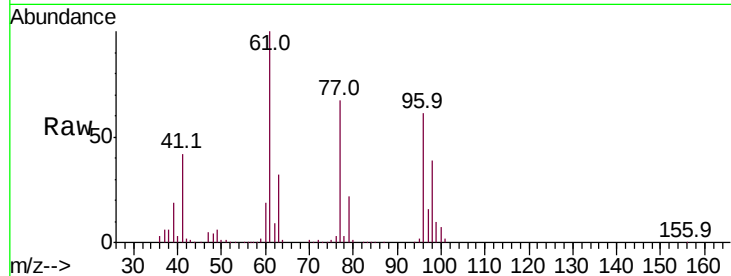
cis-1,2-Dichloroethene
Concen: 101.201 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	209028		
61	166.6	0.0	334.0	
98	64.2	0.0	131.6	

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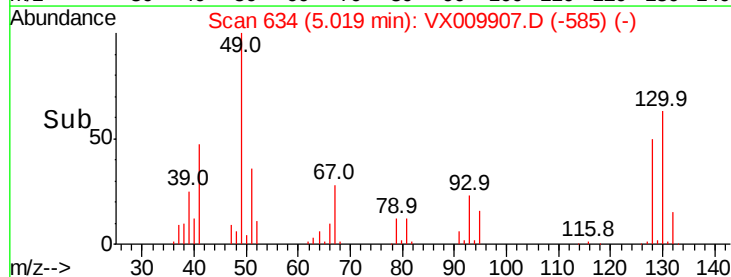
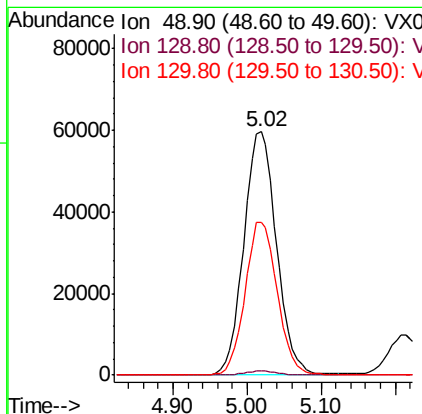
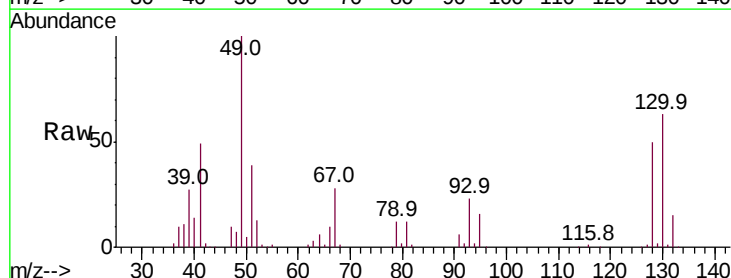
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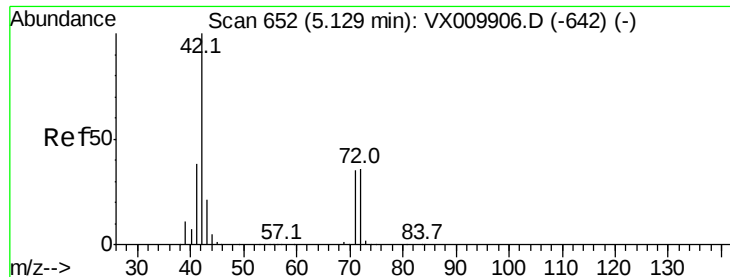


#28

Bromochloromethane
Concen: 109.756 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	184261		
129	1.6	0.0	3.4	
130	61.7	49.4	74.2	





#29

Tetrahydrofuran

Concen: 545.080 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

Instrument :

MSVOA_X

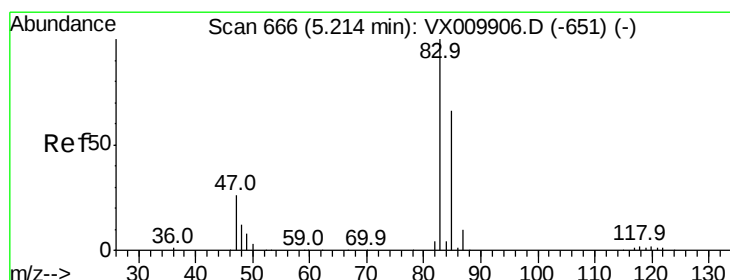
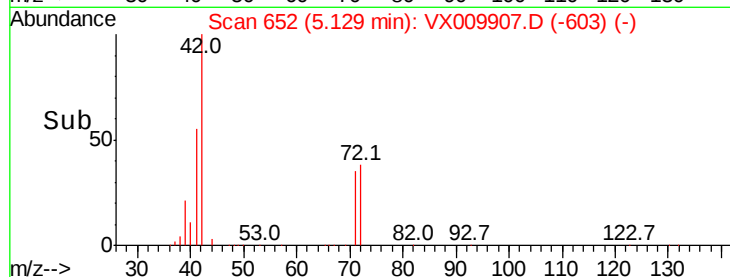
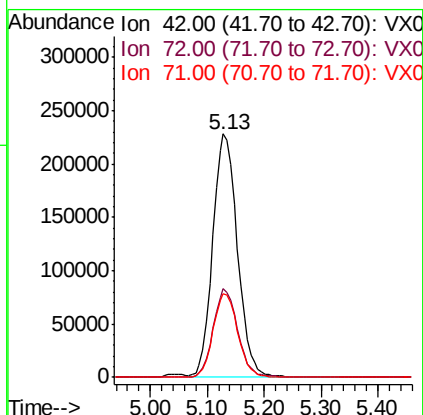
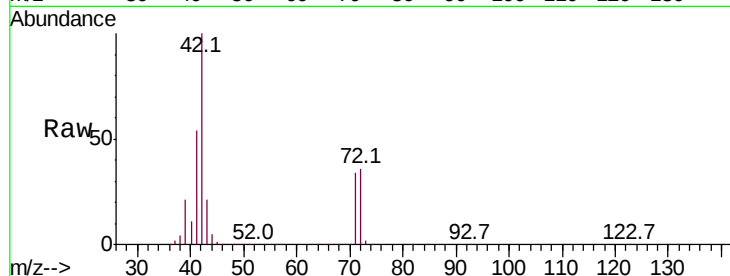
ClientSampleId :

VSTDIC100

Tot Ion:	42	Resp:	685760
Ion	Ratio	Lower	Upper
42	100		
72	36.3	29.2	43.8
71	34.6	27.6	41.4

Manual Integrations
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#30

Chloroform

Concen: 100.512 ug/l

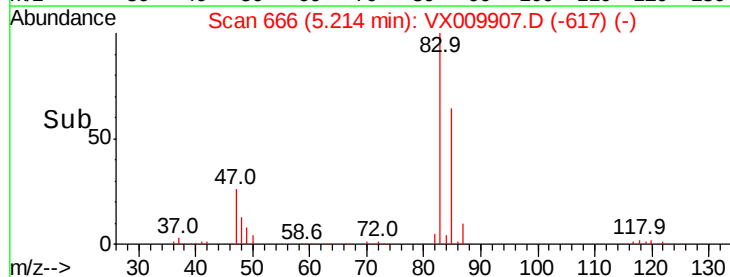
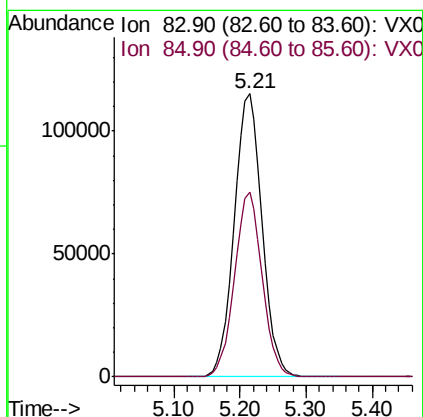
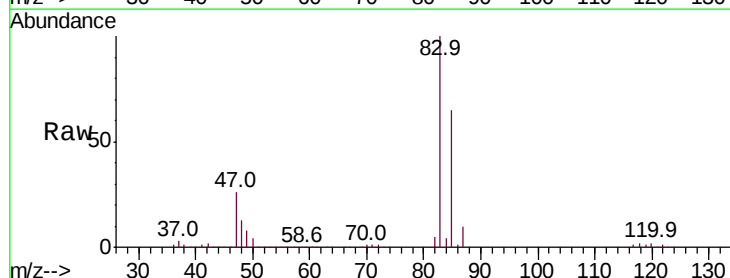
RT: 5.21 min Scan# 666

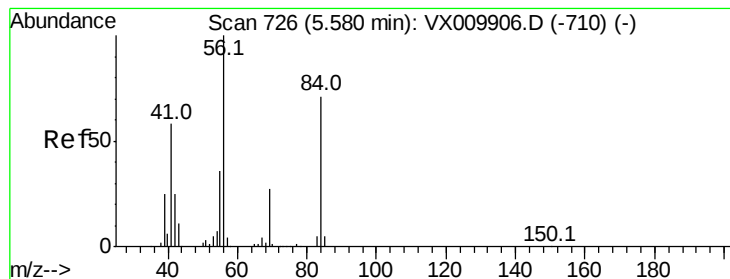
Delta R.T. -0.00 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

Tgt Ion:	83	Resp:	336072
Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.6	78.8





#31

Cyclohexane

Concen: 107.814 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 376205

Ion Ratio Lower Upper

56 100

69 27.8 21.6 32.4

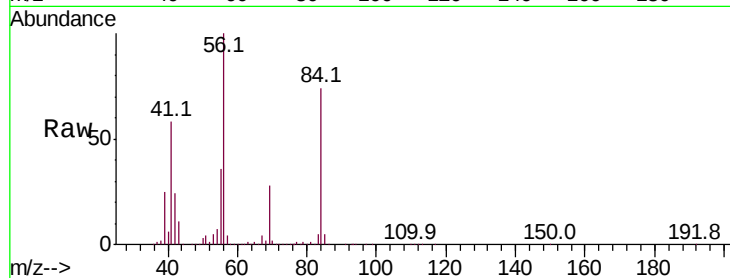
84 73.0 56.8 85.2

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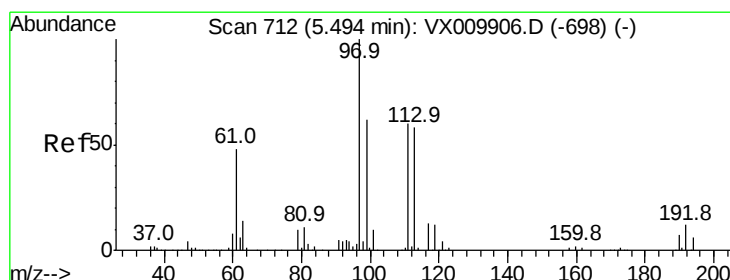
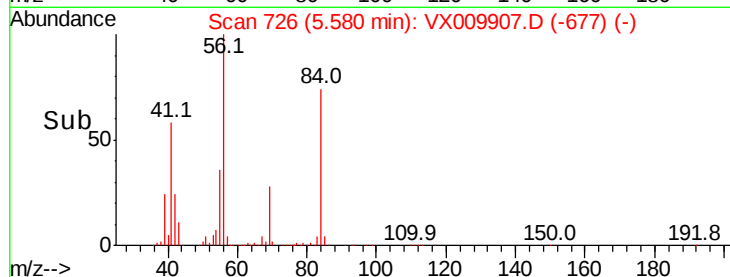
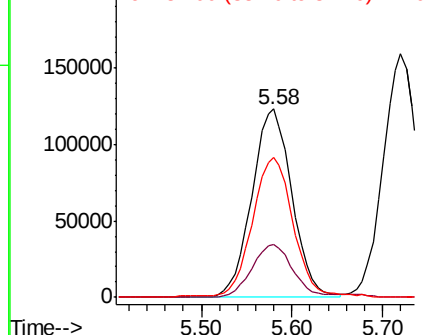
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Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 103.162 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

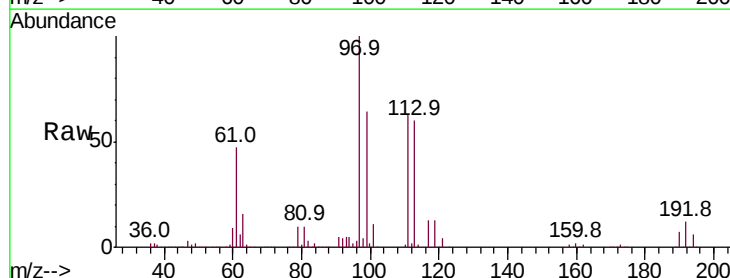
Tgt Ion: 97 Resp: 287824

Ion Ratio Lower Upper

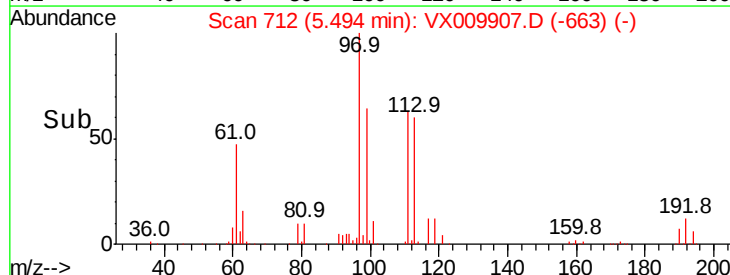
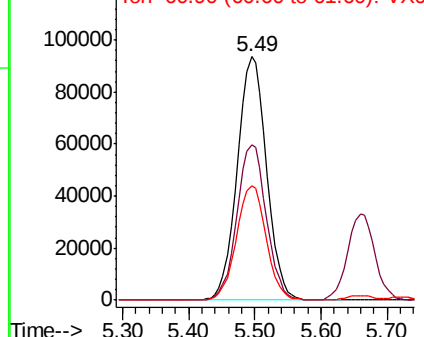
97 100

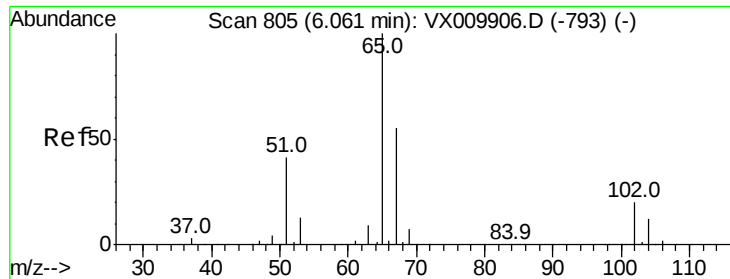
99 64.0 51.0 76.4

61 47.8 38.7 58.1



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 100.727 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009907.D

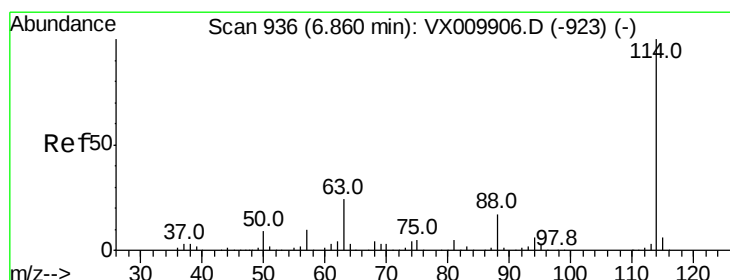
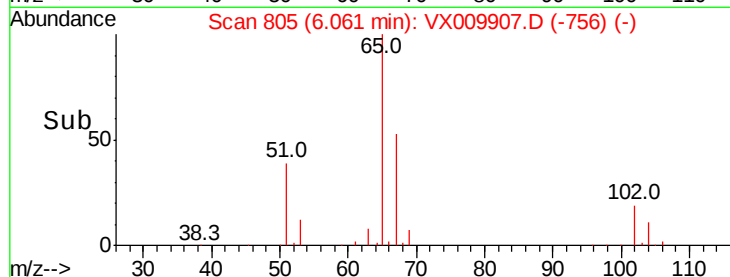
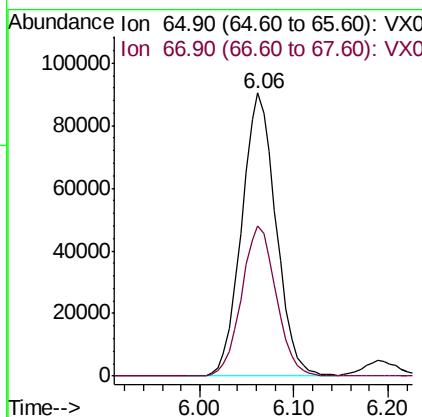
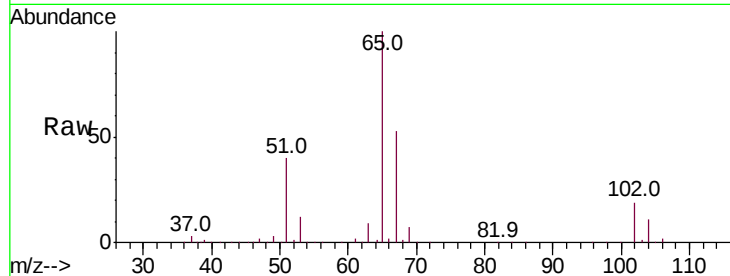
Acq: 28 May 2019 11:30

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	230847		
67	53.6	0.0	108.4	

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

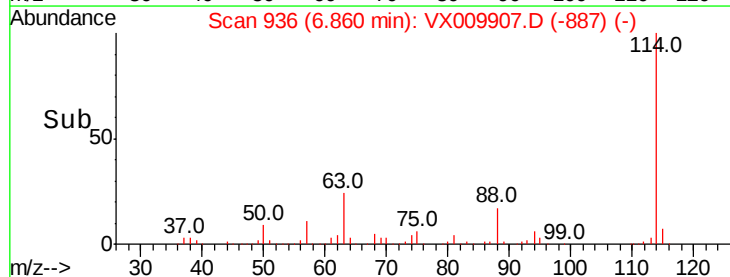
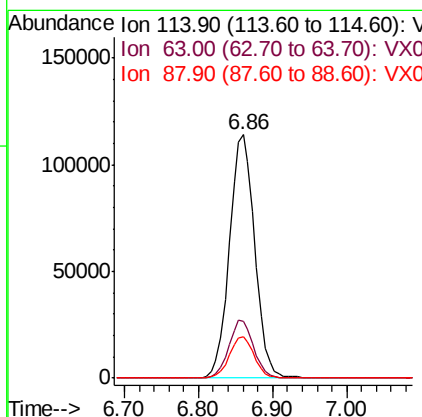
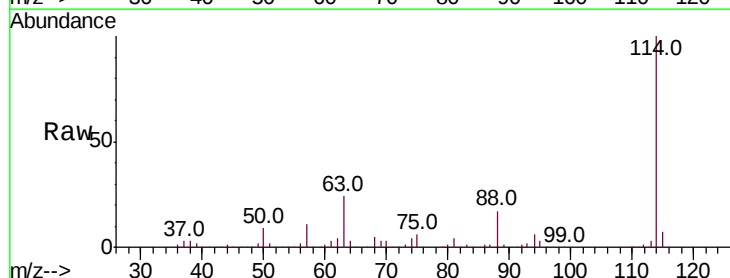
RT: 6.86 min Scan# 936

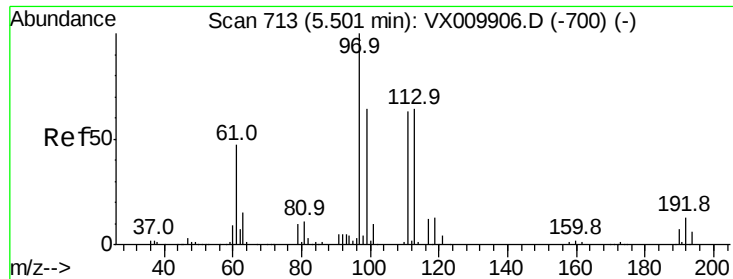
Delta R.T. -0.00 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	270649		
63	23.5	0.0	47.4	
88	16.9	0.0	33.0	





#35

Dibromofluoromethane

Concen: 99.234 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

Instrument :

MSVOA_X

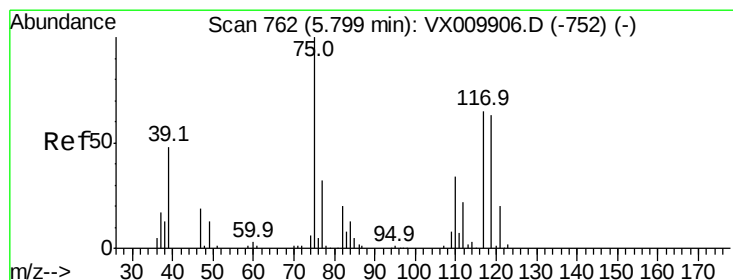
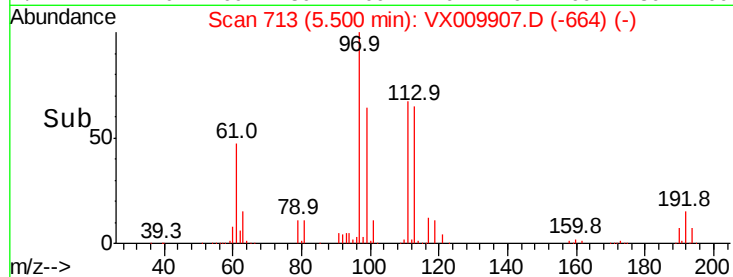
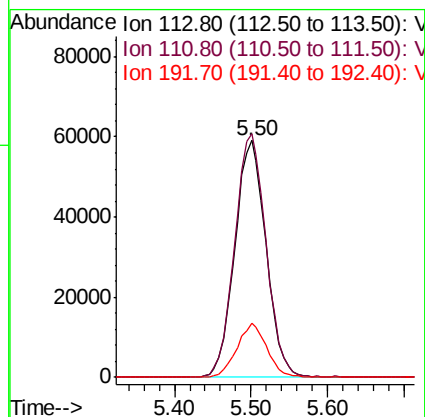
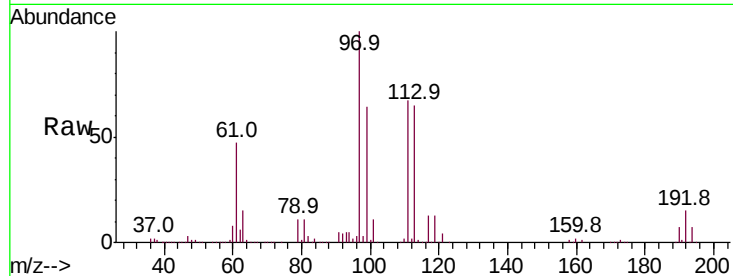
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	167340
Ion Ratio	Lower	Upper	
113	100		
111	103.2	82.2	123.2
192	21.9	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 106.230 ug/l

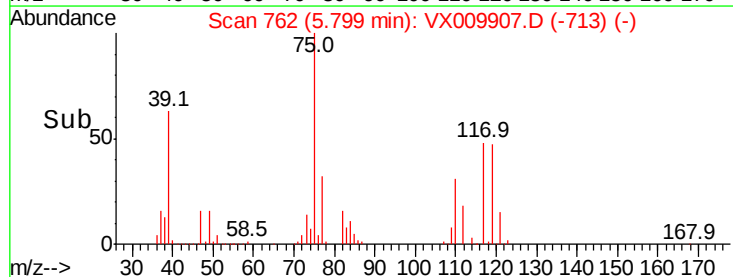
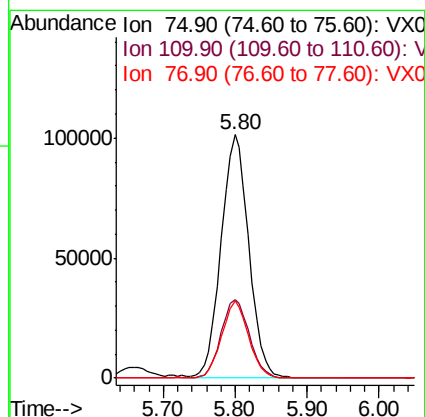
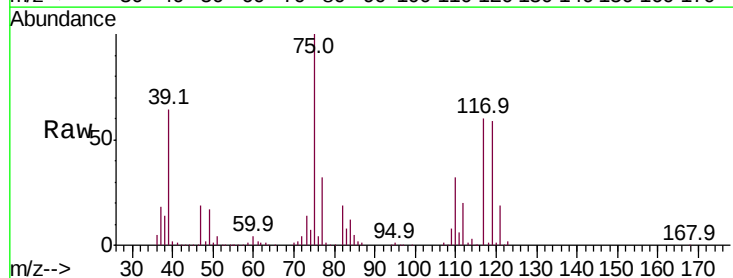
RT: 5.80 min Scan# 762

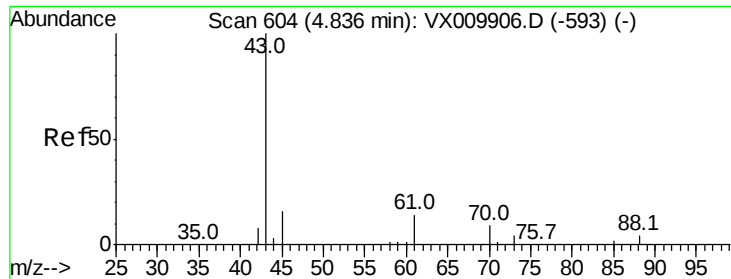
Delta R.T. -0.00 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

Tgt Ion:	75	Resp:	270473
Ion Ratio	Lower	Upper	
75	100		
110	33.1	16.7	50.1
77	30.8	25.0	37.4





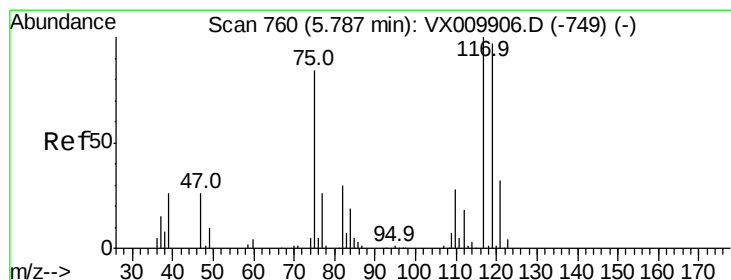
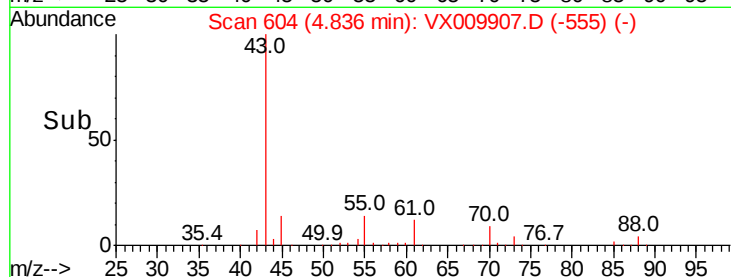
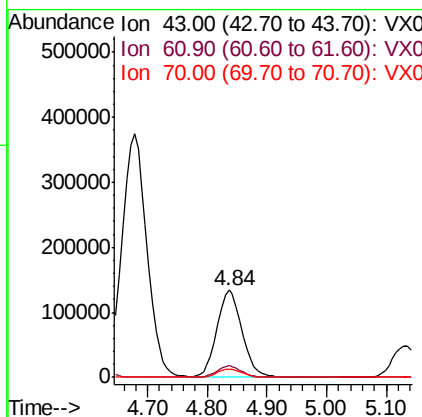
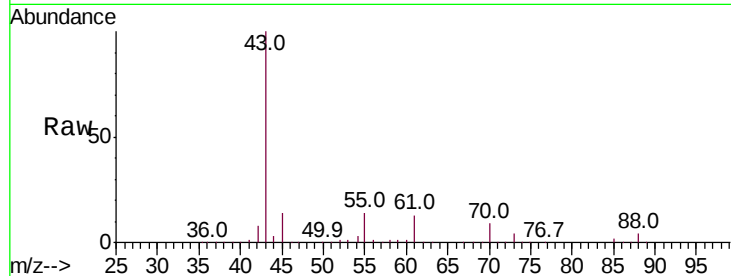
#37
Ethyl Acetate
Concen: 109.780 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.2	15.2
70	9.1	7.4	11.2

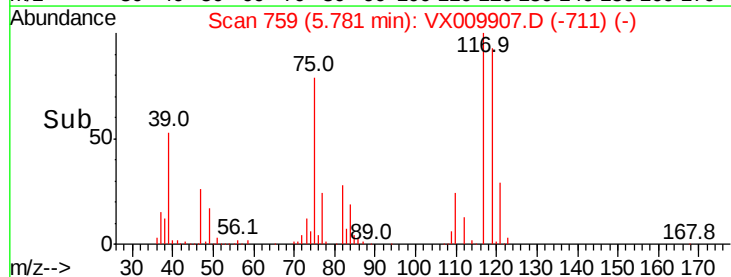
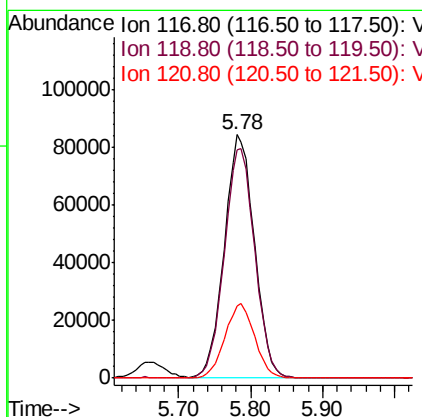
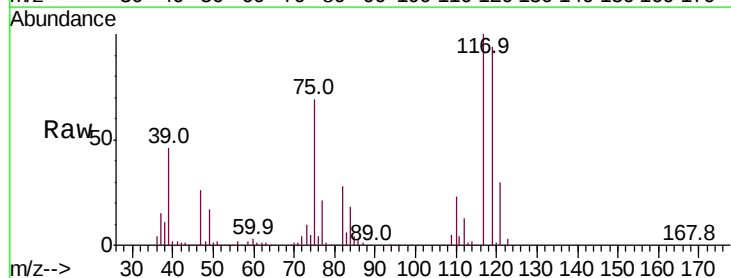
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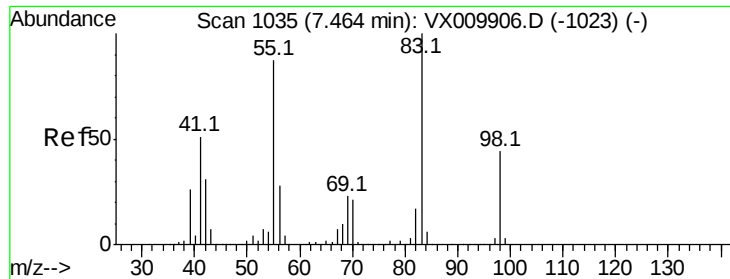
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#38
Carbon Tetrachloride
Concen: 105.987 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	77.3	115.9
121	29.8	25.4	38.0





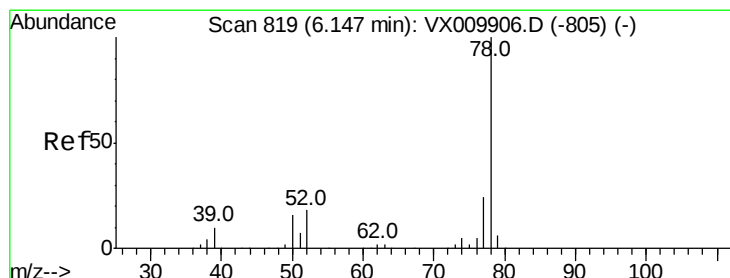
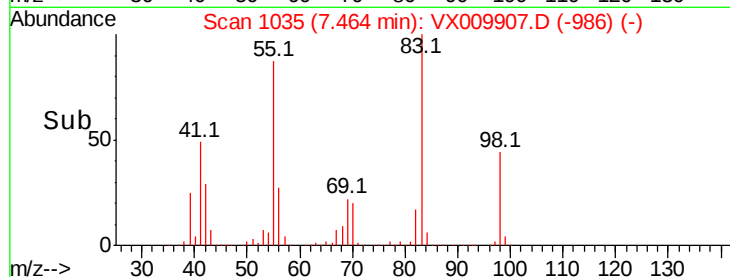
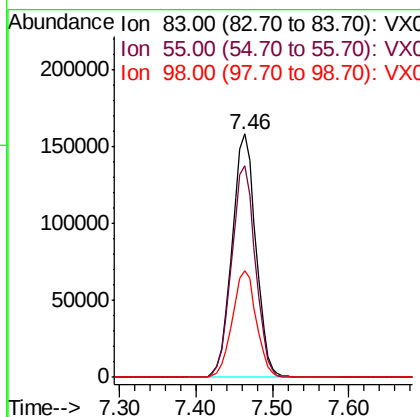
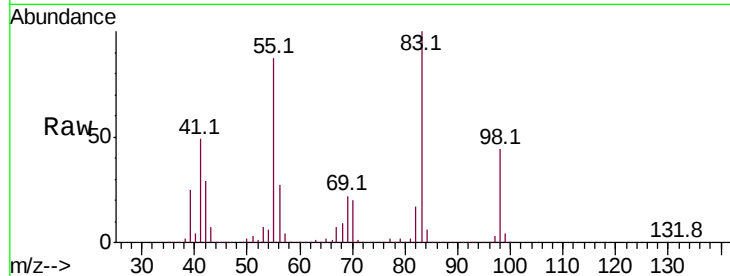
#39
Methvlcvclohexane
Concen: 108.759 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.7	69.9	104.9
98	43.8	35.1	52.7

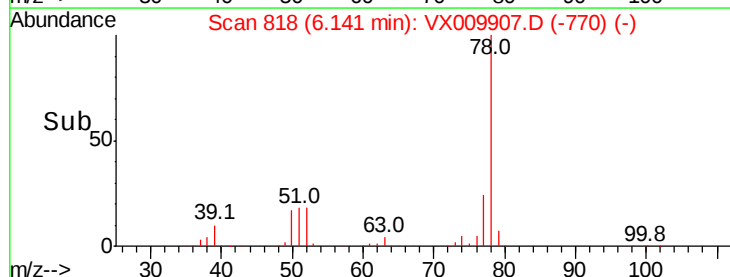
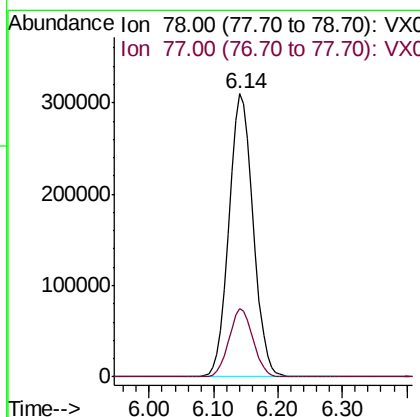
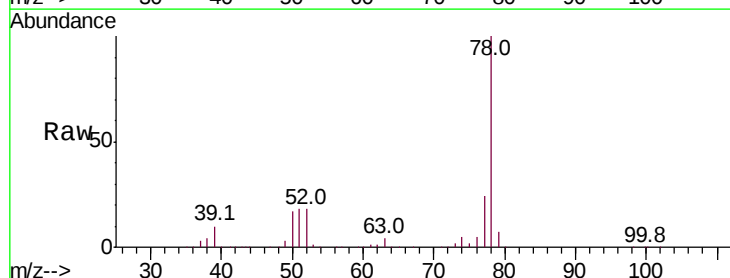
Manual Integrations
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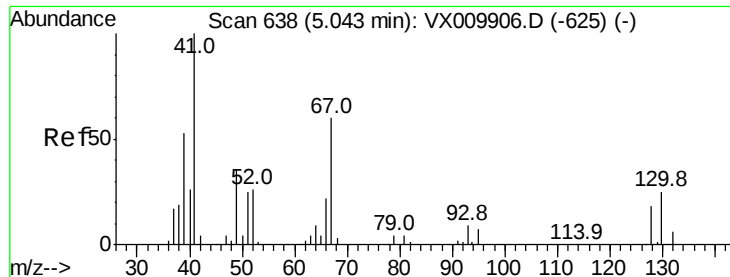
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#40
Benzene
Concen: 104.029 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





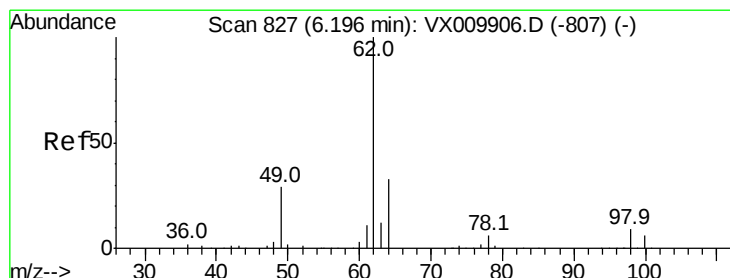
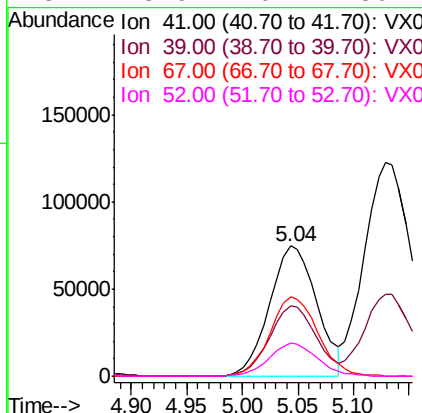
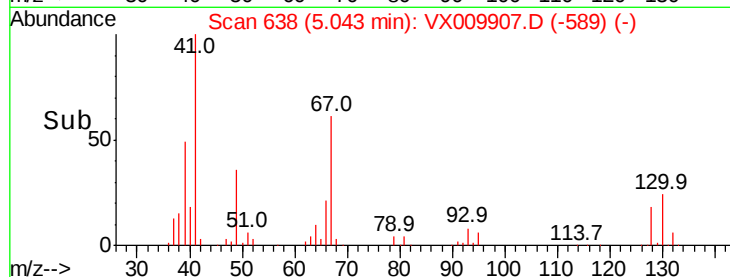
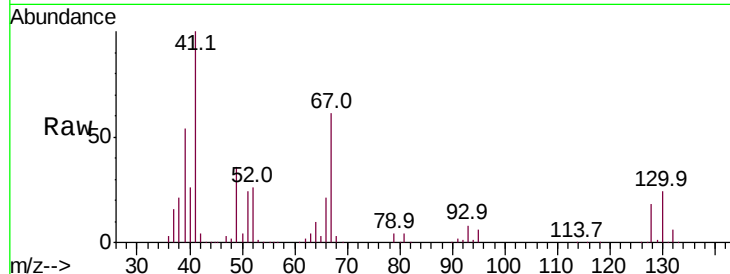
#41
Methacrylonitrile
Concen: 104.302 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		220410		
39	53.5	42.2	63.4		
67	61.9	48.9	73.3		
52	25.9	20.1	30.1		

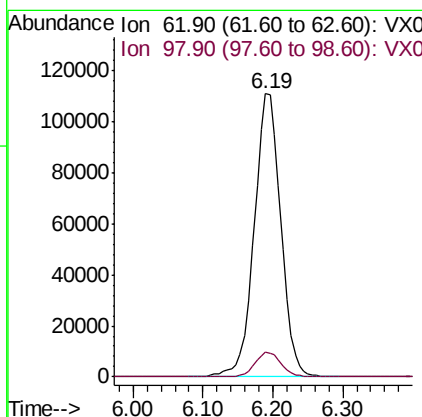
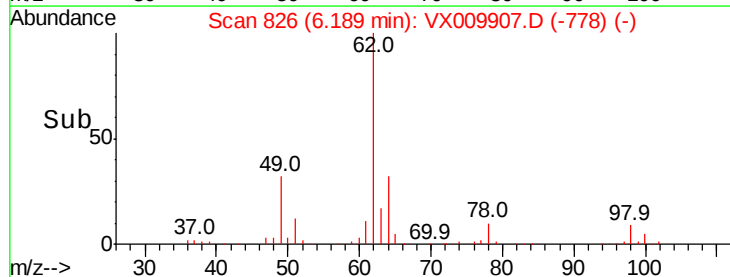
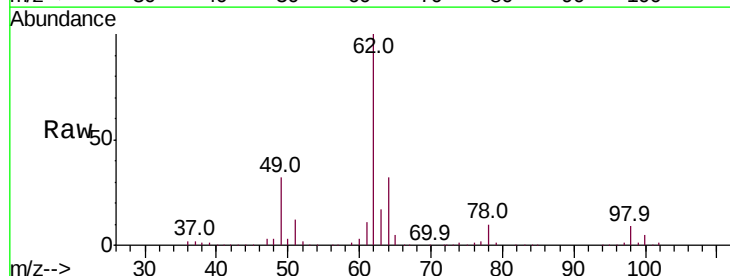
Manual Integrations
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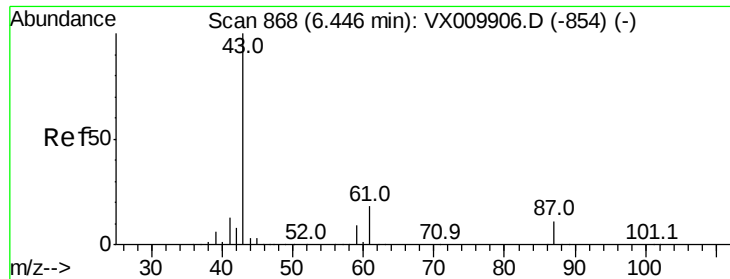
MMDadoda
5/29/2019 9:24:54 AM



#42
1,2-Dichloroethane
Concen: 103.266 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		292327		
98	8.6	0.0	17.2		





#43

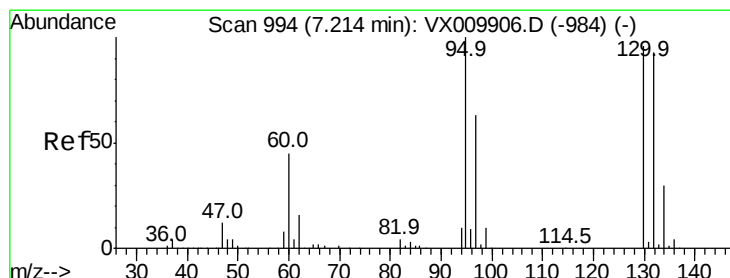
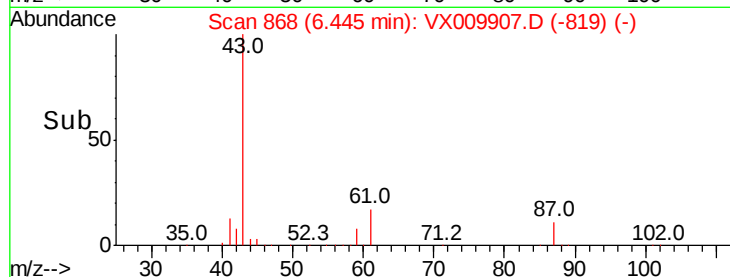
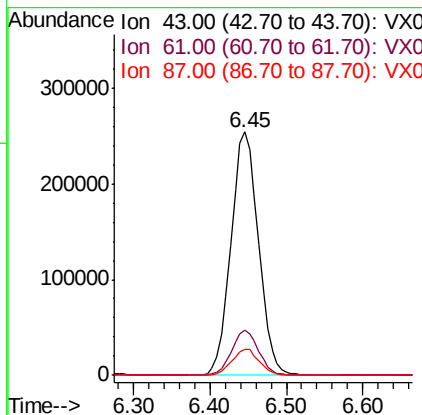
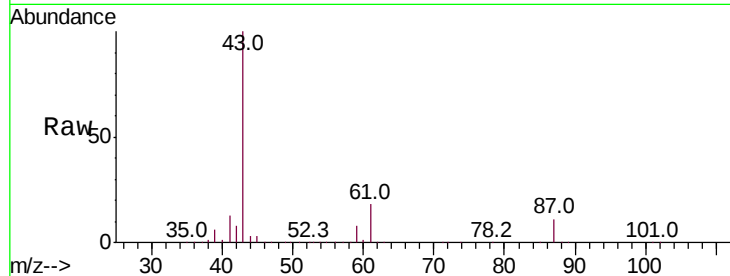
Isopropyl Acetate
 Concen: 110.649 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009907.D
 Acq: 28 May 2019 11:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.6	21.8
87	10.8	8.7	13.1

Manual Integrations
 APPROVED

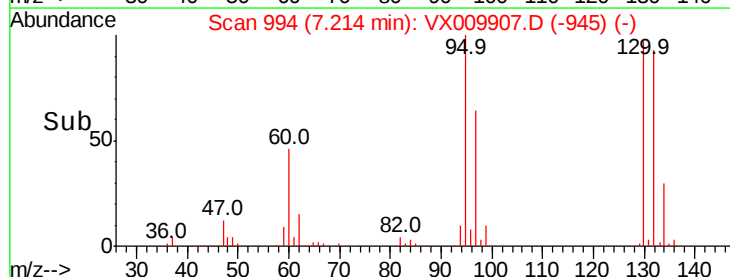
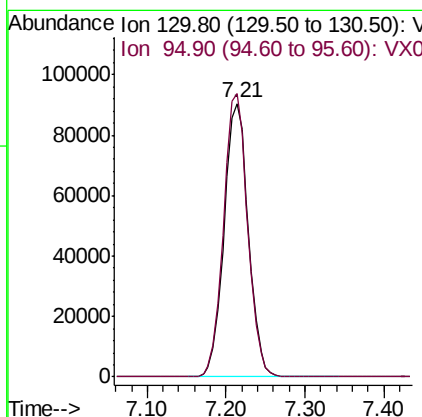
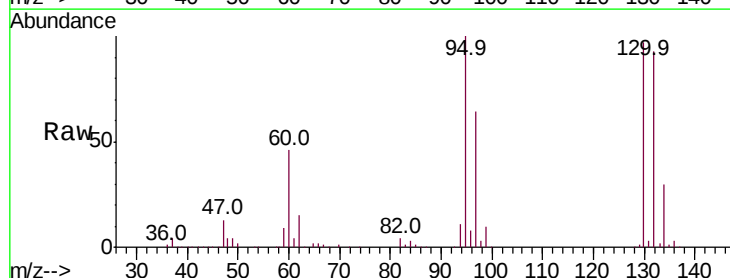
MMDadoda
 5/29/2019 9:24:54 AM

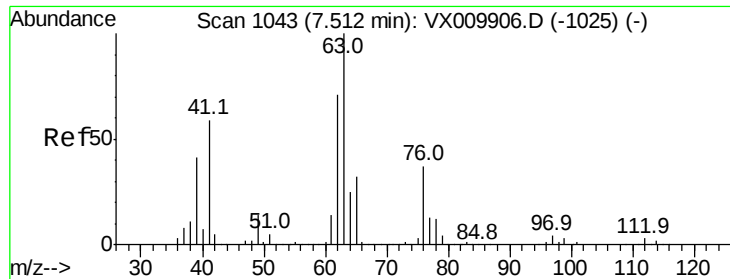


#44

Trichloroethene
 Concen: 102.277 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009907.D
 Acq: 28 May 2019 11:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	207.4





#45

1,2-Dichloropropane

Concen: 104.431 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 232382

Ion Ratio Lower Upper

63 100

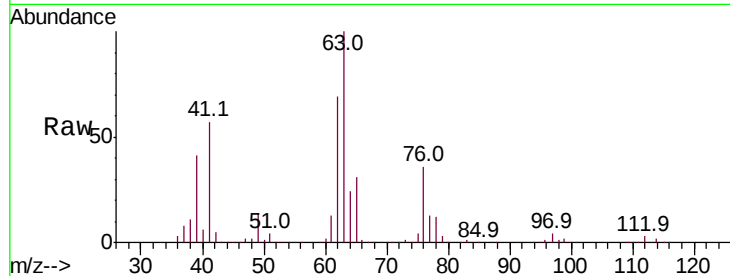
65 31.2 25.7 38.5

Manual Integrations

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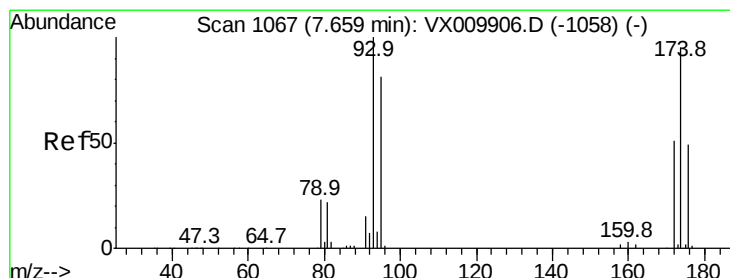
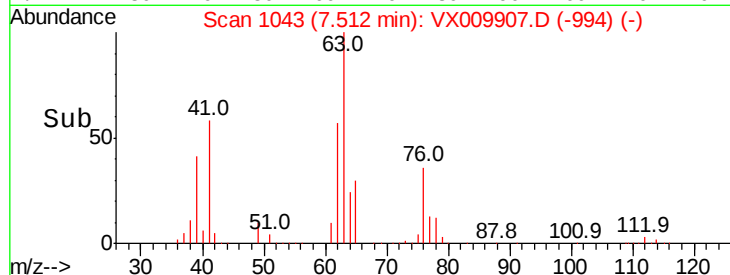
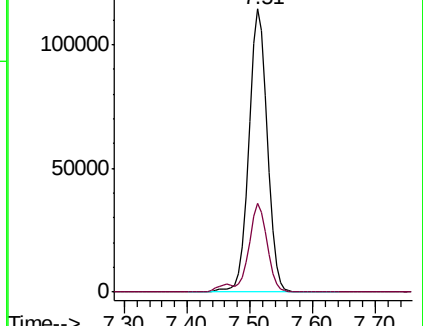
MMDadoda

5/29/2019 9:24:54 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 102.842 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

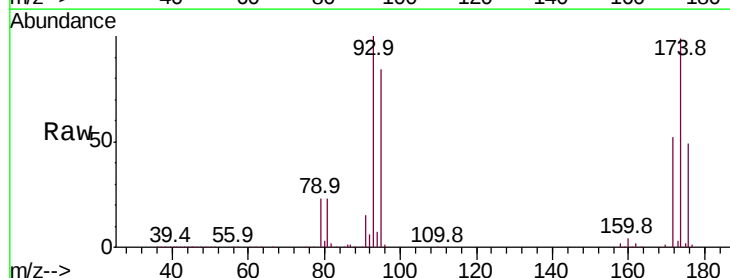
Tgt Ion: 93 Resp: 132823

Ion Ratio Lower Upper

93 100

95 83.1 66.8 100.2

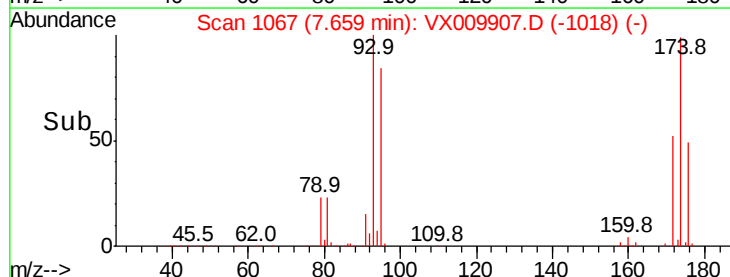
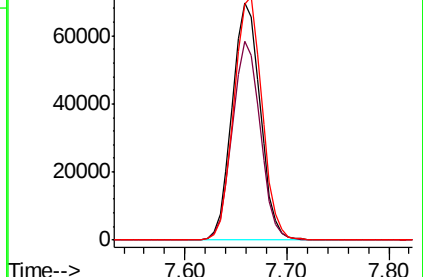
174 102.9 81.9 122.9

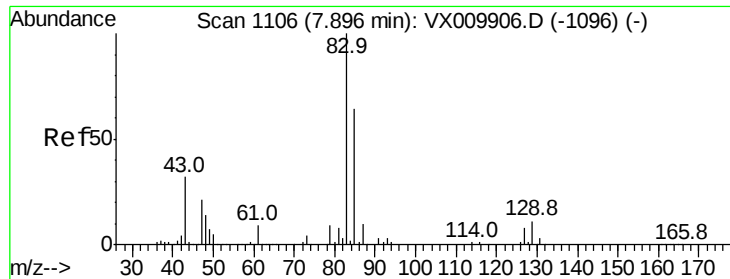


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





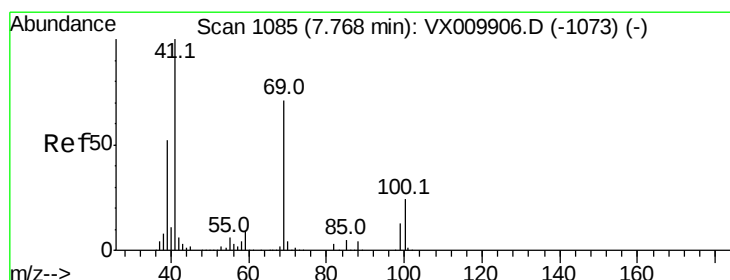
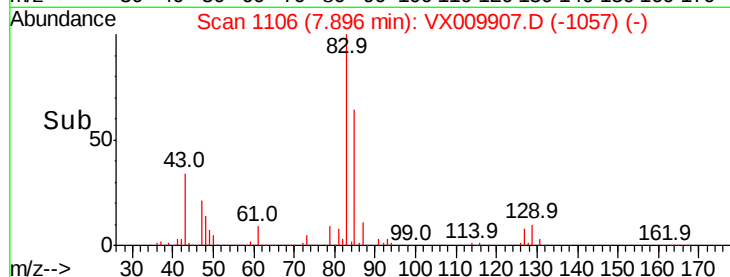
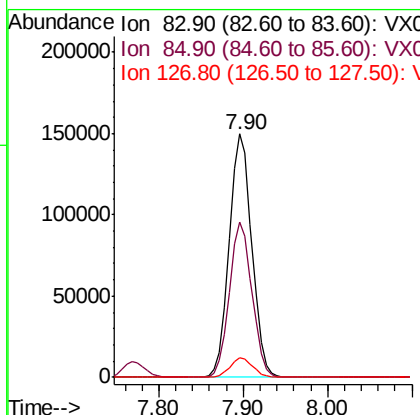
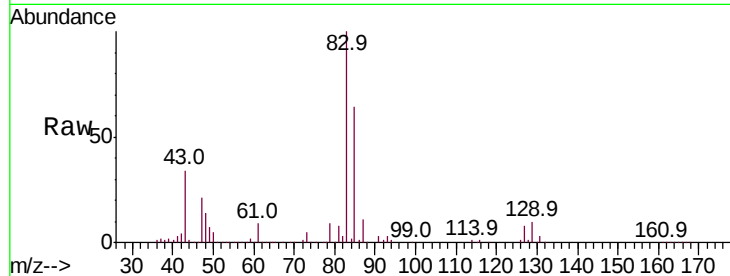
#47
Bromodichloromethane
Concen: 106.003 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	272589		
85	64.0		51.4	77.2
127	8.2		6.4	9.6

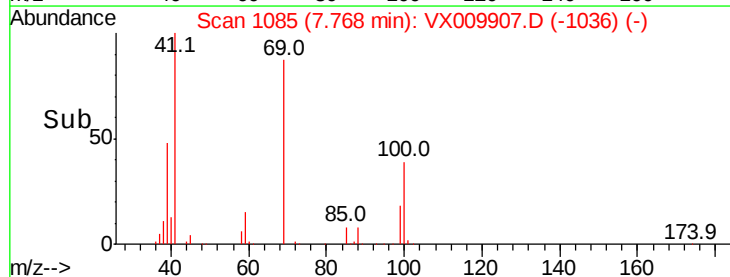
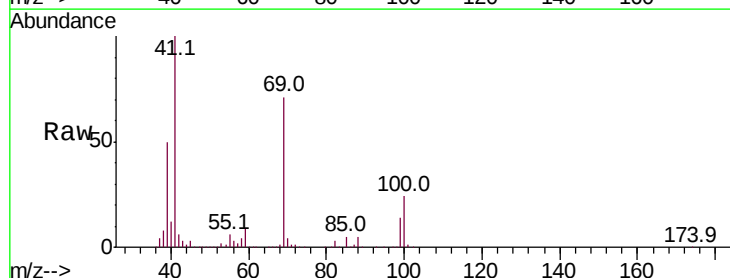
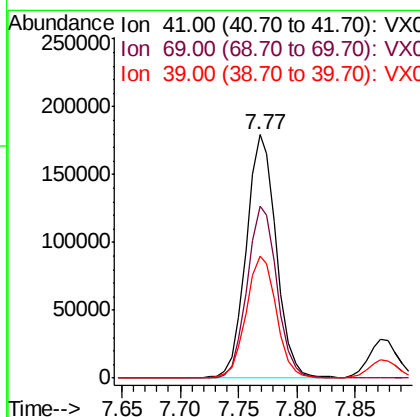
Manual Integrations
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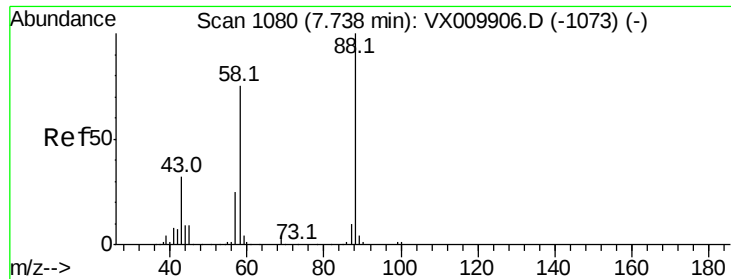
MMDadoda
5/29/2019 9:24:54 AM



#48
Methyl methacrylate
Concen: 113.412 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	321355		
69	70.7		56.4	84.6
39	50.5		40.6	60.8





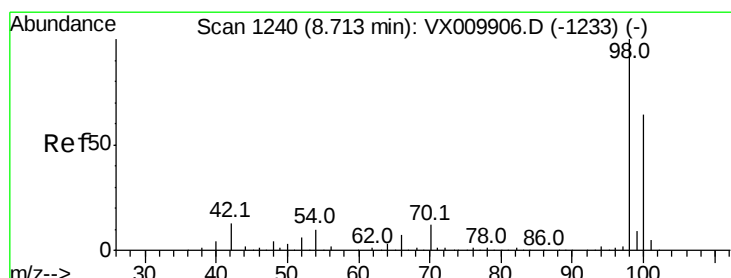
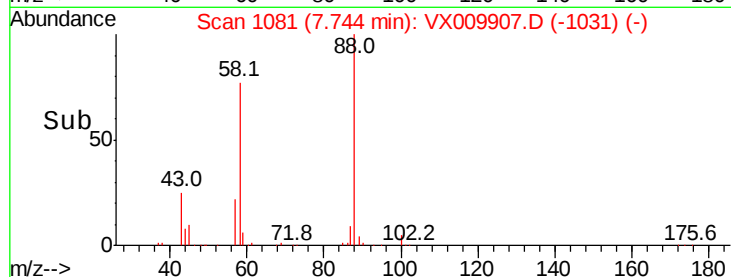
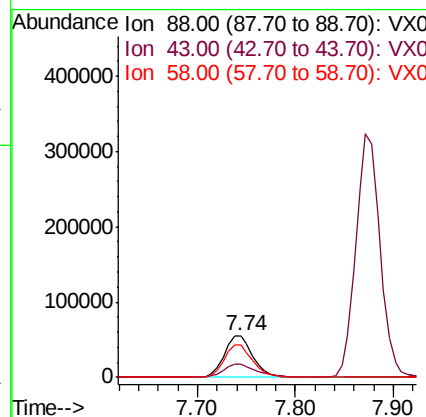
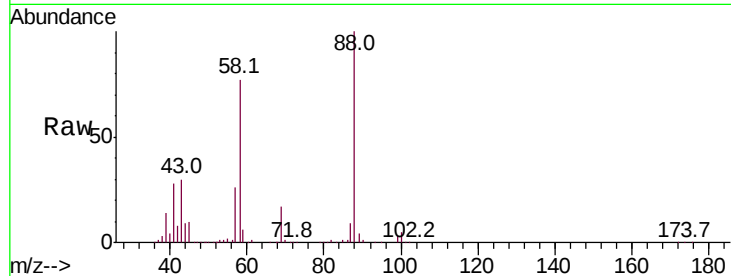
#49
1,4-Dioxane
Concen: 1955.871 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	37.4	30.2	45.4	
58	79.1	64.0	96.0	

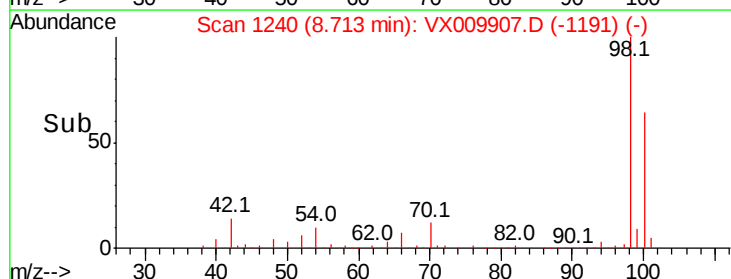
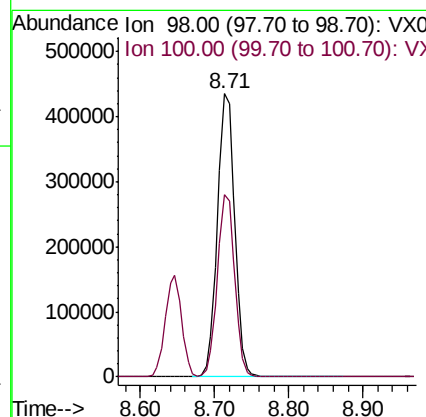
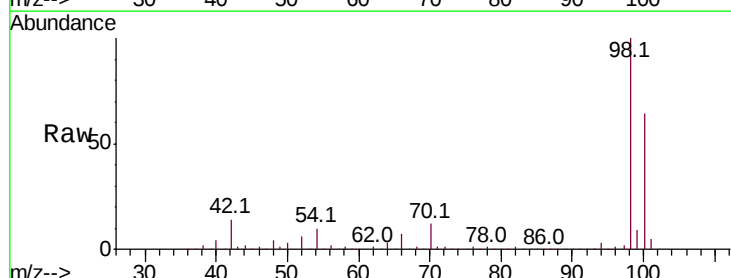
Manual Integrations
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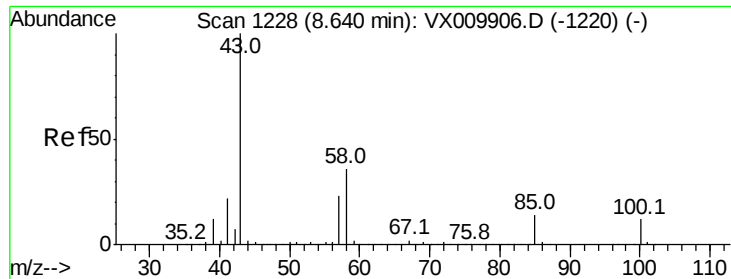
MMDadoda
5/29/2019 9:24:54 AM



#50
Toluene-d8
Concen: 101.710 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.3	51.5	77.3	





#51

4-Methyl-2-Pentanone

Concen: 543.651 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2027700

Ion Ratio Lower Upper

43 100

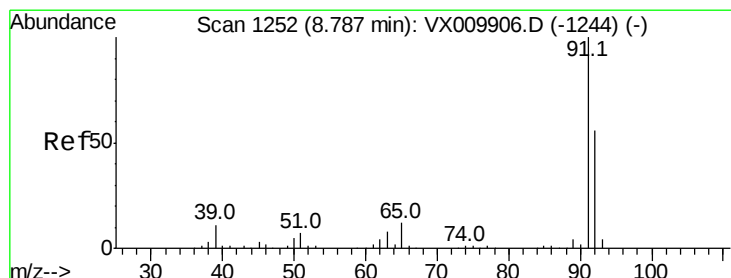
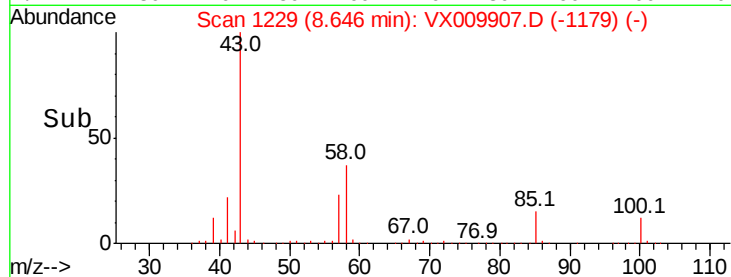
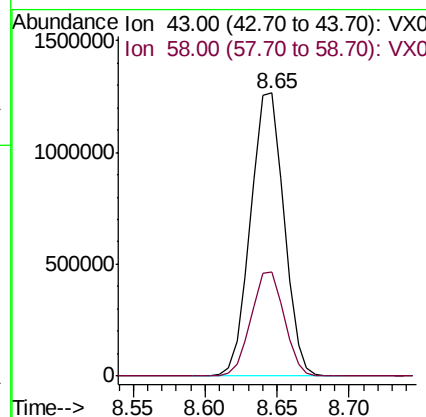
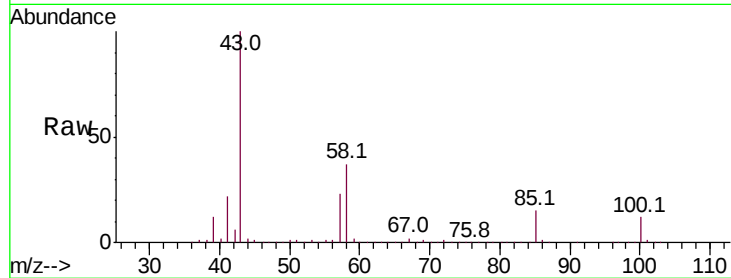
58 36.4 28.8 43.2

Manual Integrations

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MMDadoda

5/29/2019 9:24:54 AM



#52

Toluene

Concen: 104.573 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009907.D

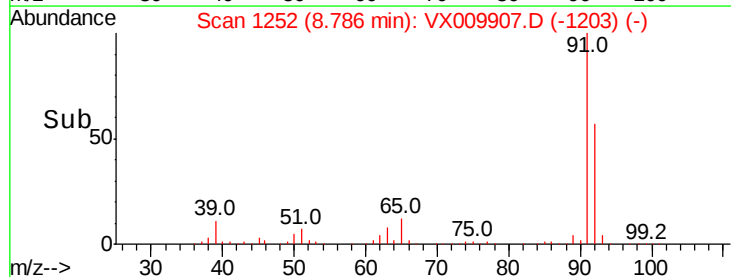
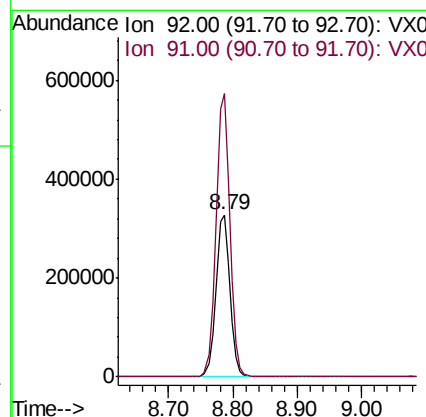
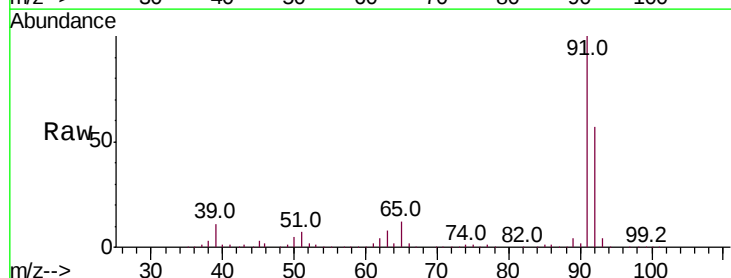
Acq: 28 May 2019 11:30

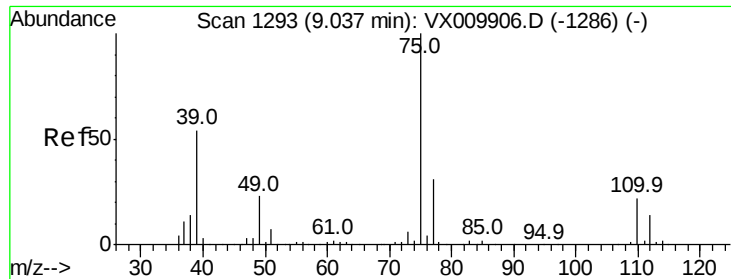
Tgt Ion: 92 Resp: 499777

Ion Ratio Lower Upper

92 100

91 174.0 139.9 209.9





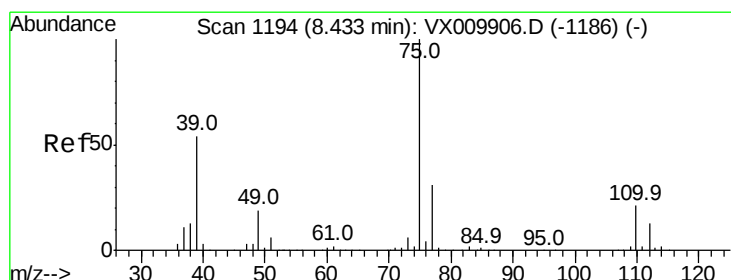
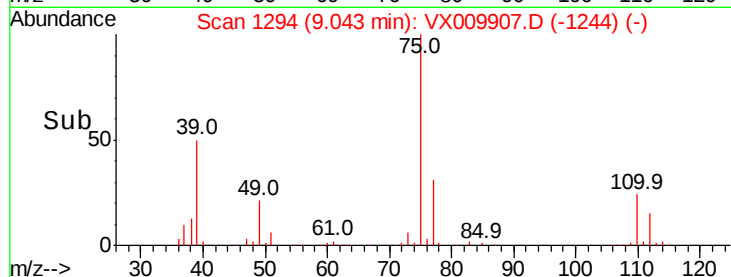
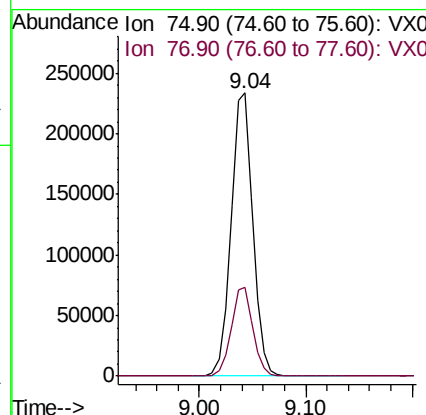
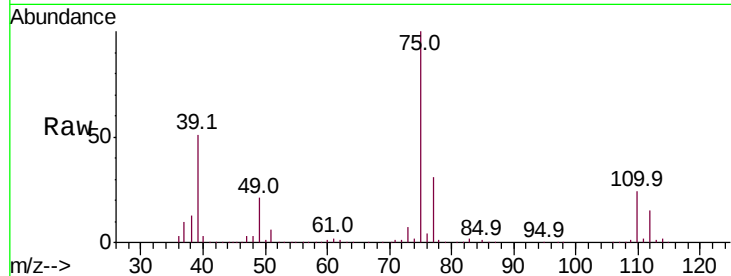
#53
 t-1,3-Dichloropropene
 Concen: 114.120 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.01 min
 Lab File: VX009907.D
 Acq: 28 May 2019 11:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion: 75 Resp: 333965
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.6 36.8

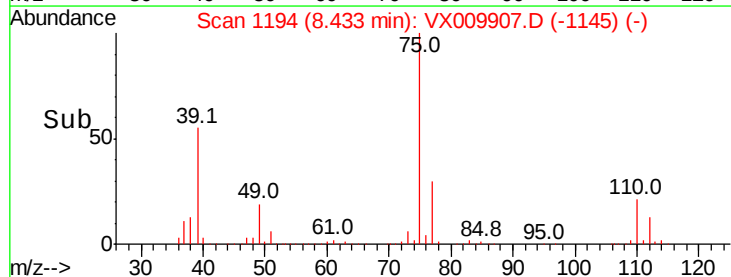
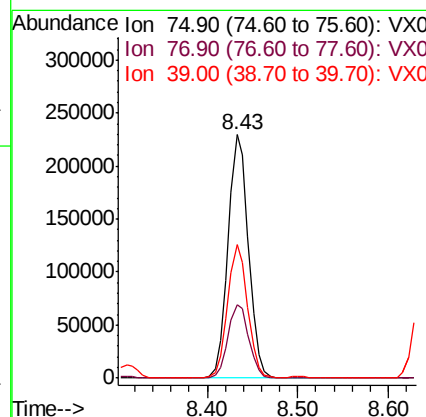
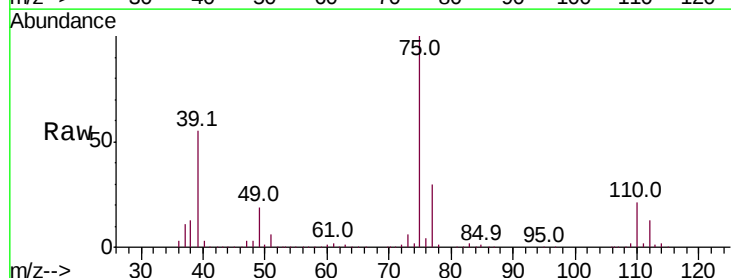
Manual Integrations
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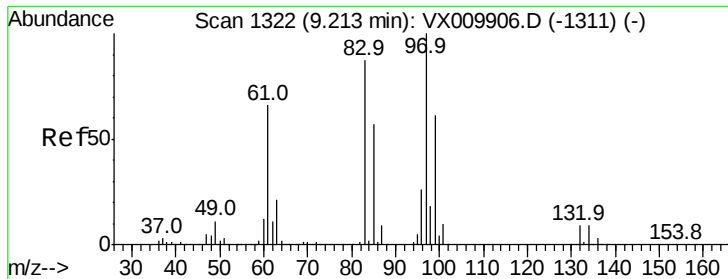
MMDadoda
 5/29/2019 9:24:54 AM



#54
 cis-1,3-Dichloropropene
 Concen: 111.134 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009907.D
 Acq: 28 May 2019 11:30

Tgt Ion: 75 Resp: 358586
 Ion Ratio Lower Upper
 75 100
 77 30.4 24.8 37.2
 39 54.7 43.4 65.0





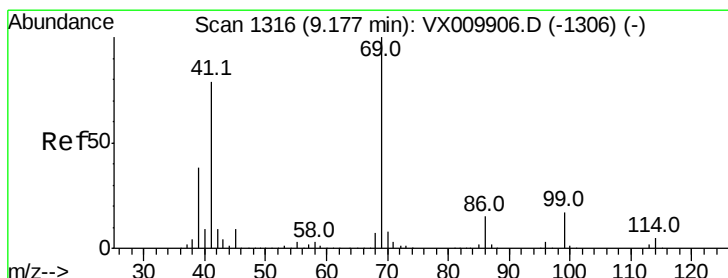
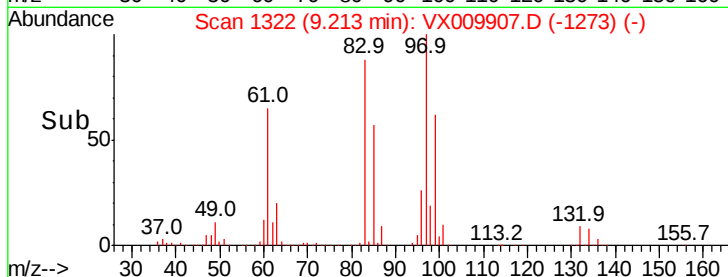
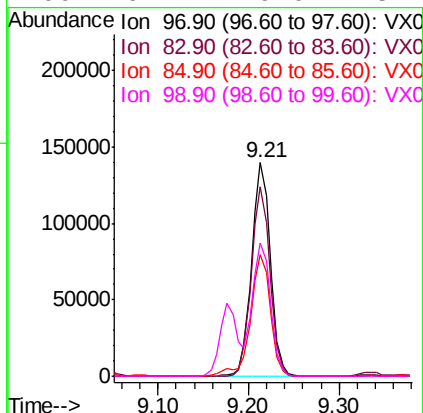
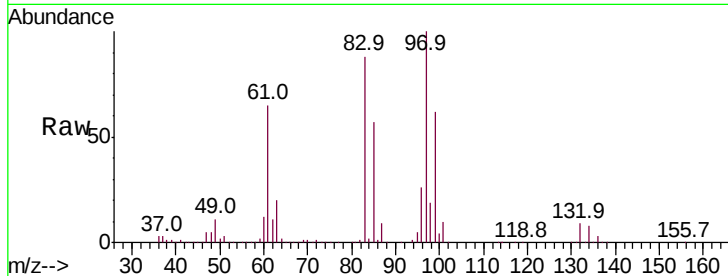
#55
 1,1,2-Trichloroethane
 Concen: 103.263 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009907.D
 Acq: 28 May 2019 11:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	200306
Ion	Ratio	Lower	Upper
97	100		
83	88.5	69.8	104.8
85	56.8	45.3	67.9
99	62.1	49.0	73.4

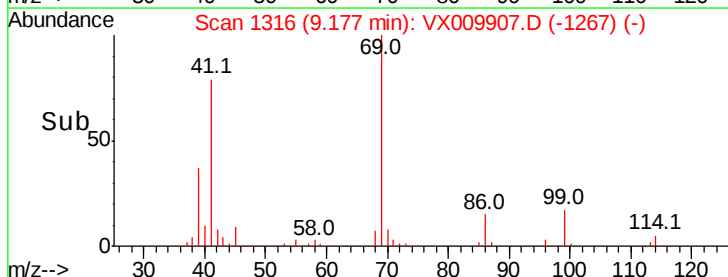
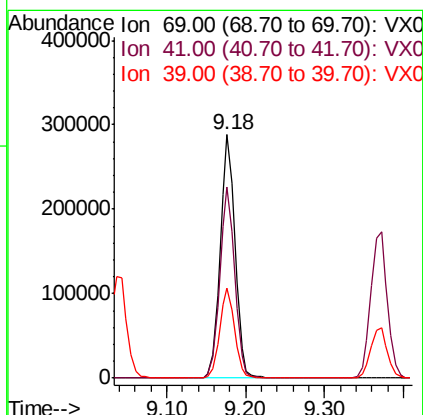
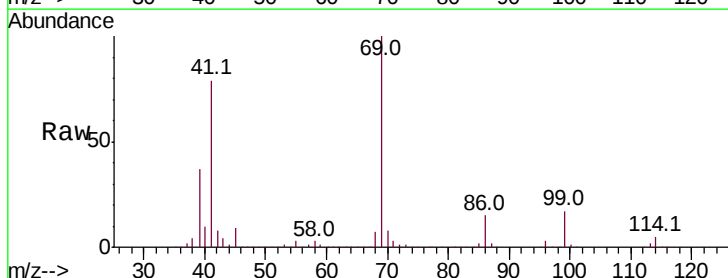
Manual Integrations
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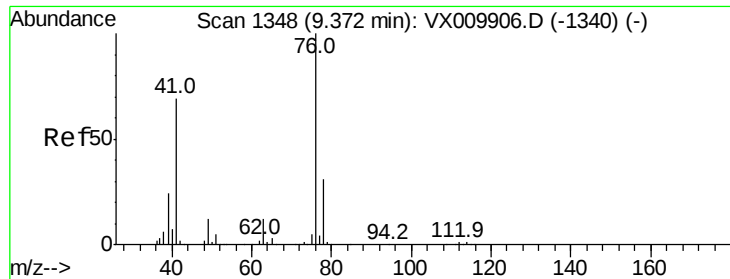
MMDadoda
 5/29/2019 9:24:54 AM



#56
 Ethyl methacrylate
 Concen: 108.579 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009907.D
 Acq: 28 May 2019 11:30

Tgt Ion:	69	Resp:	378659
Ion	Ratio	Lower	Upper
69	100		
41	78.6	62.7	94.1
39	37.0	29.5	44.3





#57

1,3-Dichloropropane

Concen: 104.157 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 76 Resp: 357110

Ion Ratio Lower Upper

76 100

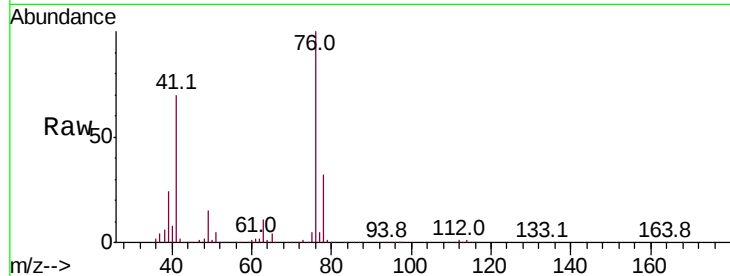
78 31.9 25.4 38.0

Manual Integrations

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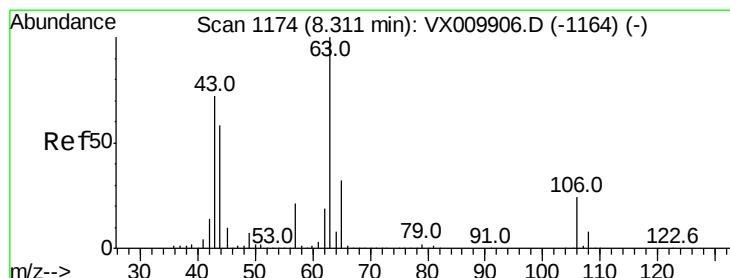
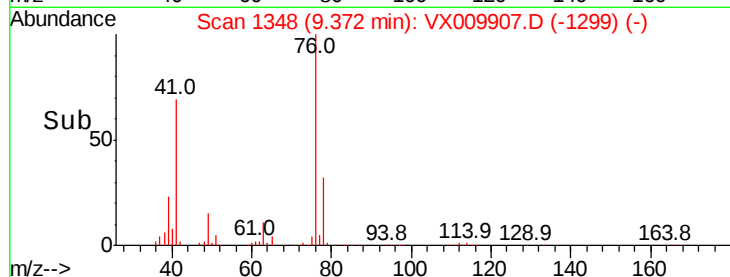
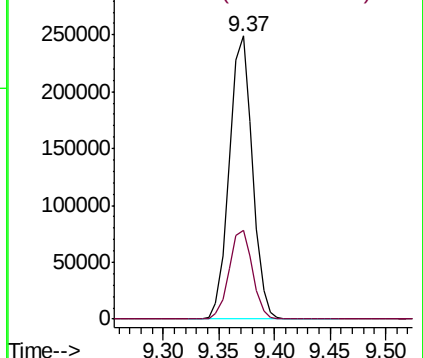
MMDadoda

5/29/2019 9:24:54 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 527.130 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009907.D

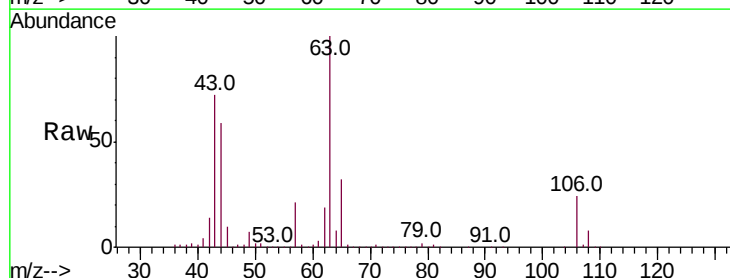
Acq: 28 May 2019 11:30

Tgt Ion: 63 Resp: 965123

Ion Ratio Lower Upper

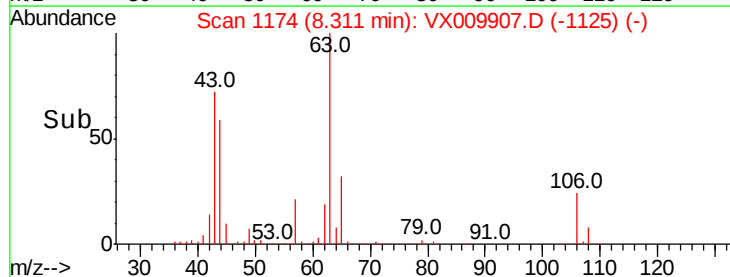
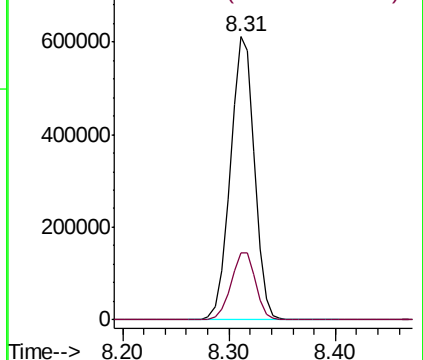
63 100

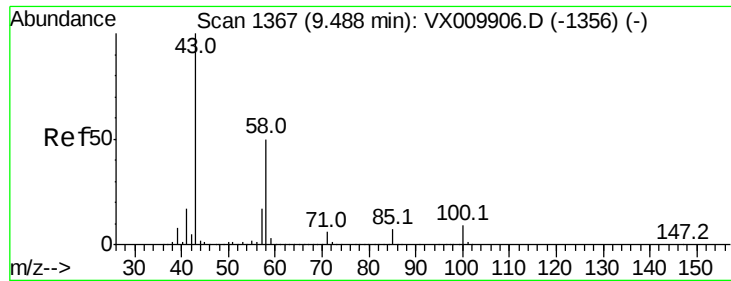
106 24.3 19.4 29.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





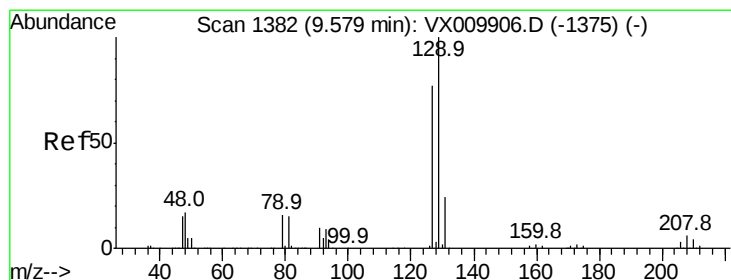
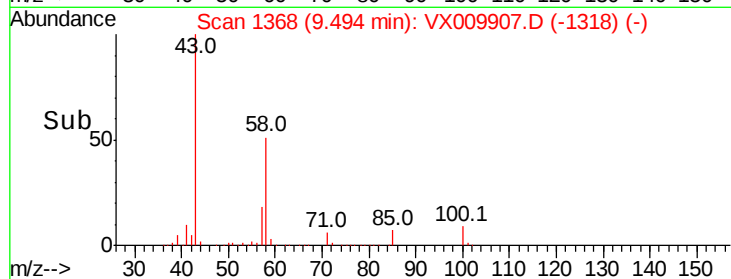
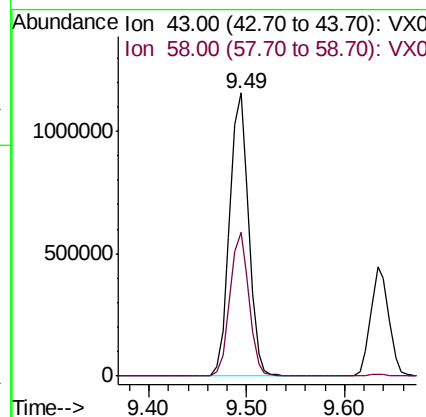
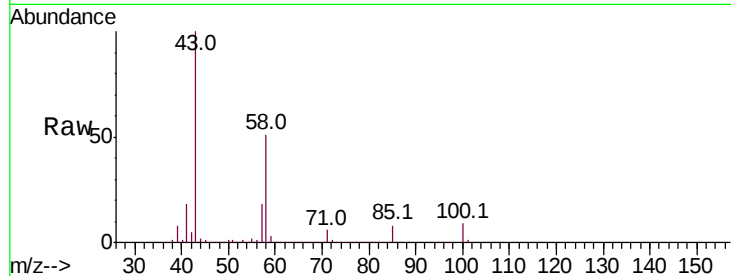
#59
2-Hexanone
Concen: 532.272 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1557776
Ion Ratio Lower Upper
43 100
58 50.6 25.1 75.3

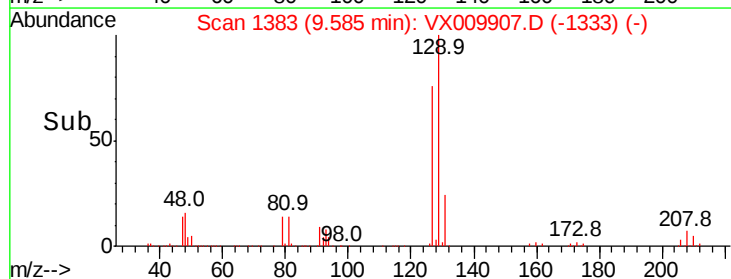
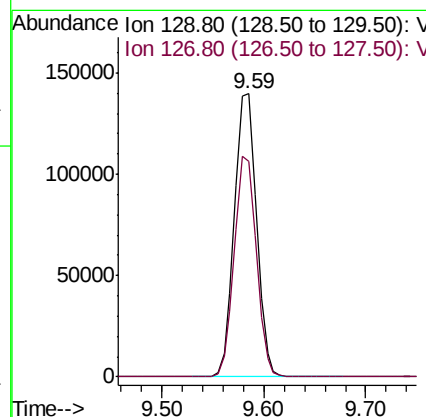
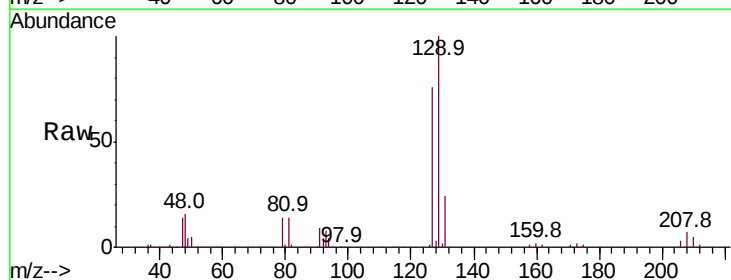
Manual Integrations
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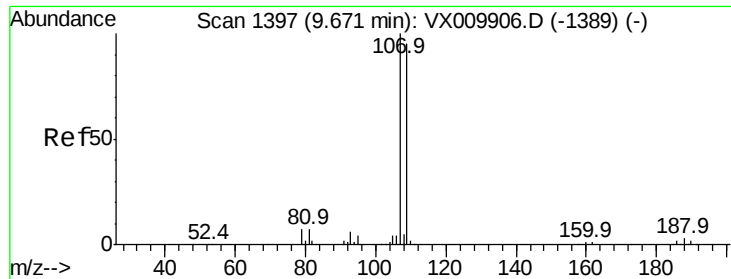
MMDadoda
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#60
Dibromochloromethane
Concen: 110.223 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Tgt Ion: 129 Resp: 209625
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 105.913 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 207724

Ion Ratio Lower Upper

107 100

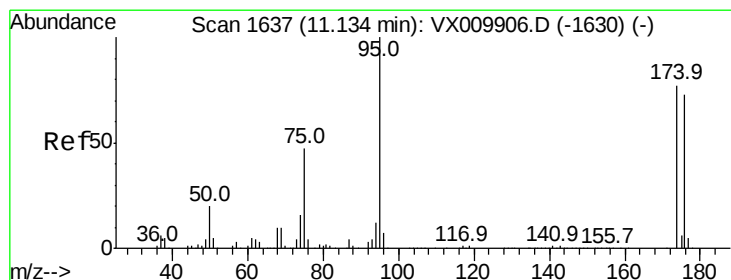
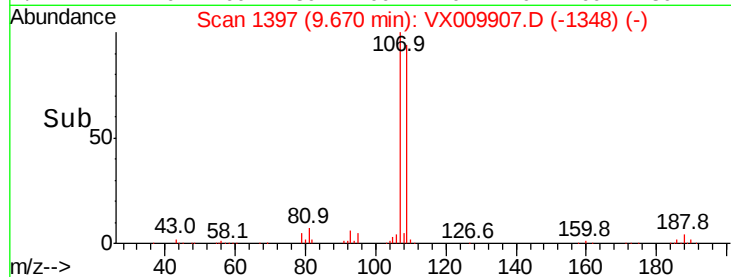
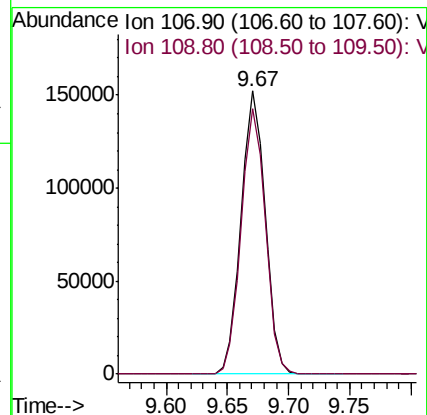
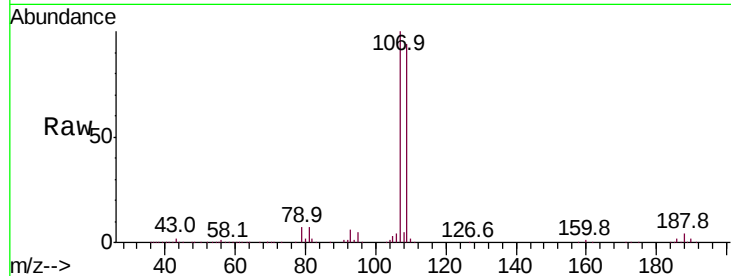
109 94.3 75.4 113.2

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#62

4-Bromofluorobenzene

Concen: 102.864 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

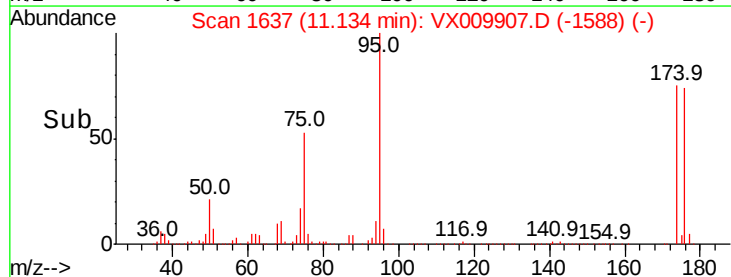
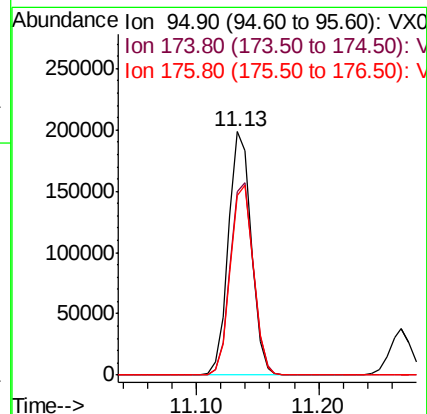
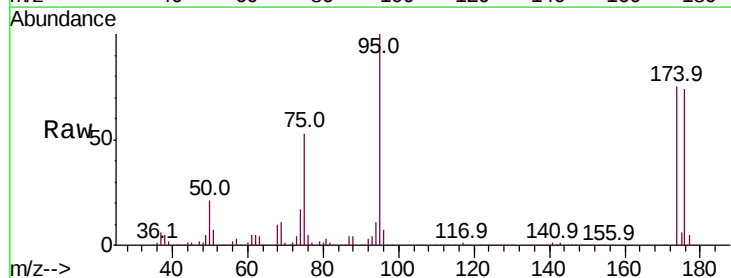
Tgt Ion: 95 Resp: 255706

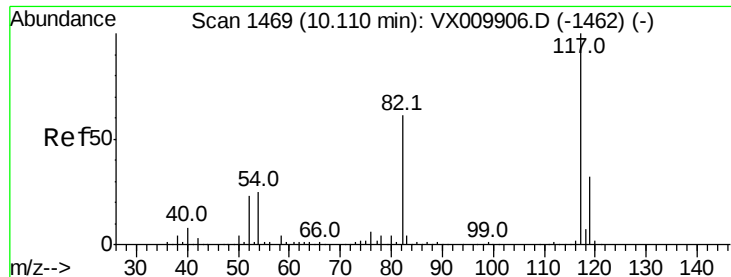
Ion Ratio Lower Upper

95 100

174 80.1 0.0 160.4

176 78.8 0.0 154.6





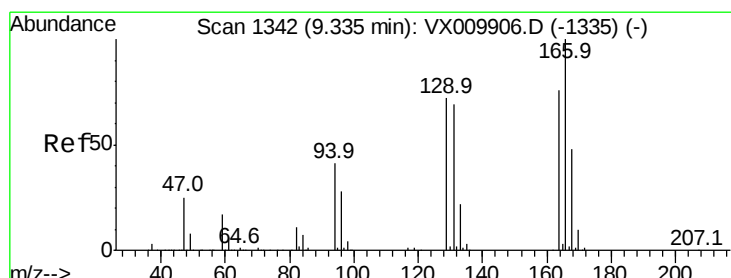
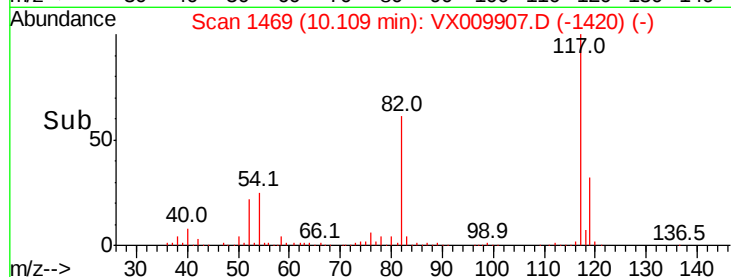
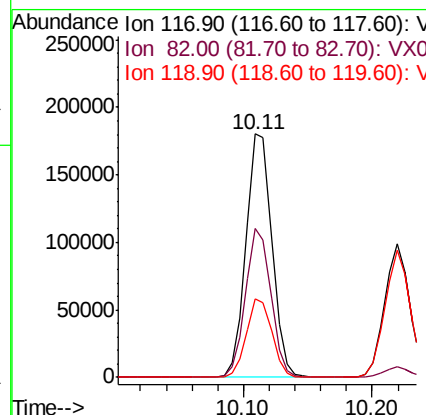
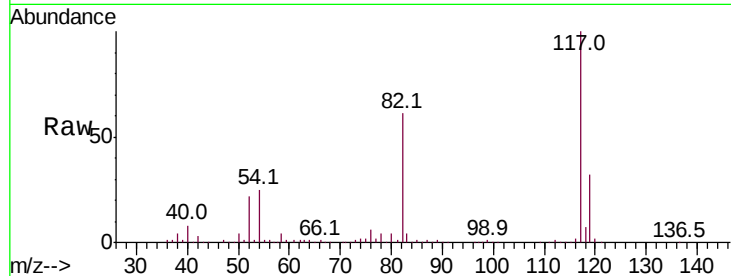
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	250690		
82	61.2	49.2	73.8	
119	32.4	25.2	37.8	

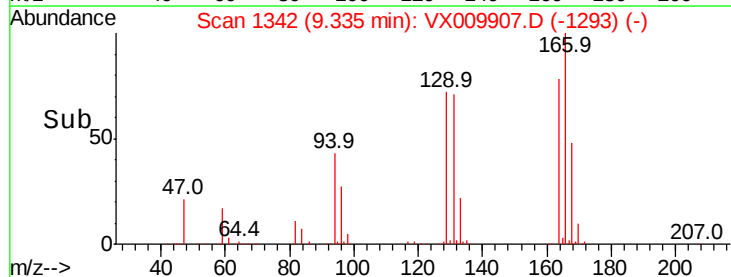
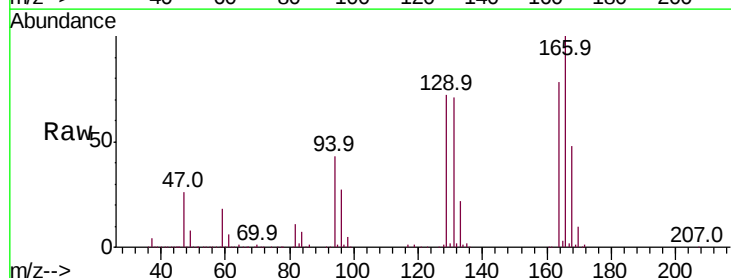
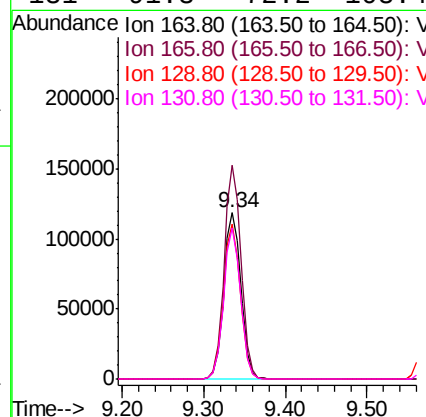
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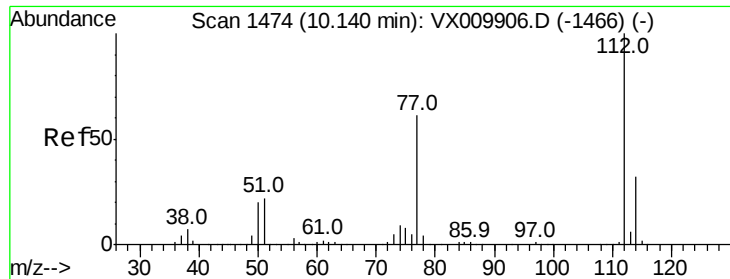
MMDadoda
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#64
Tetrachloroethene
Concen: 100.317 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	173843		
166	128.5	105.0	157.4	
129	93.0	75.1	112.7	
131	91.3	72.2	108.4	





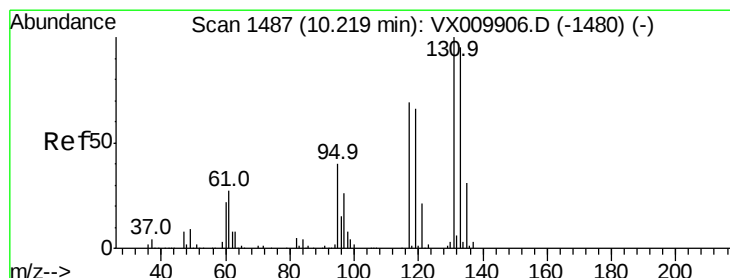
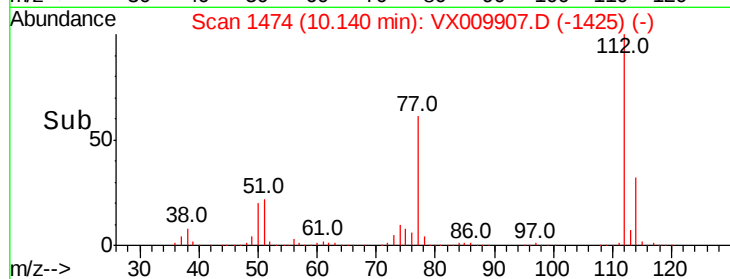
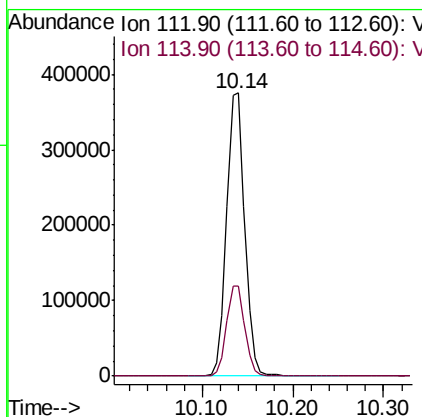
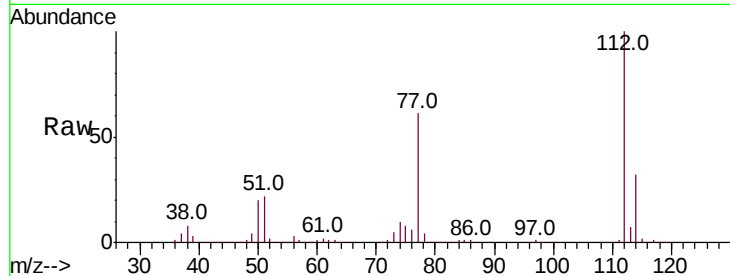
#65
Chlorobenzene
Concen: 103.270 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 521085
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.8

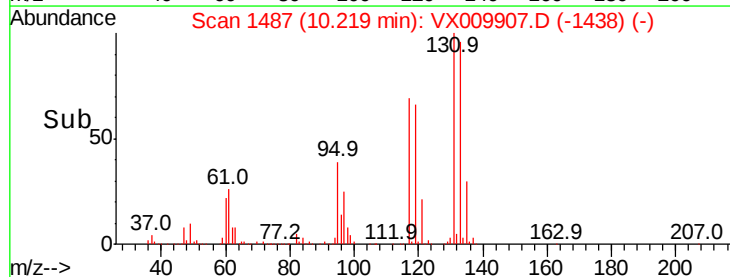
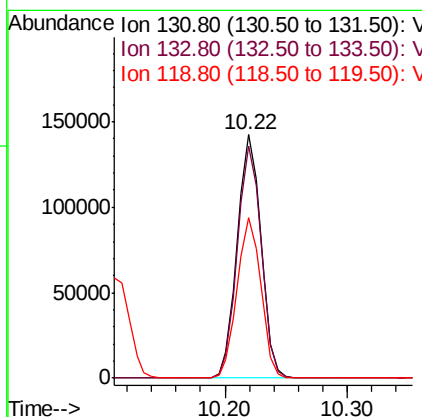
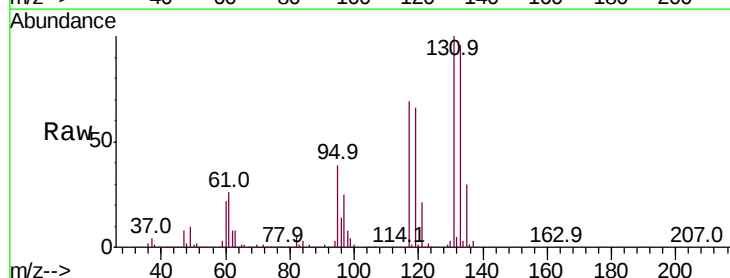
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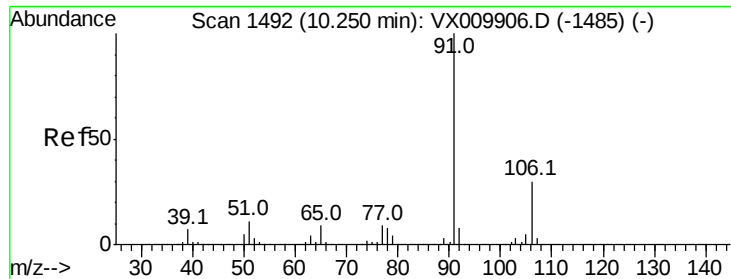
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#66
1,1,1,2-Tetrachloroethane
Concen: 104.250 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Tgt Ion:131 Resp: 190460
Ion Ratio Lower Upper
131 100
133 95.8 47.5 142.6
119 66.5 33.4 100.1





#67

Ethyl Benzene

Concen: 104.651 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 972145

Ion Ratio Lower Upper

91 100

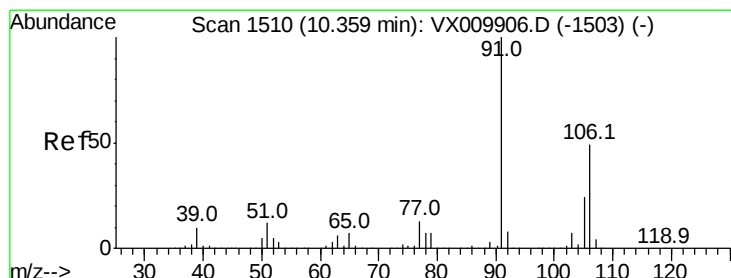
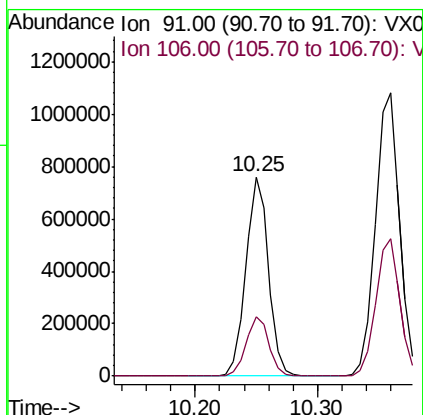
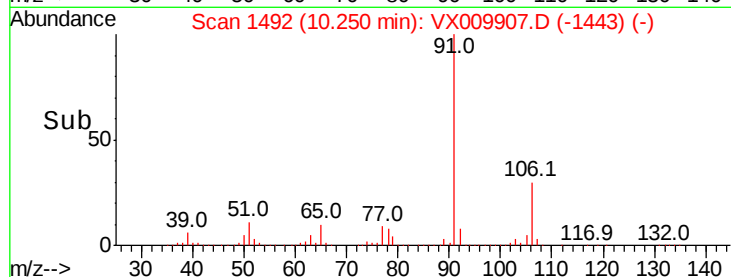
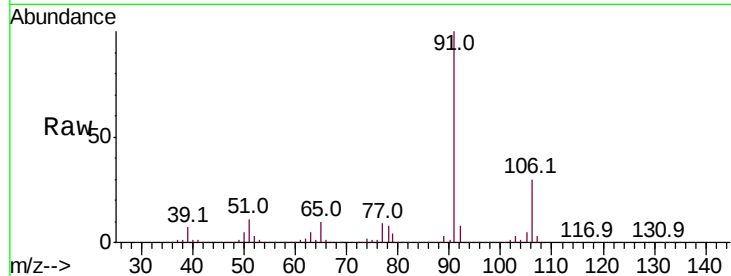
106 29.8 23.9 35.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 211.276 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009907.D

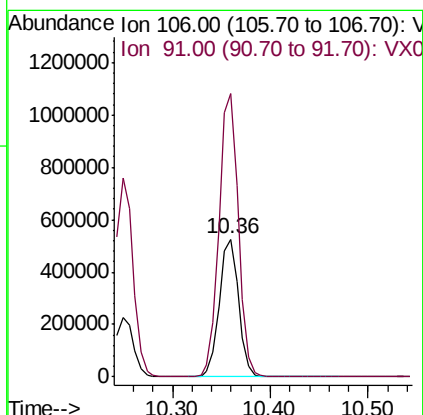
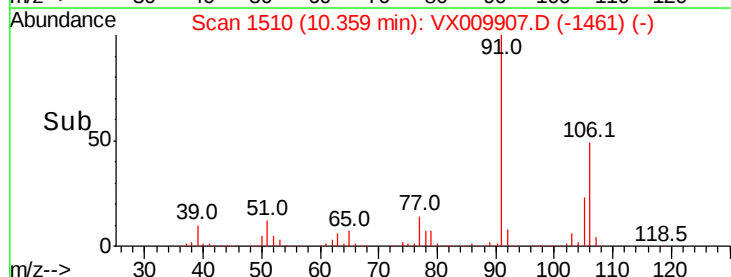
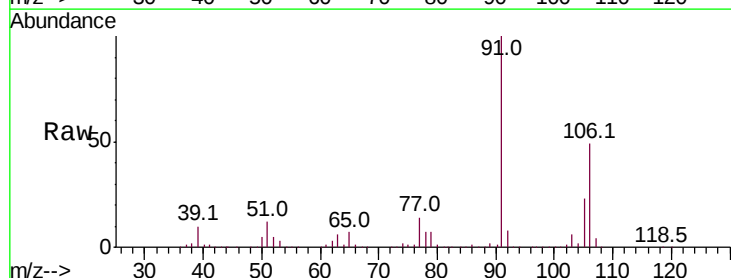
Acq: 28 May 2019 11:30

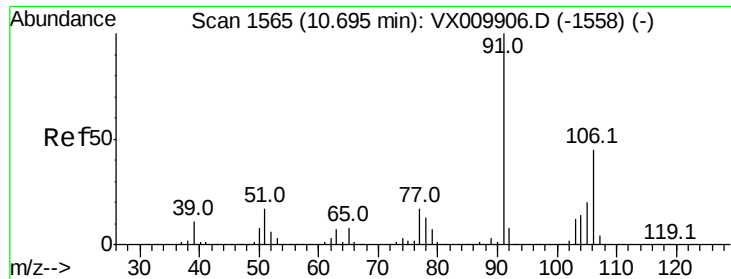
Tgt Ion: 106 Resp: 717907

Ion Ratio Lower Upper

106 100

91 206.9 167.3 250.9





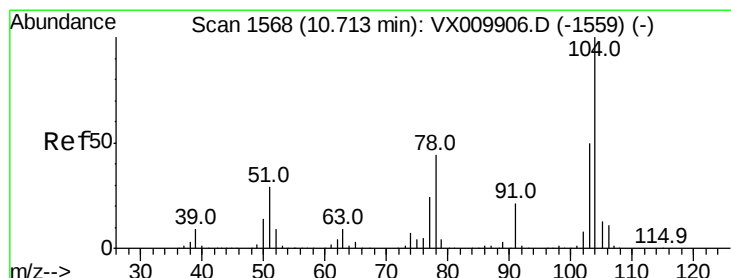
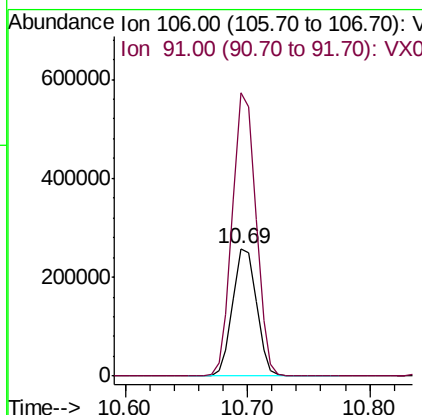
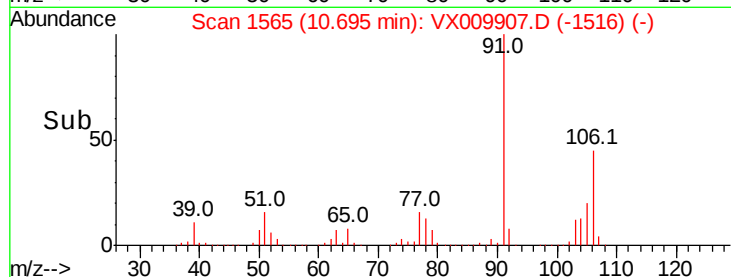
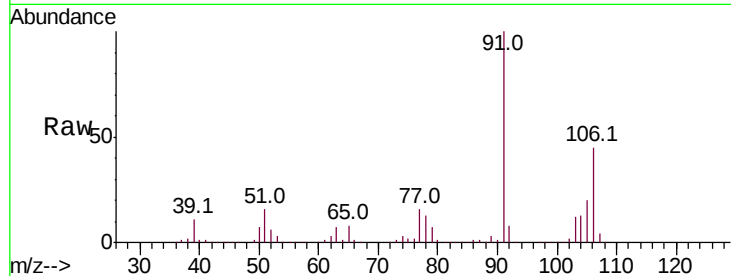
#69
o-Xylene
Concen: 103.555 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 346958
Ion Ratio Lower Upper
106 100
91 220.3 110.4 331.2

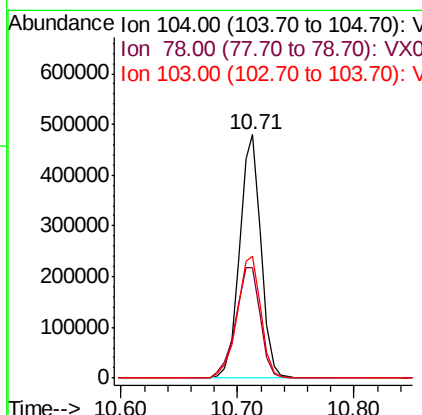
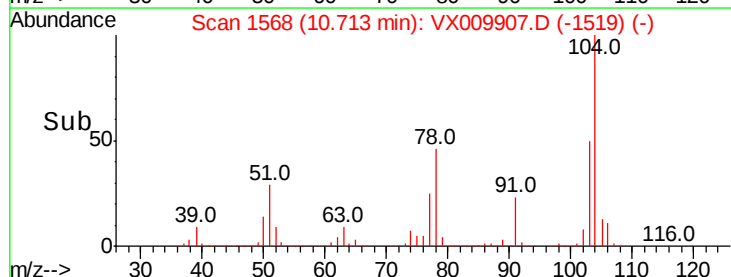
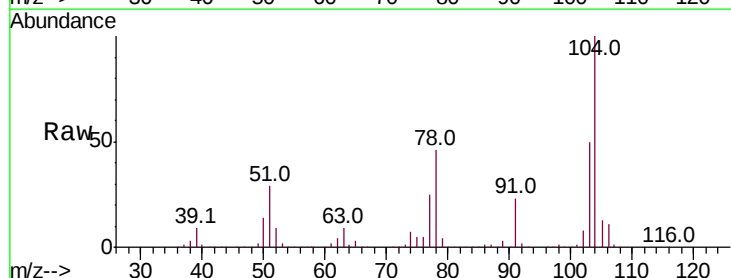
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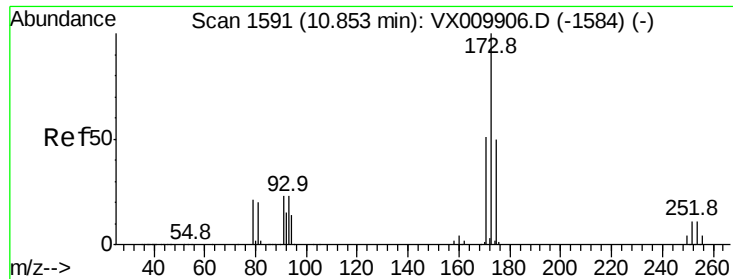
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#70
Styrene
Concen: 105.088 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Tgt Ion:104 Resp: 610406
Ion Ratio Lower Upper
104 100
78 52.9 42.1 63.1
103 55.6 44.1 66.1





#71

Bromoform

Concen: 108.828 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 161826

Ion Ratio Lower Upper

173 100

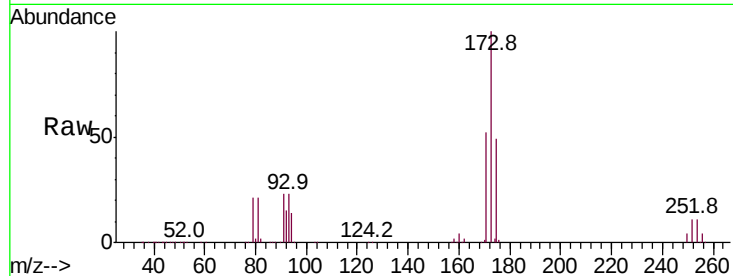
175 48.8 25.0 75.0

254 0.2 0.2 0.2

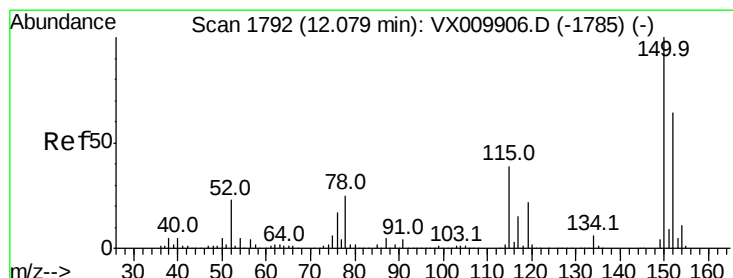
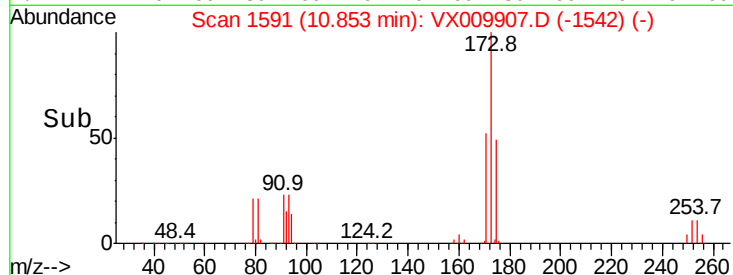
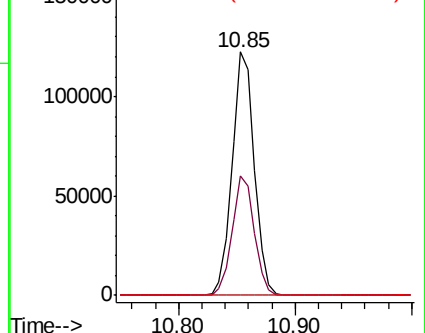
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

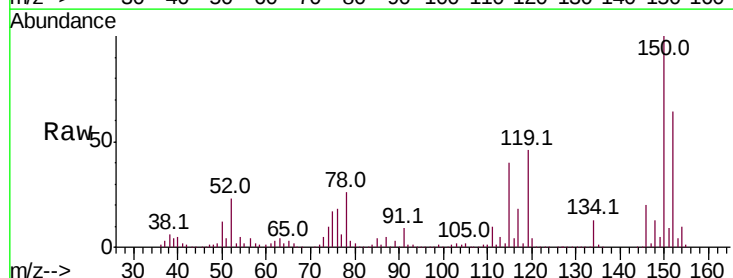
Tgt Ion:152 Resp: 123032

Ion Ratio Lower Upper

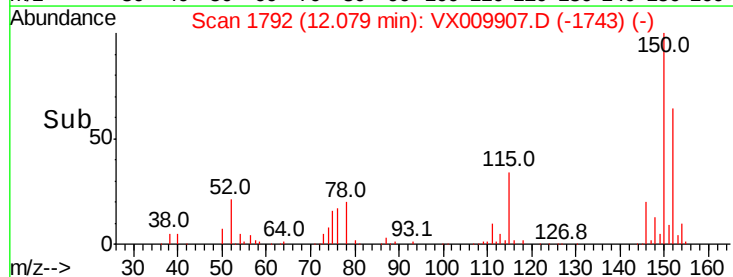
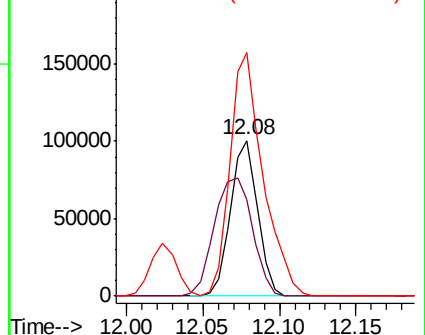
152 100

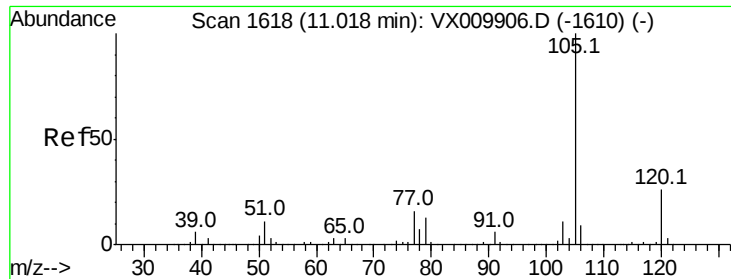
115 108.1 41.4 124.2

150 191.5 0.0 345.2



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





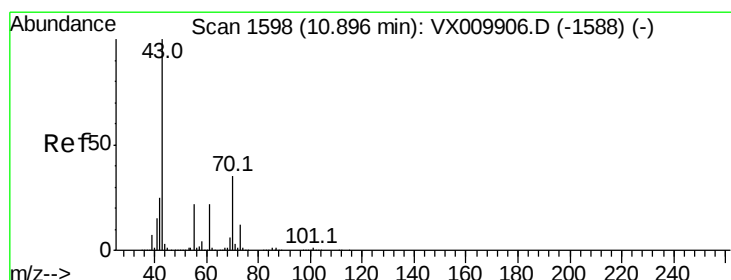
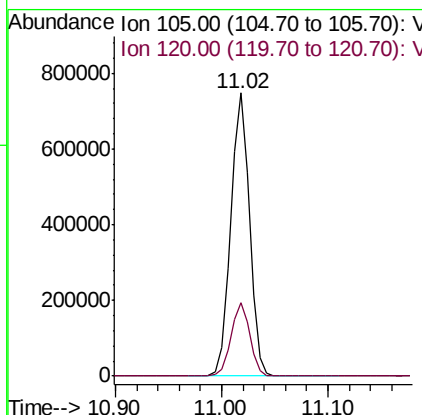
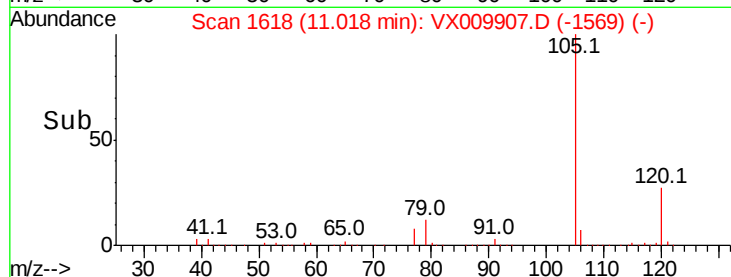
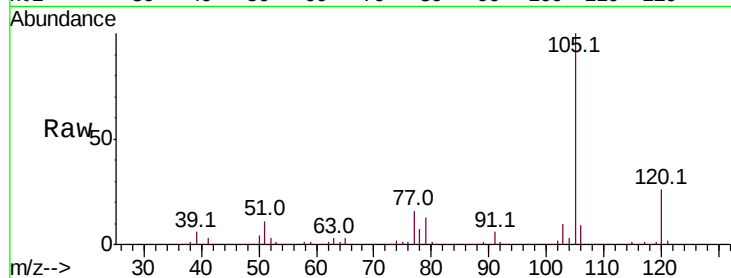
#73
Isopropylbenzene
Concen: 102.909 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion:105 Resp: 926422
Ion Ratio Lower Upper
105 100
120 25.9 12.8 38.4

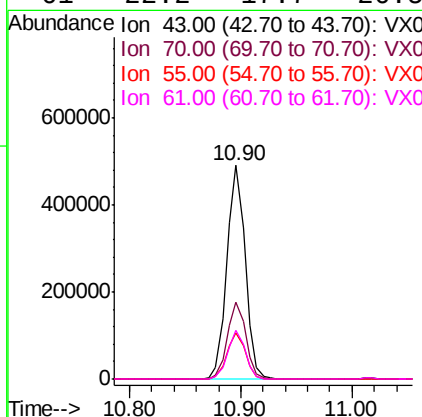
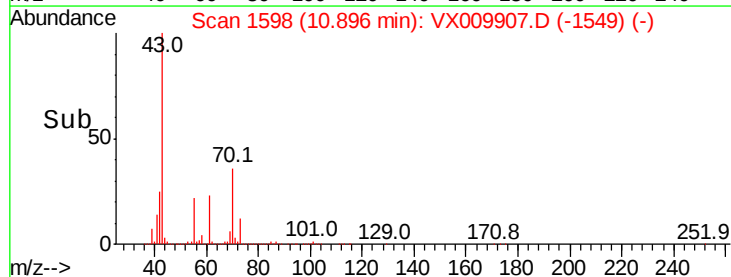
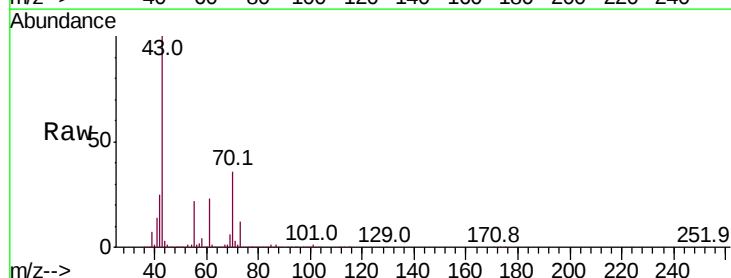
Manual Integrations
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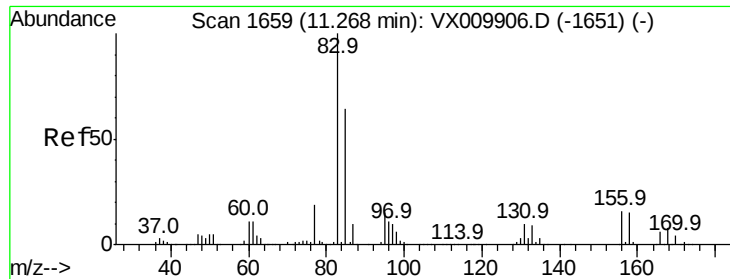
MMDadoda
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#74
N-ethyl acetate
Concen: 105.961 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Tgt Ion: 43 Resp: 558071
Ion Ratio Lower Upper
43 100
70 36.3 28.6 43.0
55 21.8 17.8 26.8
61 22.2 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 97.201 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 324648

Ion Ratio Lower Upper

83 100

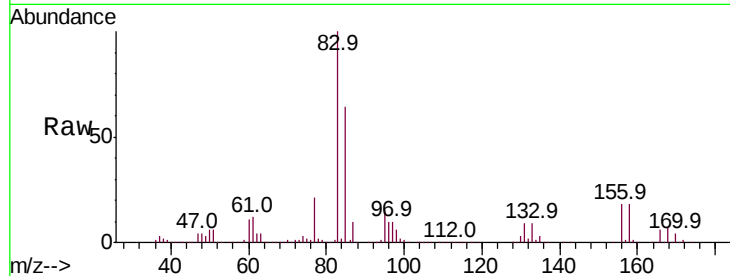
131 9.5 4.7 14.1

85 63.8 31.9 95.9

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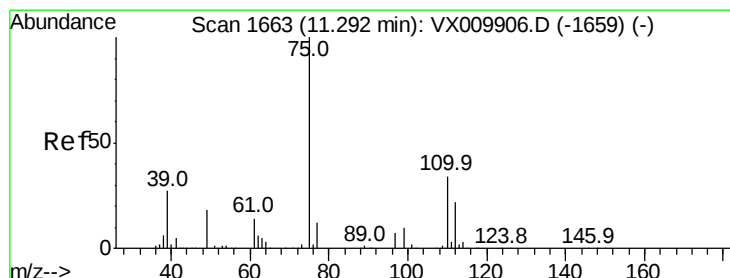
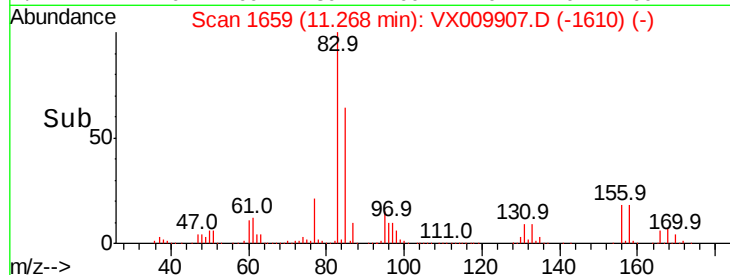
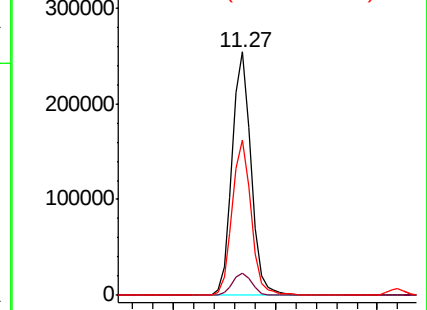
5/29/2019 9:24:54 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 98.775 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009907.D

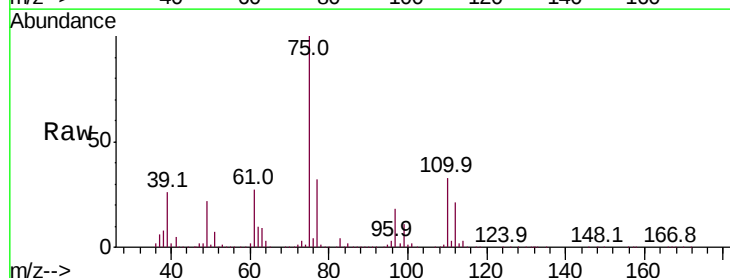
Acq: 28 May 2019 11:30

Tgt Ion: 75 Resp: 283781

Ion Ratio Lower Upper

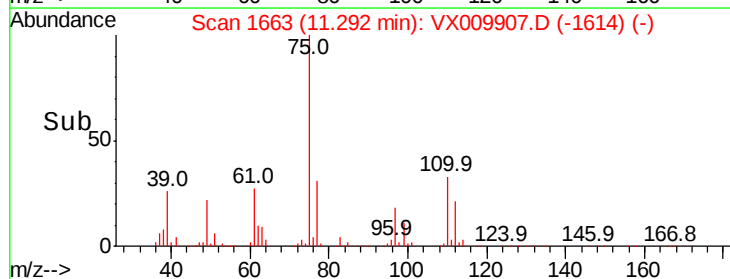
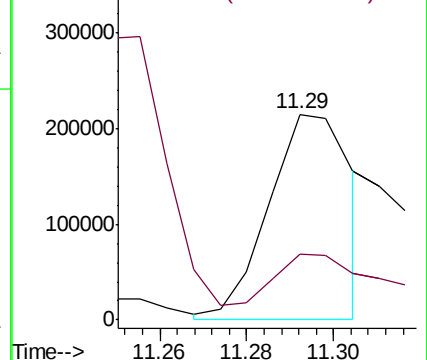
75 100

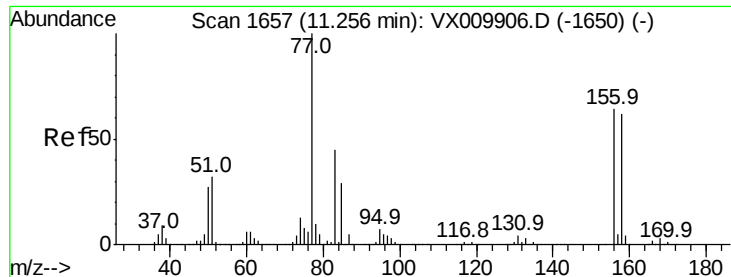
77 45.4 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 100.967 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 225342

Ion Ratio Lower Upper

156 100

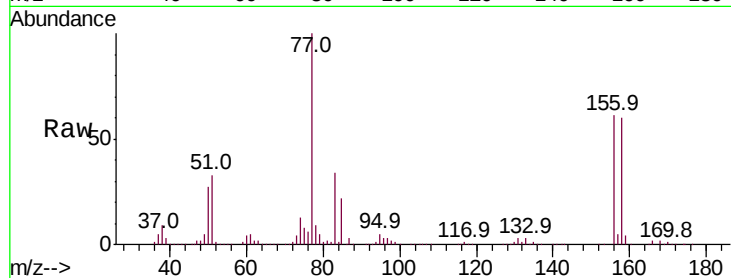
77 172.7 86.8 260.3

158 98.1 49.6 148.8

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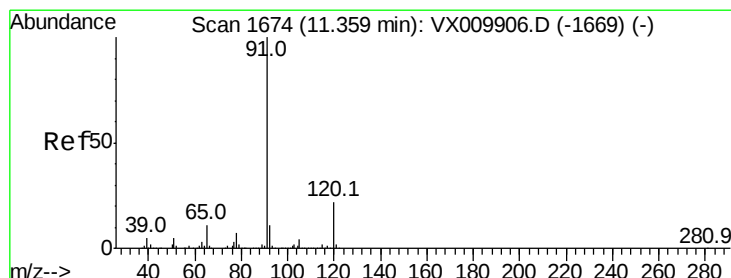
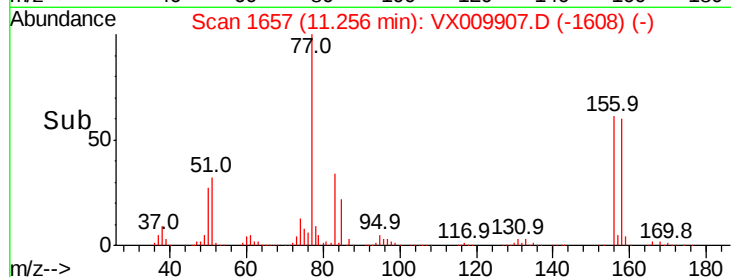
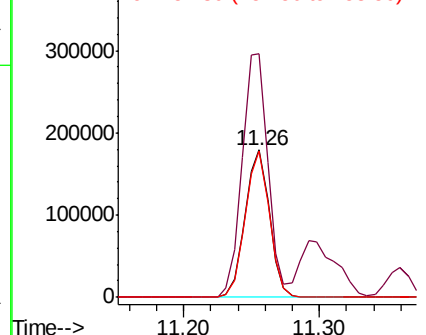
5/29/2019 9:24:54 AM



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: 105.861 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009907.D

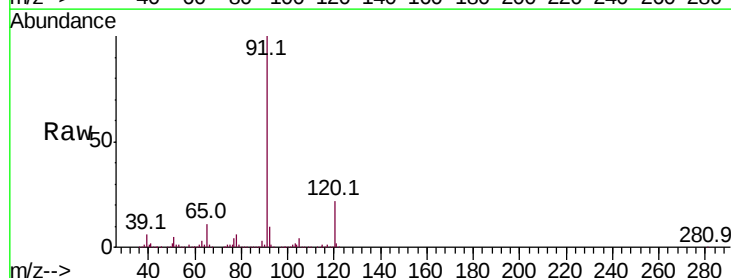
Acq: 28 May 2019 11:30

Tgt Ion: 91 Resp: 1090402

Ion Ratio Lower Upper

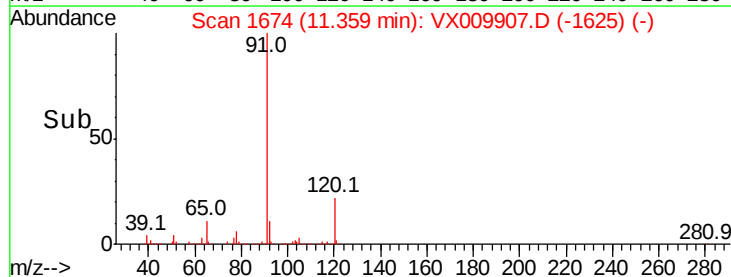
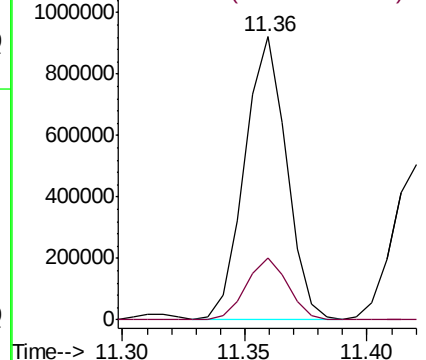
91 100

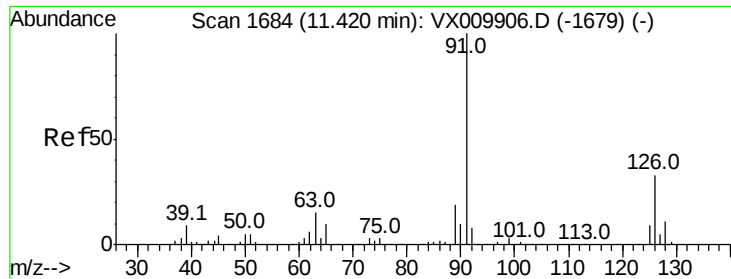
120 22.0 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





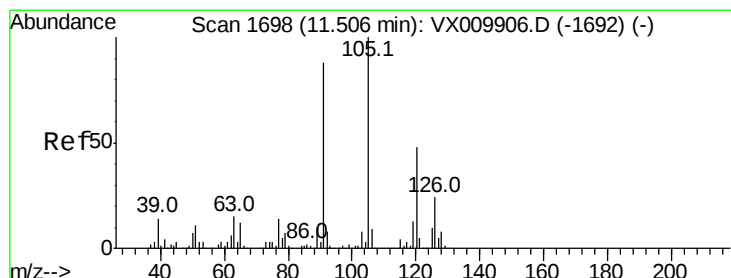
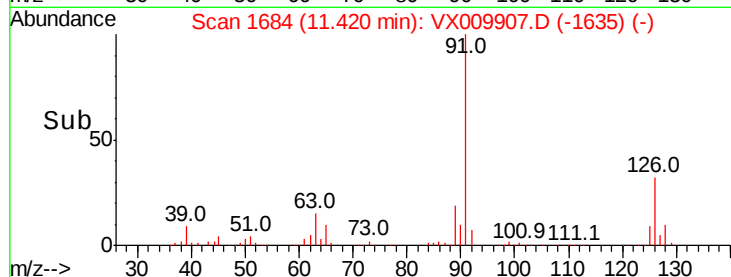
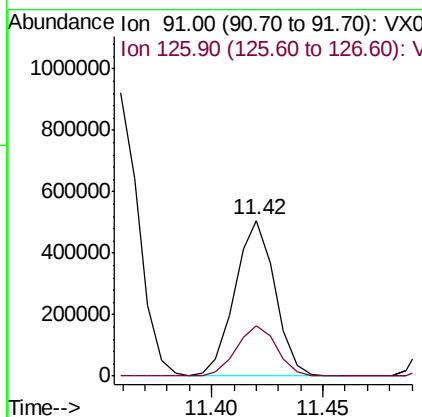
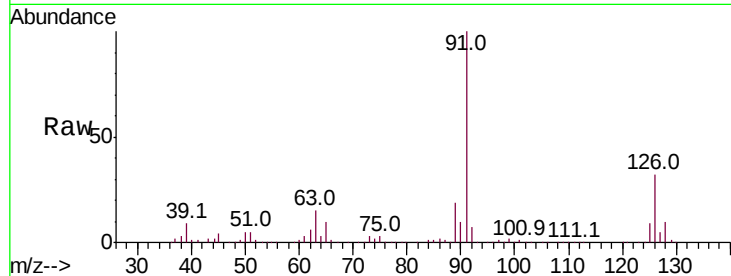
#79
2-Chlorotoluene
Concen: 99.828 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 634703
Ion Ratio Lower Upper
91 100
126 32.6 16.1 48.3

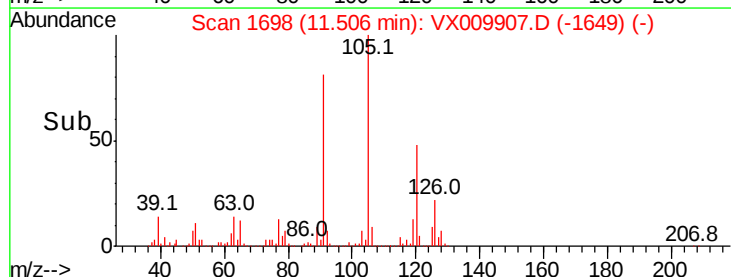
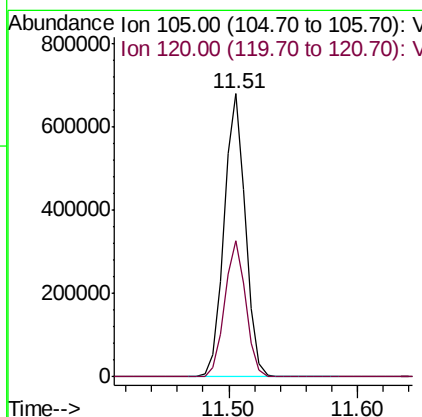
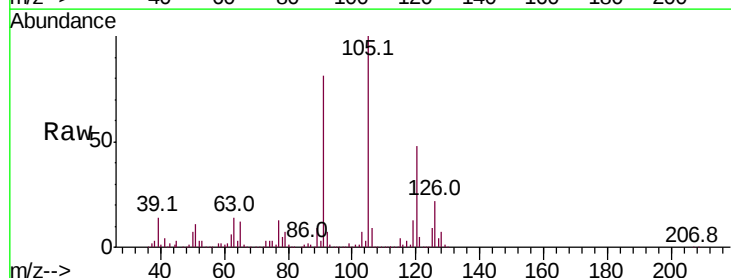
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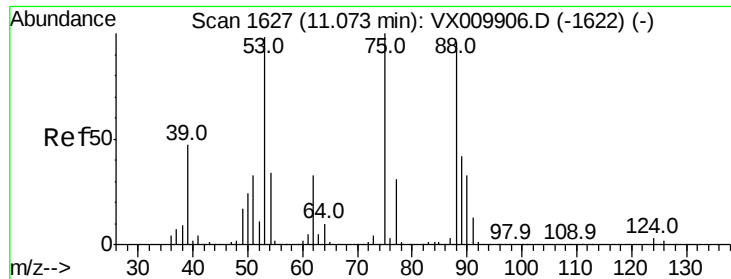
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#80
1,3,5-Trimethylbenzene
Concen: 103.865 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Tgt Ion:105 Resp: 788394
Ion Ratio Lower Upper
105 100
120 47.8 24.1 72.3





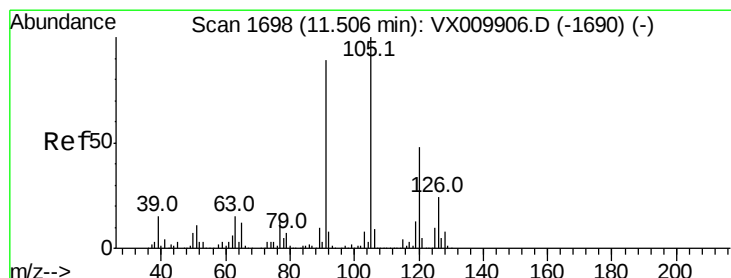
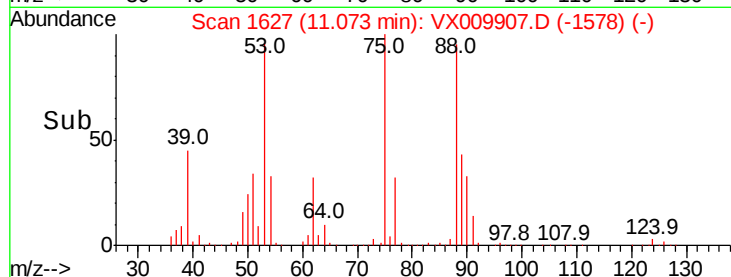
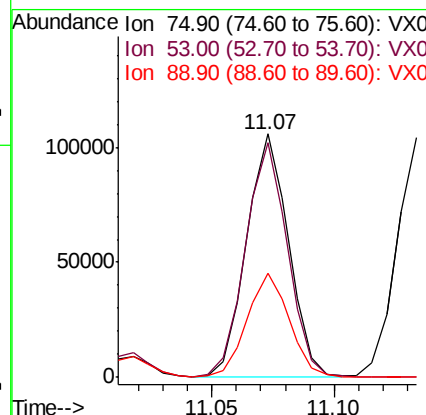
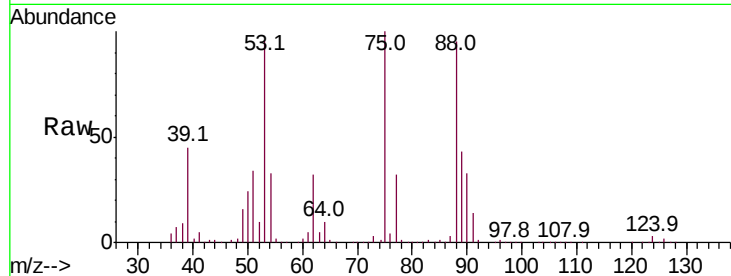
#81
trans-1,4-Dichloro-2-butene
Concen: 111.698 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.5	79.8	119.6
89	43.4	34.2	51.4

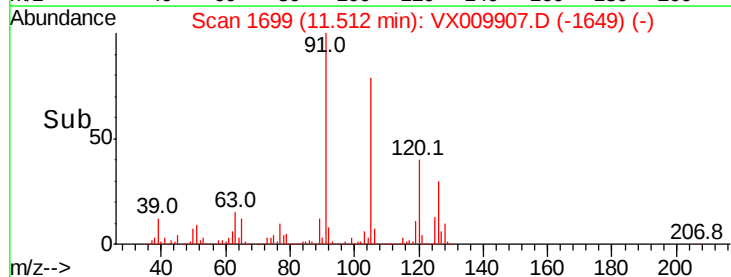
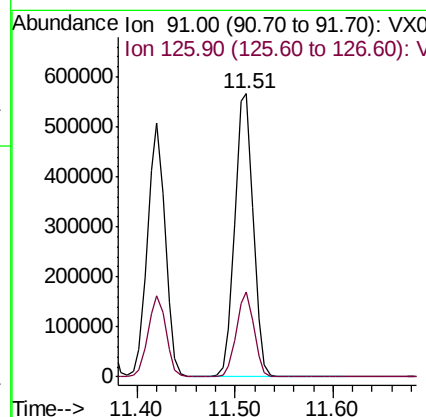
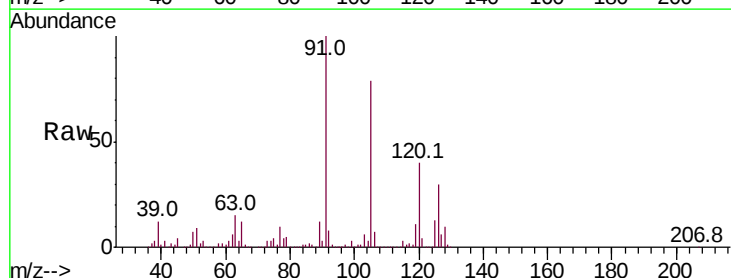
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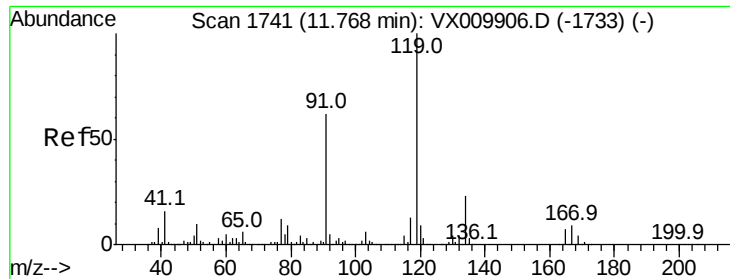
MMDadoda
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#82
4-Chlorotoluene
Concen: 103.389 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.2	42.6





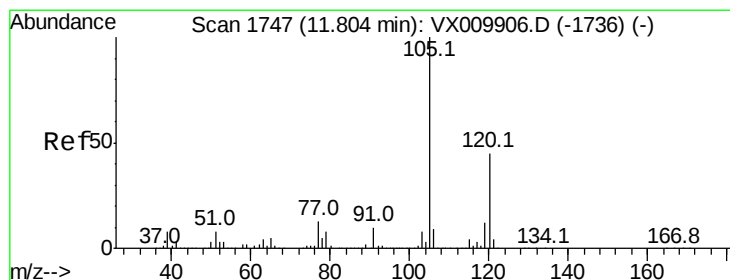
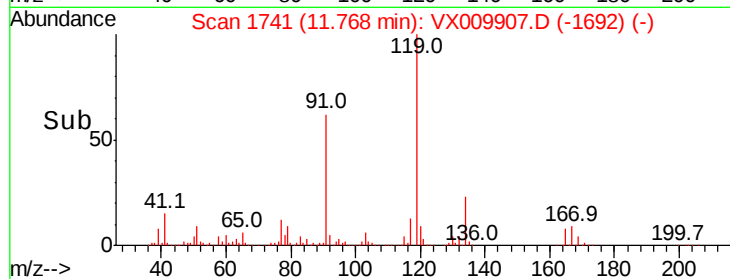
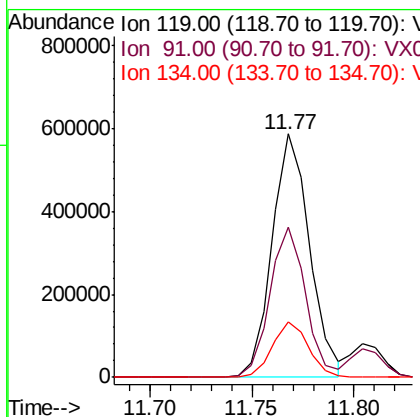
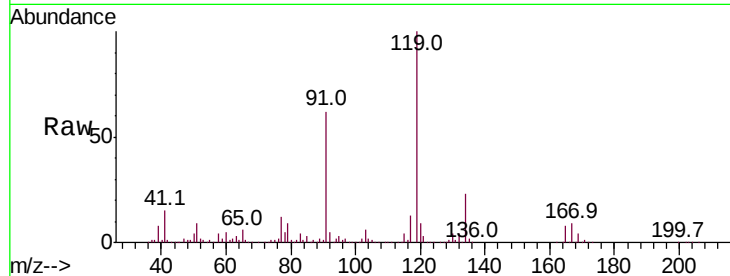
#83
 tert-Butylbenzene
 Concen: 102.220 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009907.D
 Acq: 28 May 2019 11:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	753423		
91	59.1		30.0	90.0
134	22.0		11.2	33.5

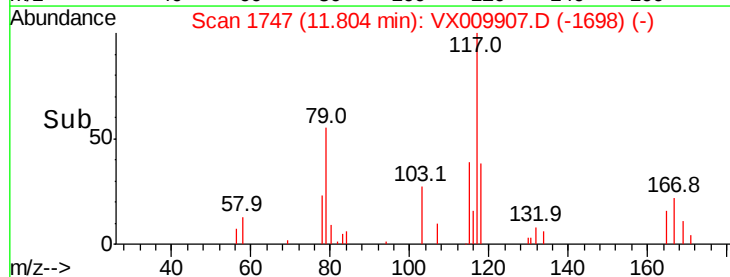
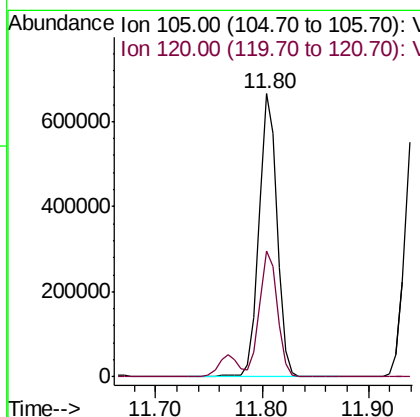
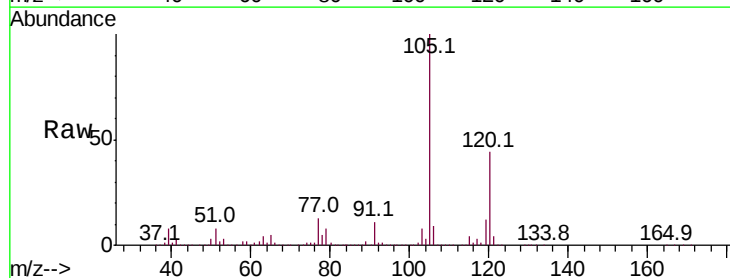
Manual Integrations
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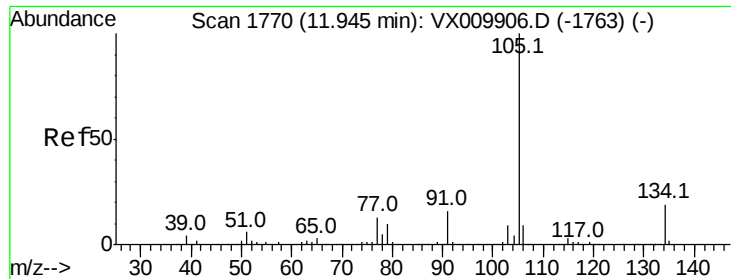
MMDadoda
 5/29/2019 9:24:54 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 104.021 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009907.D
 Acq: 28 May 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	792600		
120	43.9		22.1	66.1





#85

sec-Butylbenzene

Concen: 103.629 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 905825

Ion Ratio Lower Upper

105 100

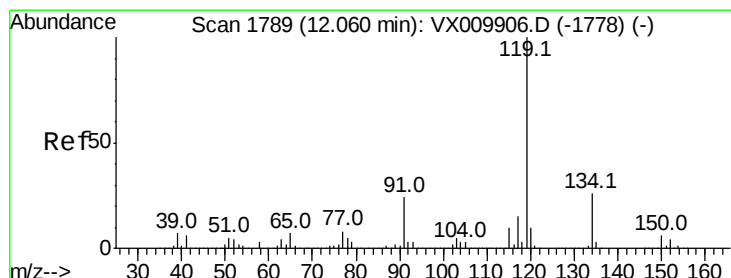
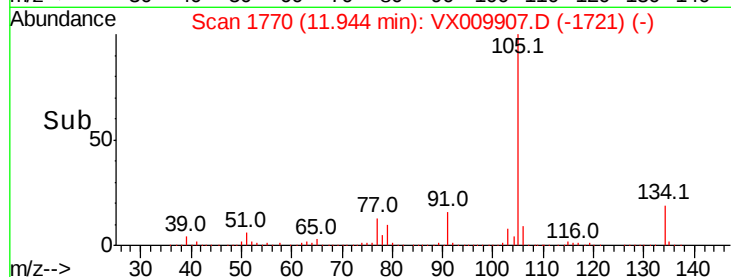
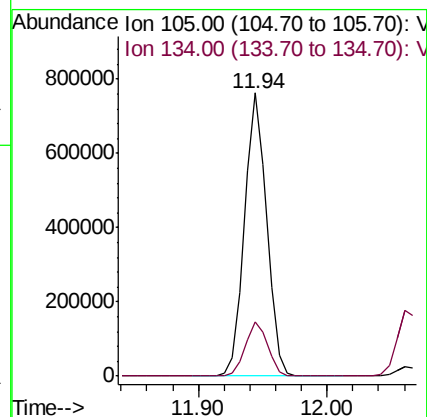
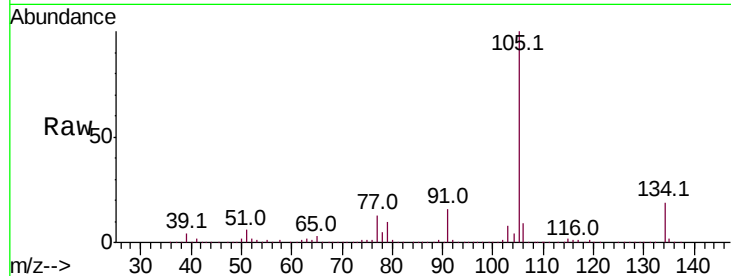
134 19.3 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 105.459 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

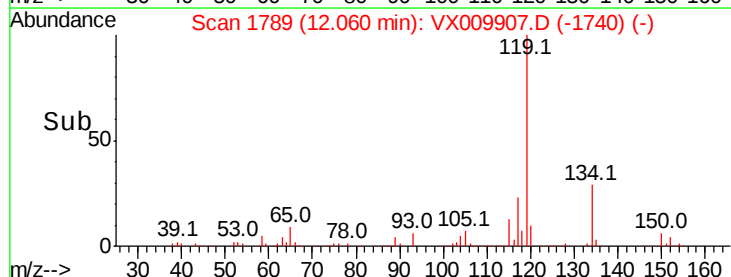
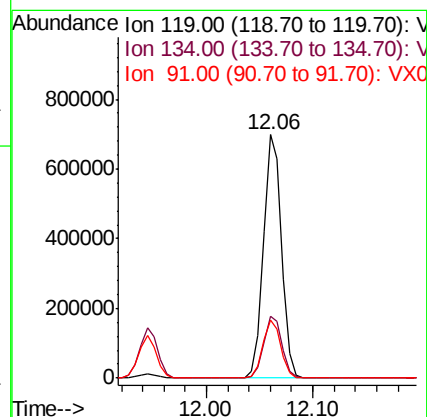
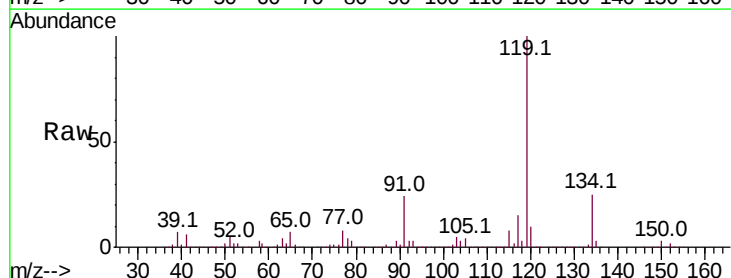
Tgt Ion:119 Resp: 829618

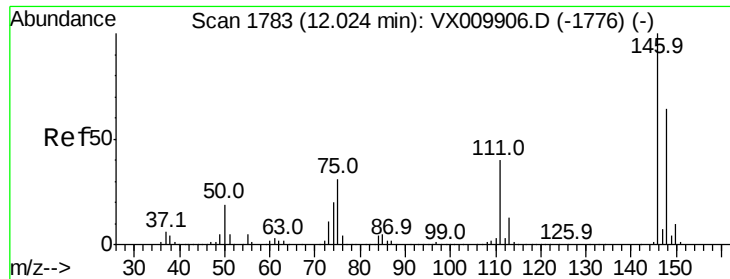
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.6

91 23.7 11.9 35.9





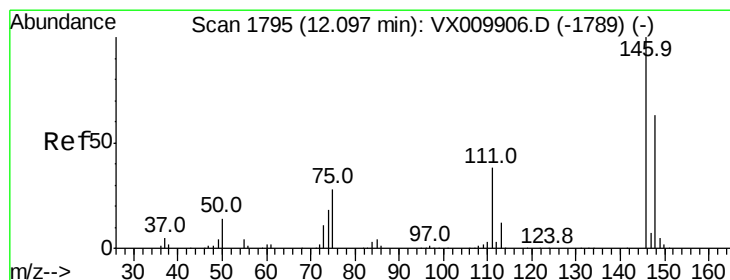
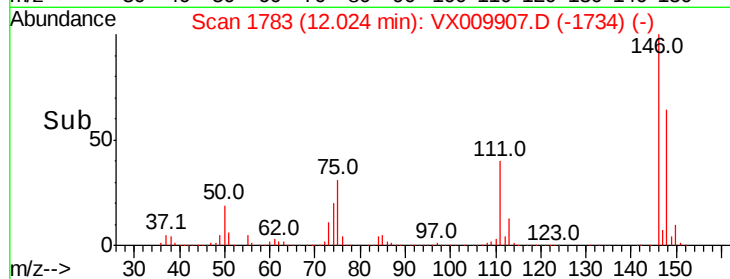
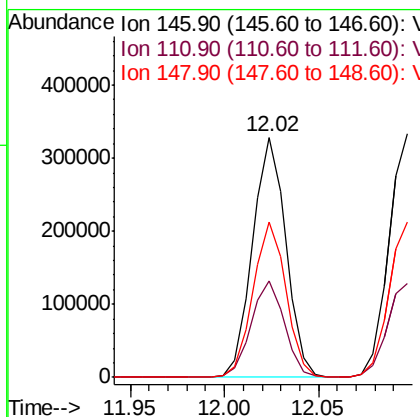
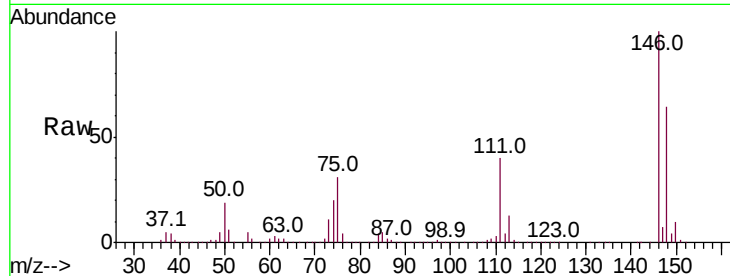
#87
 1,3-Dichlorobenzene
 Concen: 101.250 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009907.D
 Acq: 28 May 2019 11:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	402599		
111	40.3	20.1	60.2	
148	63.9	31.9	95.5	

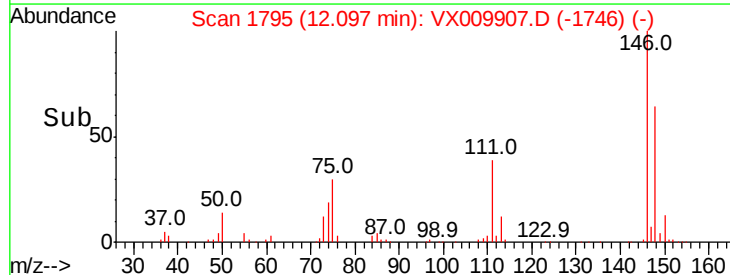
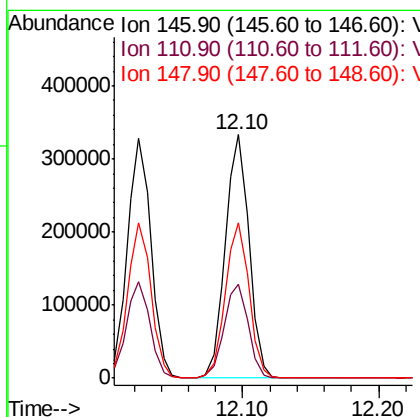
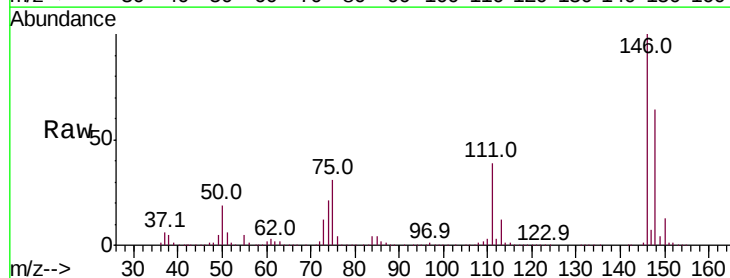
Manual Integrations
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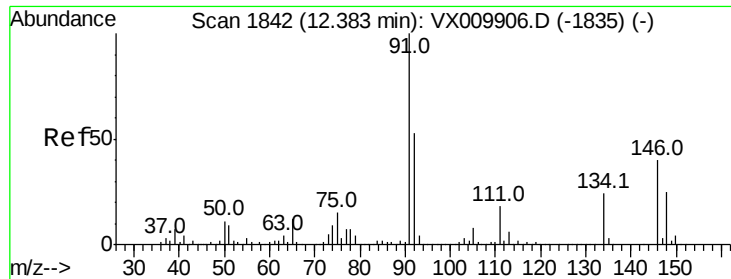
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#88
 1,4-Dichlorobenzene
 Concen: 100.090 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009907.D
 Acq: 28 May 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	401437		
111	39.4	20.0	59.9	
148	63.7	32.3	96.9	





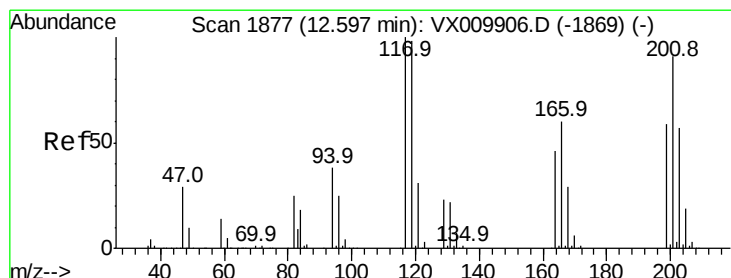
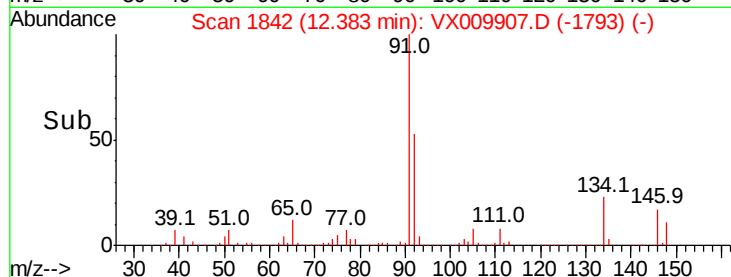
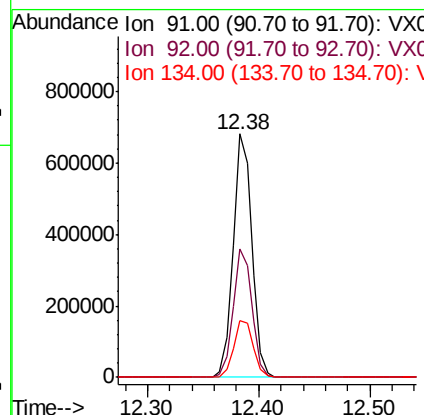
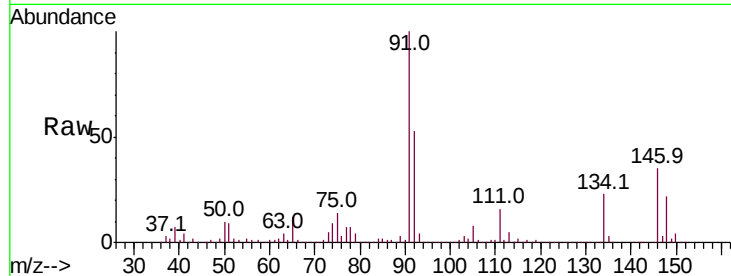
#89
n-Butylbenzene
Concen: 110.092 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.3	78.8
134	24.5	12.3	36.8

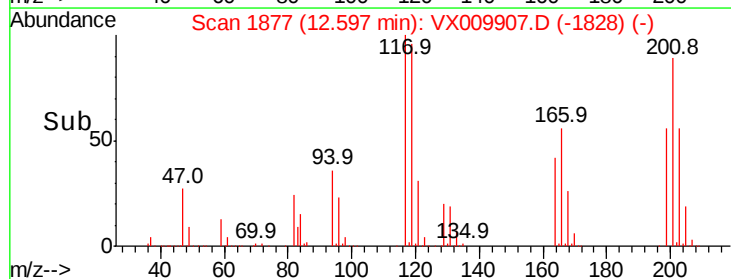
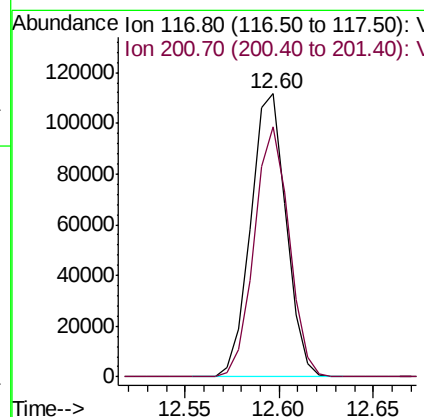
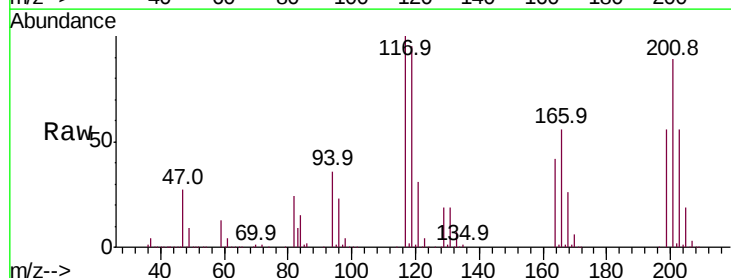
Manual Integrations
APPROVED

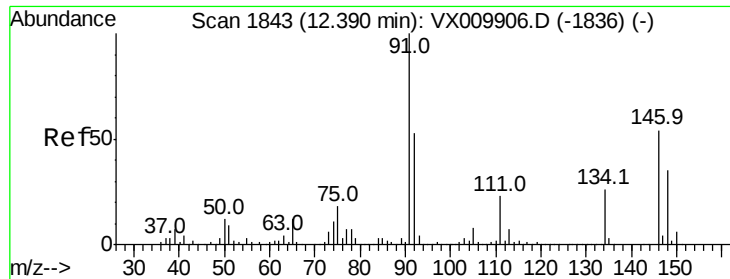
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5/29/2019 9:24:54 AM



#90
Hexachloroethane
Concen: 108.803 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.8	43.6	130.9





#91

1,2-Dichlorobenzene

Concen: 98.532 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

Instrument :

MSVOA_X

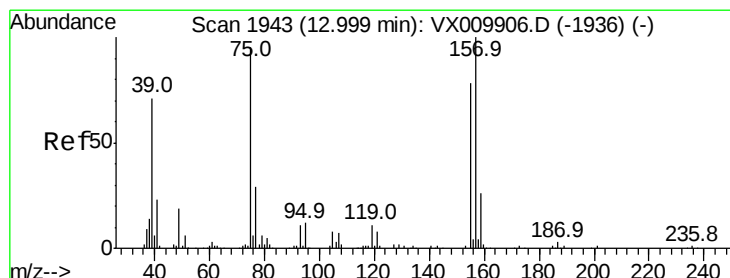
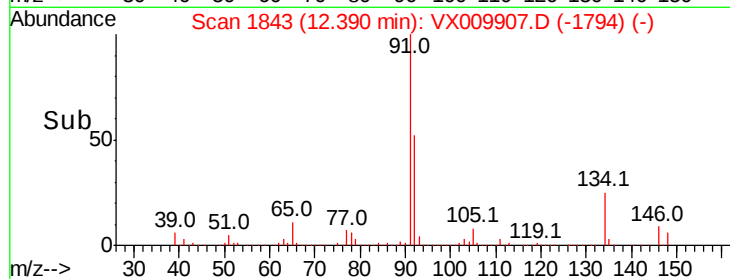
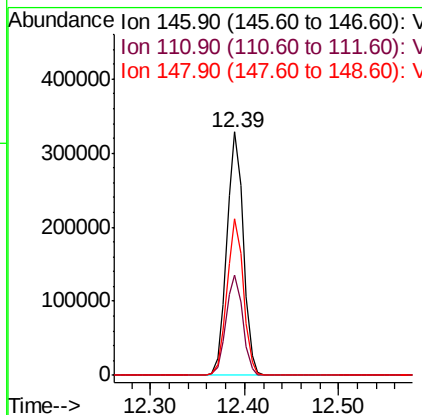
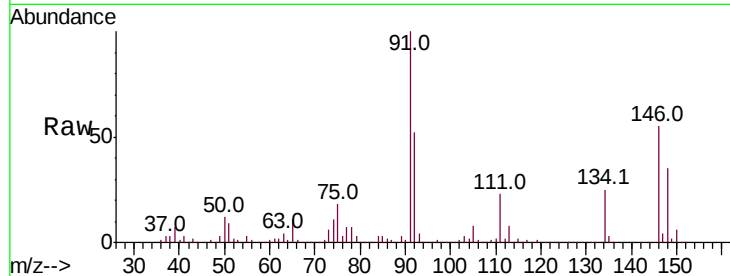
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	397763
Ion Ratio	Lower	Upper	
146	100		
111	41.5	21.1	63.1
148	63.9	32.3	96.8

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 104.806 ug/l

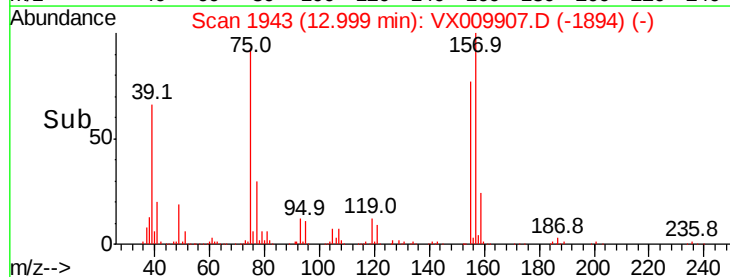
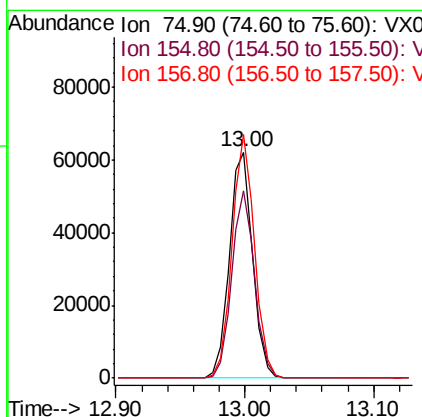
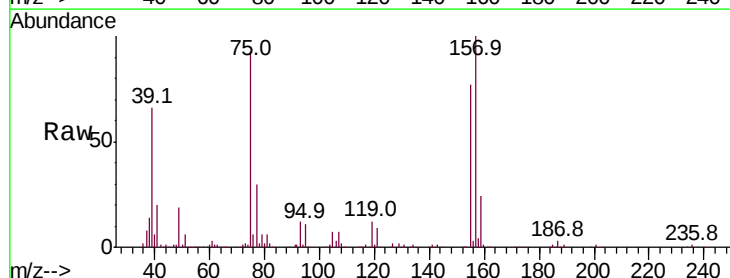
RT: 13.00 min Scan# 1943

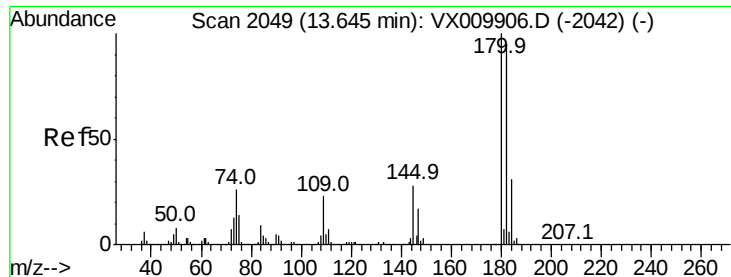
Delta R.T. -0.00 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

Tgt Ion:	75	Resp:	78510
Ion Ratio	Lower	Upper	
75	100		
155	80.8	39.3	117.8
157	103.9	50.6	151.8





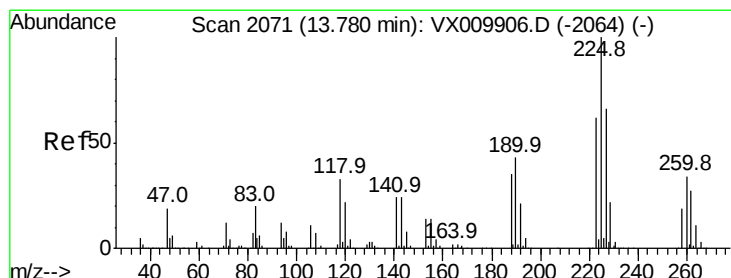
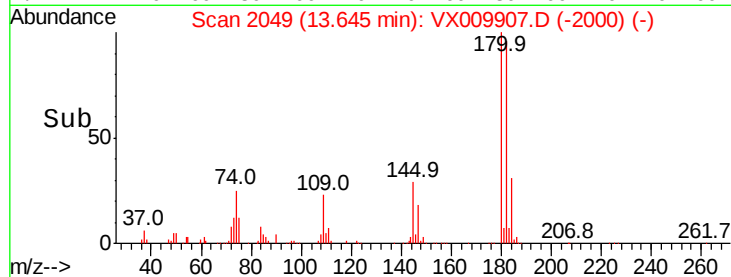
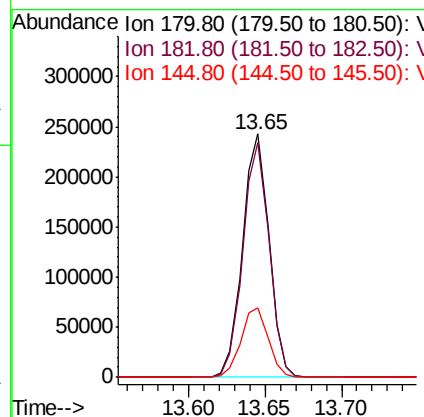
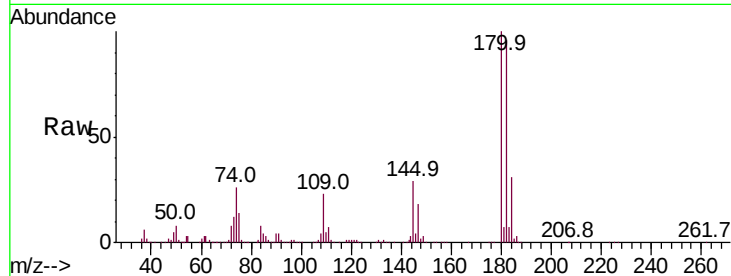
#93
1,2,4-Trichlorobenzene
Concen: 104.991 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.7	47.4	142.2	
145	29.3	14.5	43.5	

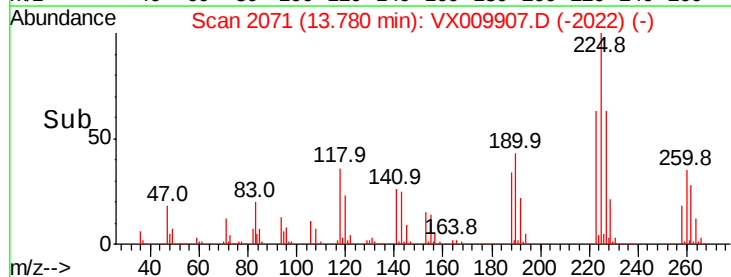
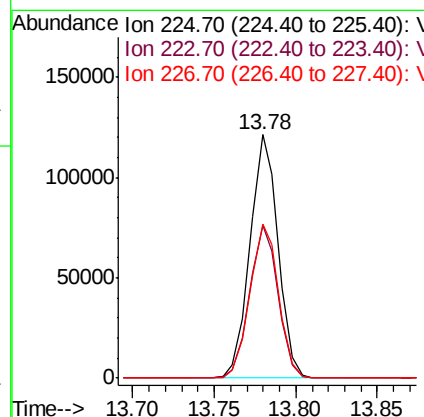
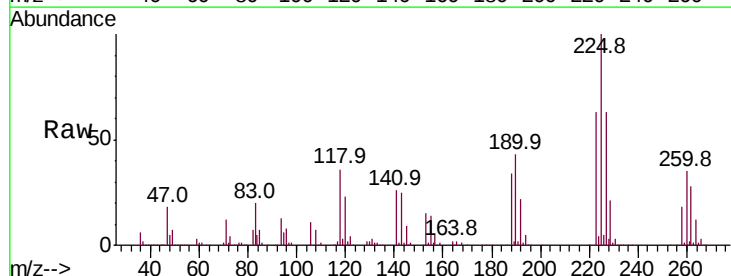
Manual Integrations
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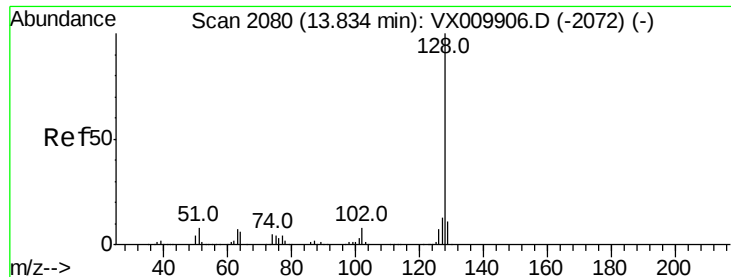
MMDadoda
5/29/2019 9:24:54 AM



#94
Hexachlorobutadiene
Concen: 102.862 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX009907.D
Acq: 28 May 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.3	31.3	93.8	
227	64.3	32.3	96.8	





#95

Naphthalene

Concen: 103.395 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

Instrument :

MSVOA_X

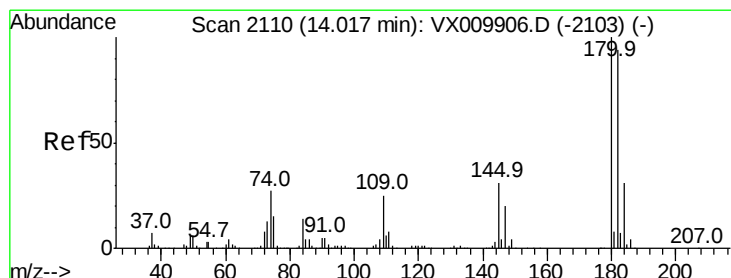
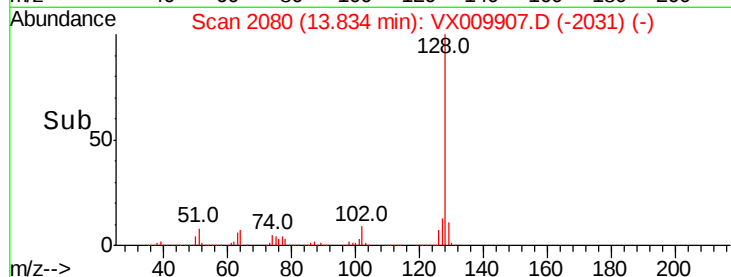
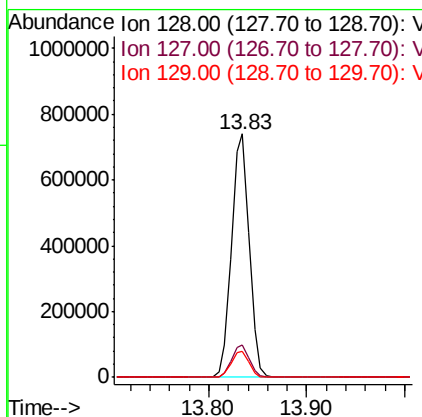
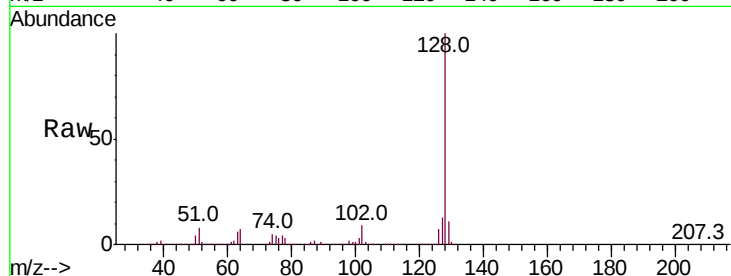
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	924540
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	16.0
129	11.0	8.8	13.2

Manual Integrations
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MMDadoda
5/29/2019 9:24:54 AM



#96

1,2,3-Trichlorobenzene

Concen: 101.633 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009907.D

Acq: 28 May 2019 11:30

Tgt Ion:	180	Resp:	284532
Ion Ratio	Lower	Upper	
180	100		
182	97.4	47.3	142.0
145	31.4	15.6	46.7

