

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102119\
 Data File : VX013152.D
 Acq On : 21 Oct 2019 13:46
 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
 10/22/2019 12:30:19 PM

Quant Time: Oct 22 01:52:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 22 01:38:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	26540	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	154603	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	140325	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	62515	30.56	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.87%
60) 4-Bromofluorobenzene	11.14	95	73929	30.11	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.37%
63) Toluene-d8	8.71	98	184707	28.97	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	184781	101.315	ug/l 98
3) Chloromethane	1.32	50	161996	92.821	ug/l 96
4) Vinyl Chloride	1.40	62	167274	94.873	ug/l 96
5) Bromomethane	1.63	94	84194	100.525	ug/l 98
6) Chloroethane	1.70	64	104122	96.658	ug/l 100
7) Trichlorofluoromethane	1.92	101	266159	101.271	ug/l 96
8) Diethyl Ether	2.18	74	88734	93.936	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	161785	98.642	ug/l 97
10) 1,1-Dichloroethene	2.36	96	156588	97.120	ug/l 94
11) Methyl Iodide	2.50	142	220681	110.229	ug/l 100
12) Methyl Acetate	2.76	43	200939	89.893	ug/l 96
13) Acrolein	2.28	56	172158	526.783	ug/l 99
14) Acrylonitrile	3.13	53	419812	450.503	ug/l 99
15) Acetone	2.44	58	141744	445.862	ug/l 98
16) Carbon Disulfide	2.56	76	429436	98.688	ug/l 97
17) Allyl chloride	2.72	41	249864	92.338	ug/l 98
18) Methylene Chloride	2.84	84	172297	94.004	ug/l 98
19) trans-1,2-Dichloroethene	3.15	96	166578	96.826	ug/l 98
20) Diisopropyl ether	3.84	45	479842	92.682	ug/l 95
21) 1,1-Dichloroethane	3.69	63	289860	96.138	ug/l 98
22) cis-1,2-Dichloroethene	4.58	96	187835	94.599	ug/l 98
23) tert-Butyl Alcohol	3.04	59	210008	442.466	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	543841	99.206	ug/l 97
25) Chloroform	5.20	83	306277	97.953	ug/l 100
26) Cyclohexane	5.57	56	256619	94.346	ug/l # 97
29) 1,1-Dichloropropene	5.79	75	231420	96.840	ug/l # 86
30) 2-Butanone	4.66	43	610314	446.721	ug/l 99
31) 2,2-Dichloropropane	4.57	77	273989	101.968	ug/l 98
32) 1,1,1-Trichloroethane	5.48	97	281371	100.428	ug/l 99
33) Carbon Tetrachloride	5.78	117	250718	104.337	ug/l 97
34) Benzene	6.14	78	668535	95.330	ug/l 99
35) Methacrylonitrile	5.03	41	123594	91.342	ug/l 97
36) 1,2-Dichloroethane	6.18	62	248488	96.989	ug/l 99
37) Trichloroethene	7.20	130	185391	98.045	ug/l 99
38) Methylcyclohexane	7.46	83	289070	99.442	ug/l 99
39) 1,2-Dichloropropane	7.51	63	163994	93.796	ug/l 98
40) Dibromomethane	7.65	93	118208	97.783	ug/l 100

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Manual Integrations
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	242646	101.137	ug/l	98
42) Vinyl Acetate	3.80	43	2126331	468.756	ug/l	100
43) Ethyl Acetate	4.82	43	224781	90.649	ug/l	99
44) Isopropyl Acetate	6.43	43	380050	94.776	ug/l	99
45) 1,4-Dioxane	7.73	88	92127	1837.094	ug/l	99
46) Methyl methacrylate	7.76	41	186912	94.577	ug/l	95
47) n-amyl Acetate	10.89	43	345899	101.220	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	279843	105.530	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	295738	101.480	ug/l	97
50) 1,1,2-Trichloroethane	9.21	97	171014	94.296	ug/l	98
51) Ethyl methacrylate	9.17	69	282525	99.186	ug/l	98
52) 1,3-Dichloropropane	9.37	76	290922	95.845	ug/l	100
53) Dibromochloromethane	9.58	129	194431	103.732	ug/l	100
54) 1,2-Dibromoethane	9.67	107	184800	96.956	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	530641	433.020	ug/l	99
56) Bromoform	10.85	173	145038	110.908	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	1142837	451.914	ug/l	99
59) 2-Hexanone	9.49	43	912475	463.282	ug/l	99
61) Tetrachloroethene	9.33	164	168651	93.623	ug/l	95
62) Toluene	8.78	91	725246	95.063	ug/l	100
64) Chlorobenzene	10.14	112	462947	95.418	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	179840	100.316	ug/l	99
66) Ethyl Benzene	10.25	91	852321	97.589	ug/l	98
67) m/p-Xylenes	10.35	106	642296	195.092	ug/l	98
68) o-Xylene	10.70	106	308358	97.159	ug/l	95
69) Styrene	10.71	104	538353	97.680	ug/l	98
70) Isopropylbenzene	11.01	105	842007	97.976	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	254963	92.832	ug/l	97
72) 1,1,2,3-Trichloropropane	11.29	75	208112m	87.497	ug/l	
73) Bromobenzene	11.25	156	200972	98.274	ug/l	98
74) n-propylbenzene	11.35	91	945481	99.226	ug/l	99
75) 2-Chlorotoluene	11.42	91	585698	99.254	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	728186	100.248	ug/l	97
77) t-1,4-Dichloro-2-butene	11.07	75	98640	109.429	ug/l	91
78) 4-Chlorotoluene	11.51	91	675015	99.655	ug/l	99
79) tert-butylbenzene	11.77	119	701561	102.748	ug/l	95
80) 1,2,4-Trimethylbenzene	11.81	105	734787	101.715	ug/l	99
81) sec-Butylbenzene	11.94	105	819522	98.938	ug/l	100
82) p-Isopropyltoluene	12.06	119	776422	102.607	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	378070	102.418	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	379490	101.854	ug/l	99
85) n-Butylbenzene	12.38	91	669592	104.221	ug/l	99
86) Hexachloroethane	12.59	117	138966	106.241	ug/l	94
87) 1,2-Dichlorobenzene	12.38	146	374471	102.165	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	66599	102.578	ug/l	94
89) 1,2,4-Trichlorobenzene	13.64	180	242001	106.427	ug/l	97
90) Hexachlorobutadiene	13.78	225	123637	113.069	ug/l	94
91) Naphthalene	13.83	128	775132	100.995	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	235919	102.891	ug/l	97

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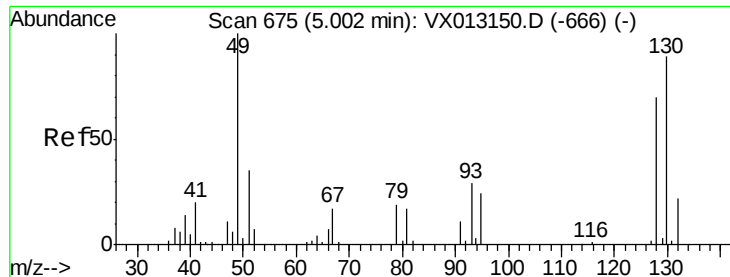
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. -0.00 min

Lab File: VX013152.D

Acq: 21 Oct 2019 13:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 26540

Ion Ratio Lower Upper

128 100

49 147.4 0.0 367.3

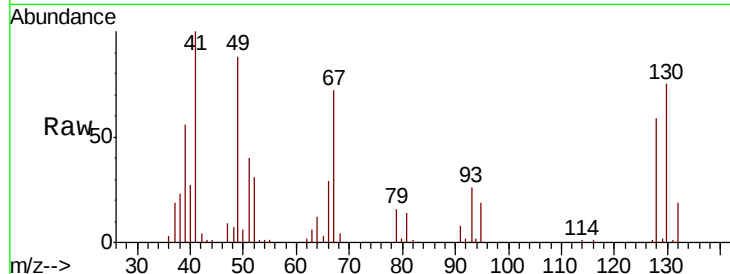
130 125.4 0.0 325.0

Manual Integrations

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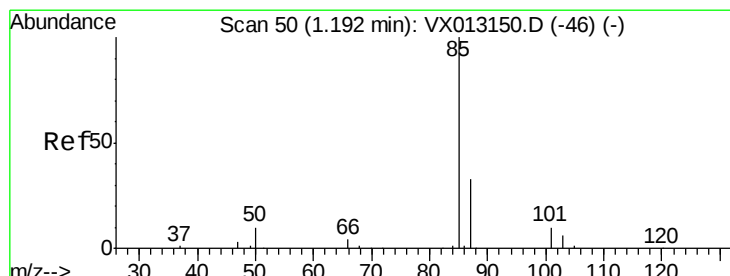
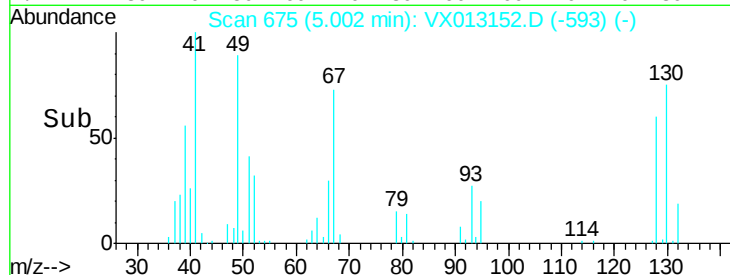
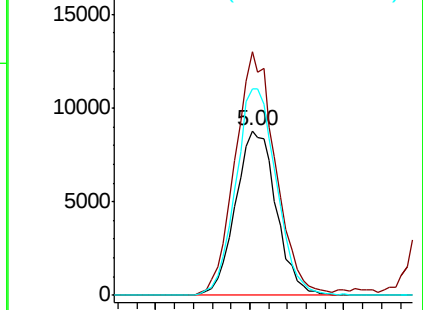
10/22/2019 12:30:19 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 101.315 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX013152.D

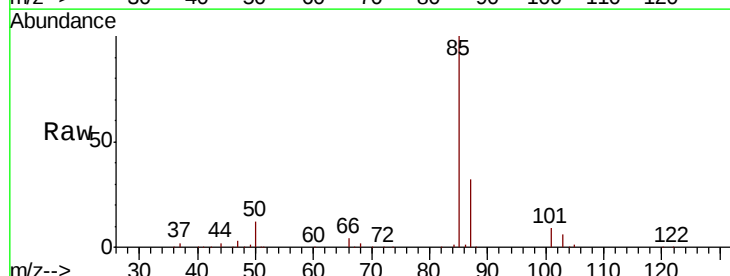
Acq: 21 Oct 2019 13:46

Tgt Ion: 85 Resp: 184781

Ion Ratio Lower Upper

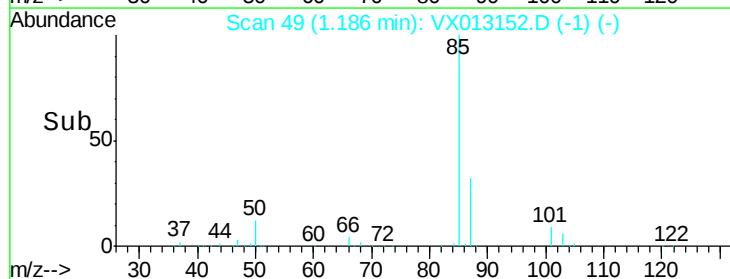
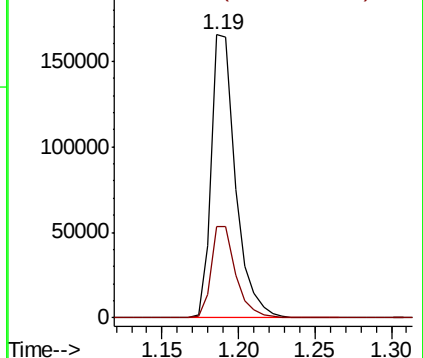
85 100

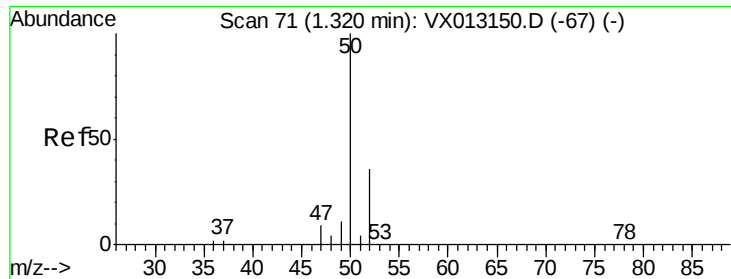
87 32.2 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 92.821 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013152.D

Acq: 21 Oct 2019 13:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 161996

Ion Ratio Lower Upper

50 100

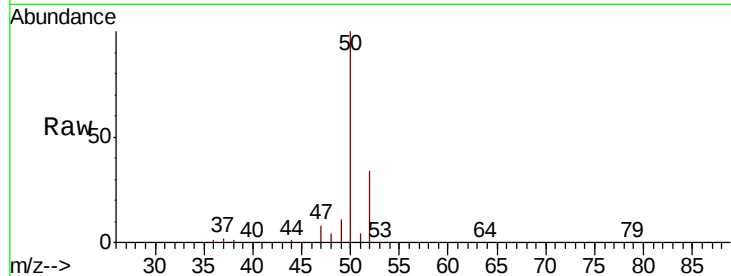
52 33.6 28.6 42.8

Manual Integrations

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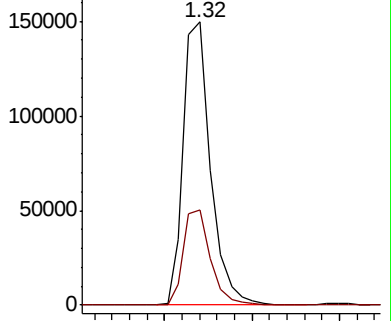
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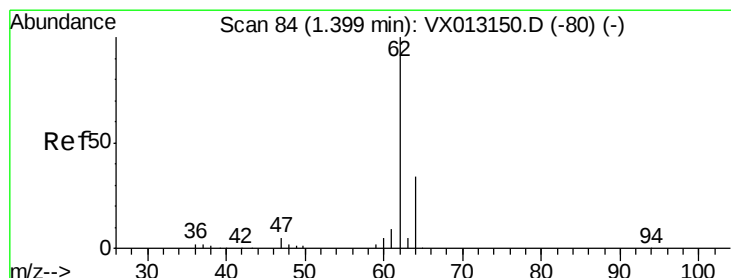
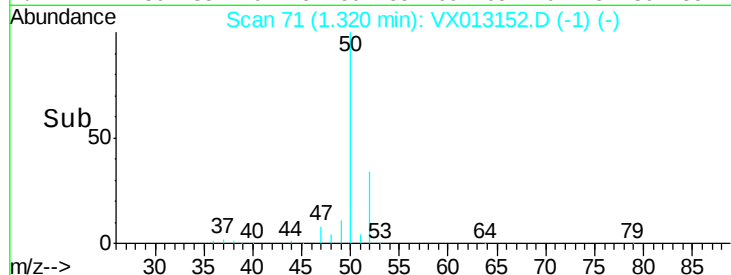


Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



Time-->



#4

Vinyl Chloride

Concen: 94.873 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013152.D

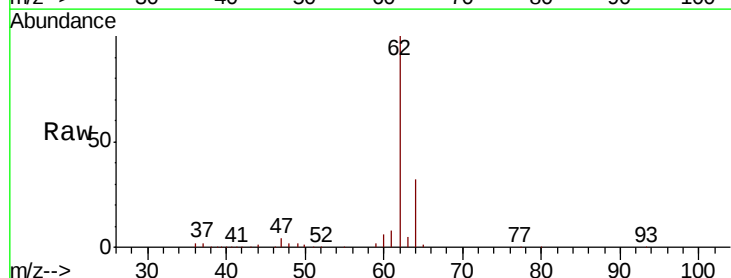
Acq: 21 Oct 2019 13:46

Tgt Ion: 62 Resp: 167274

Ion Ratio Lower Upper

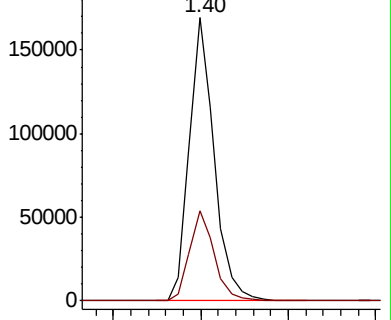
62 100

64 31.7 27.3 40.9

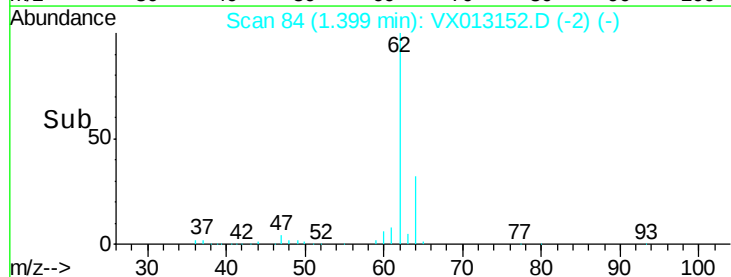


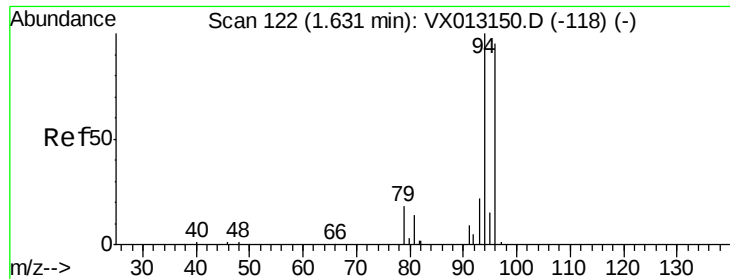
Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0



Time-->





#5

Bromomethane

Concen: 100.525 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013152.D

Acq: 21 Oct 2019 13:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 84194

Ion Ratio Lower Upper

94 100

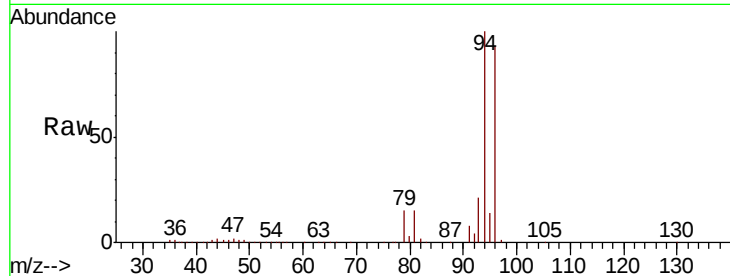
96 92.9 75.9 113.9

Manual Integrations

APPROVED

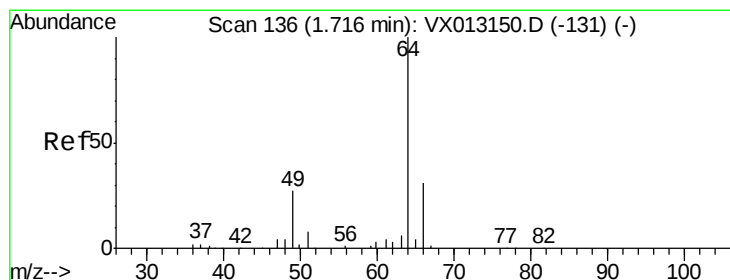
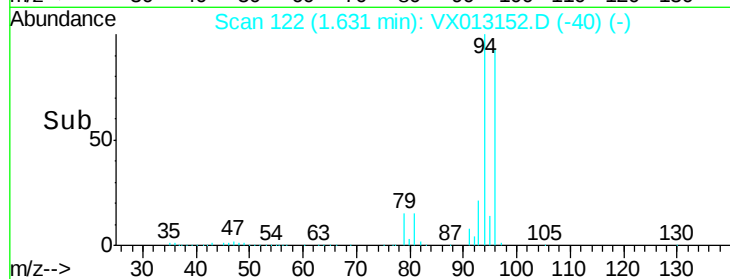
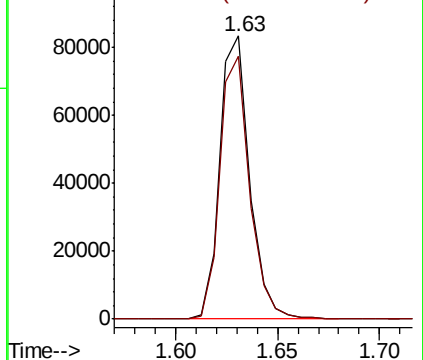
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 96.658 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX013152.D

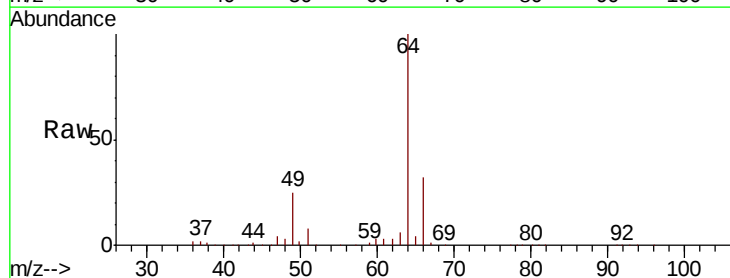
Acq: 21 Oct 2019 13:46

Tgt Ion: 64 Resp: 104122

Ion Ratio Lower Upper

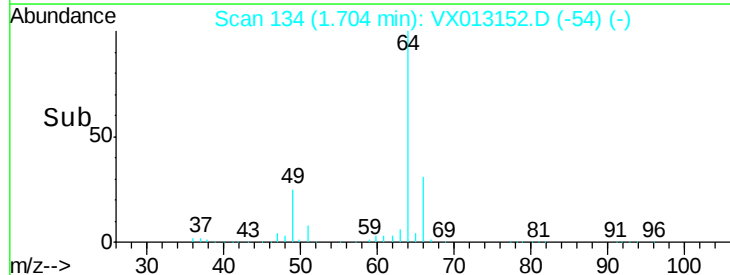
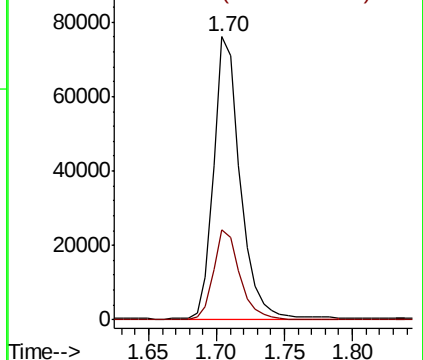
64 100

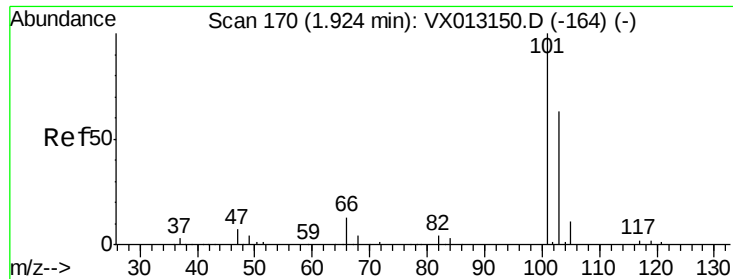
66 31.7 25.4 38.2



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

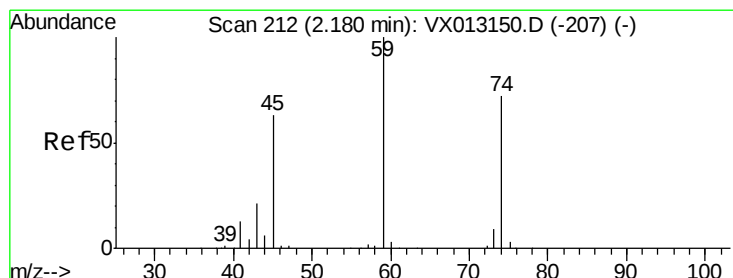
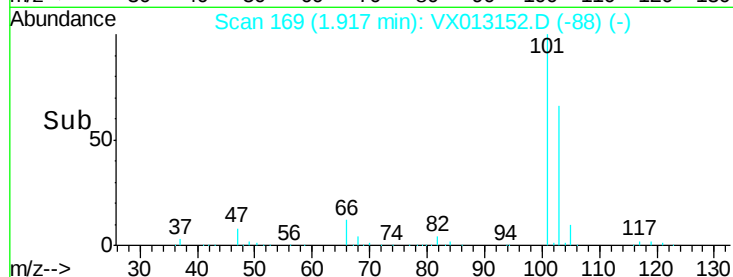
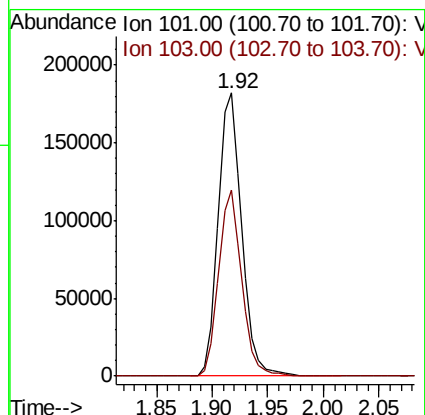
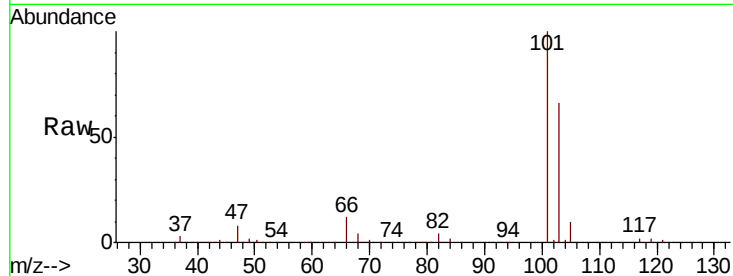
Trichlorofluoromethane
Concen: 101.271 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:101 Resp: 266159
Ion Ratio Lower Upper
101 100
103 65.7 50.2 75.4

Manual Integrations
APPROVED

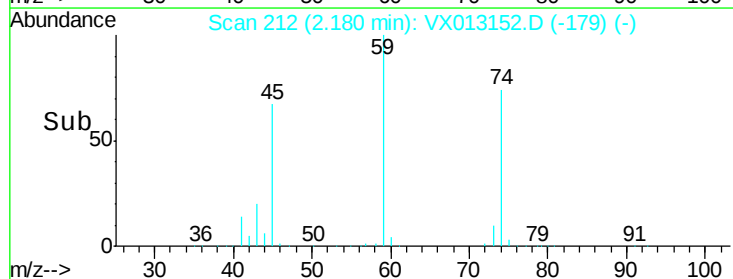
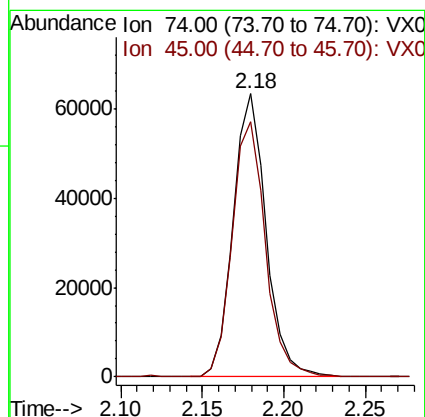
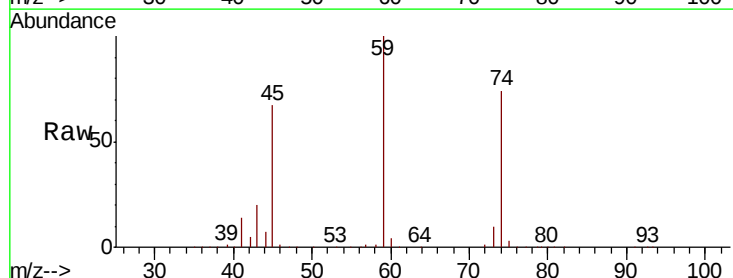
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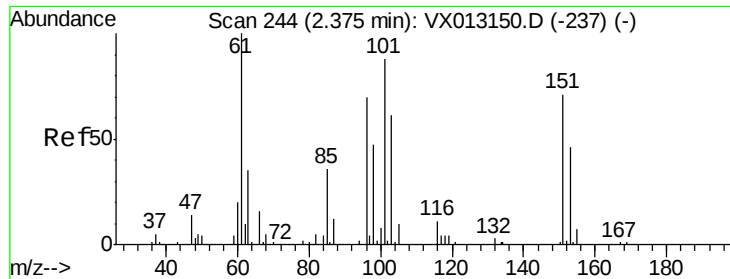


#8

Diethyl Ether
Concen: 93.936 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Tgt Ion: 74 Resp: 88734
Ion Ratio Lower Upper
74 100
45 91.4 18.4 165.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 98.642 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX013152.D

Acq: 21 Oct 2019 13:46

Instrument :

MSVOA_X

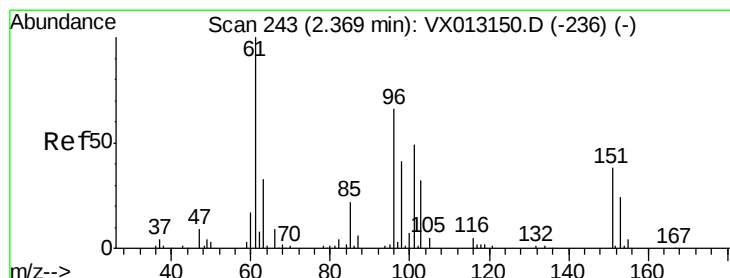
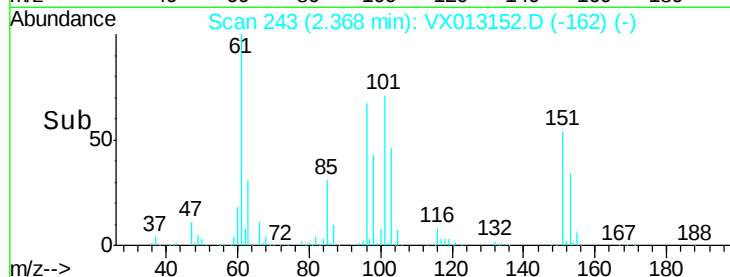
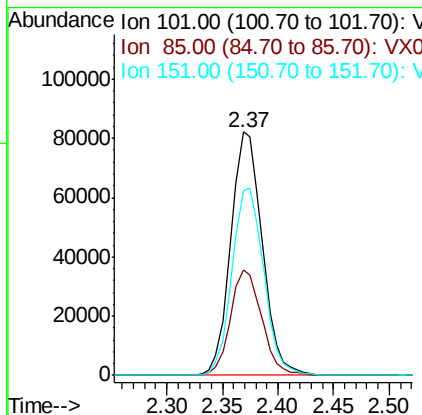
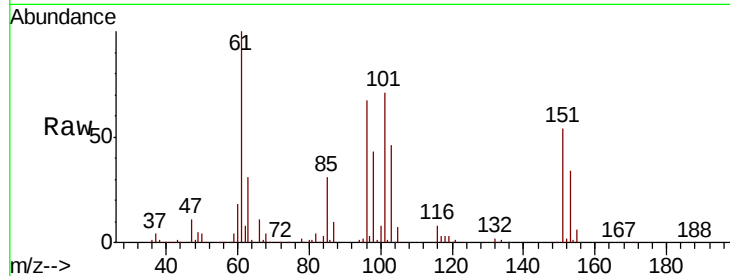
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	161785
Ion Ratio	Lower	Upper	
101	100		
85	42.9	0.0	87.2
151	77.6	0.0	163.0

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 97.120 ug/l

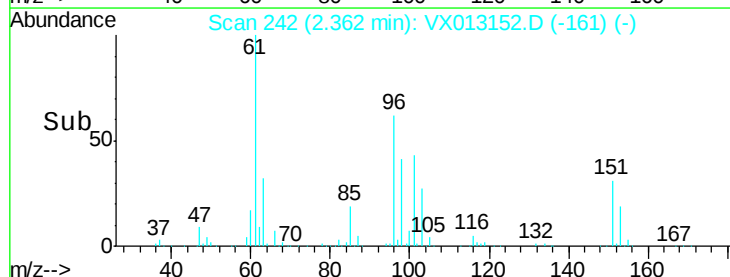
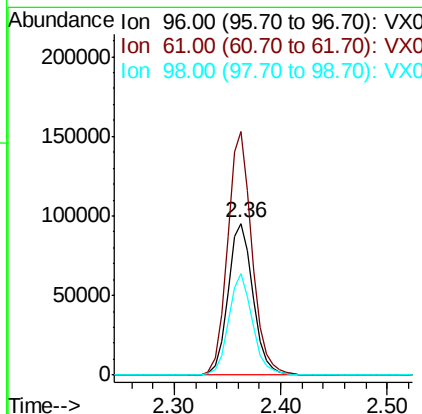
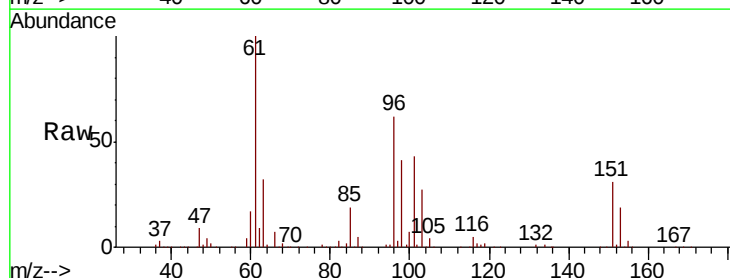
RT: 2.36 min Scan# 242

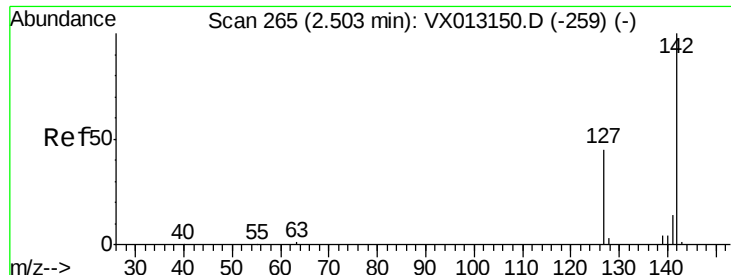
Delta R.T. -0.01 min

Lab File: VX013152.D

Acq: 21 Oct 2019 13:46

Tgt Ion:	96	Resp:	156588
Ion Ratio	Lower	Upper	
96	100		
61	160.1	121.3	181.9
98	66.4	49.5	74.3





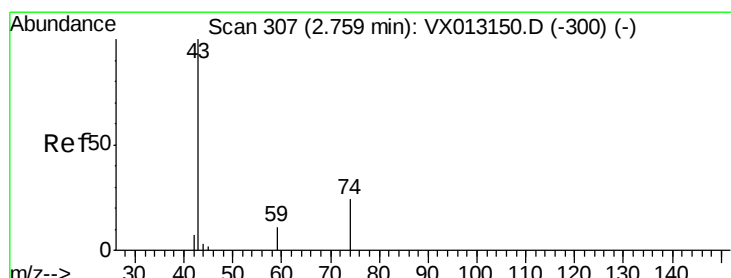
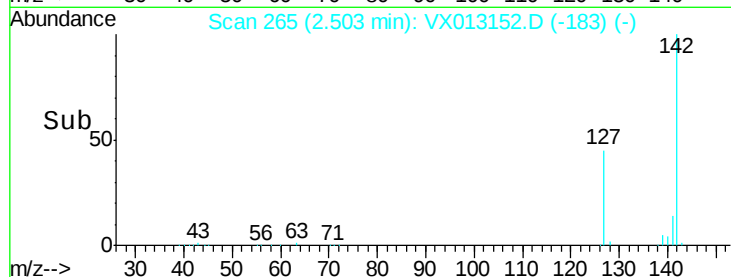
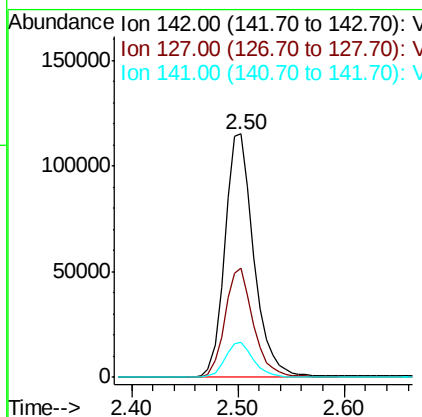
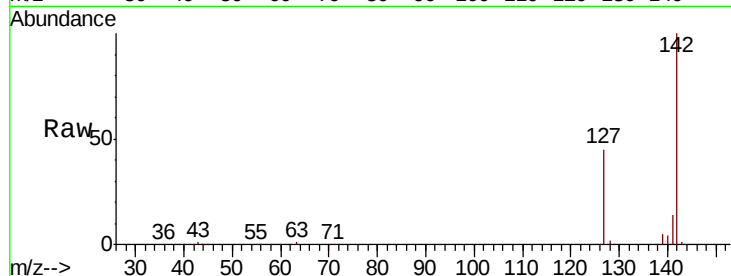
#11
Methvl Iodide
Concen: 110.229 ug/l
RT: 2.50 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
142	100		
127	44.8	22.3	66.9
141	14.2	7.1	21.3

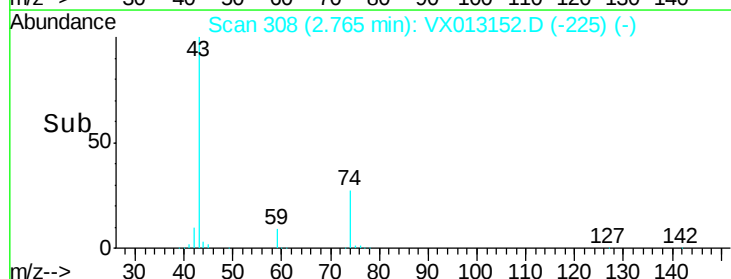
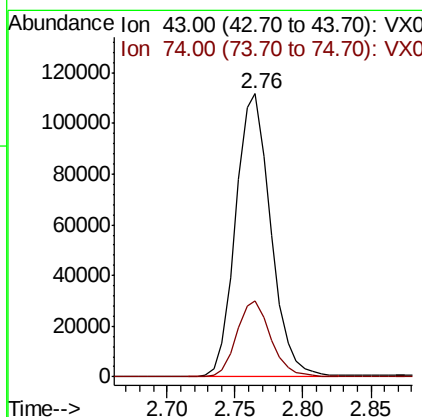
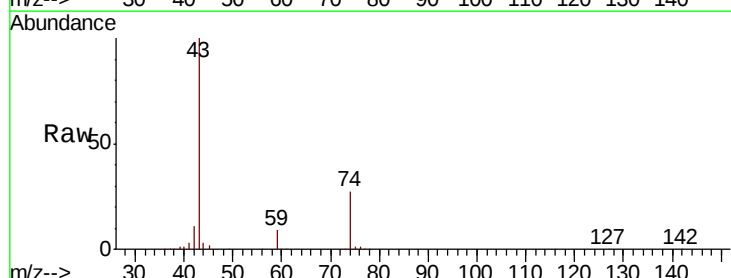
Manual Integrations
APPROVED

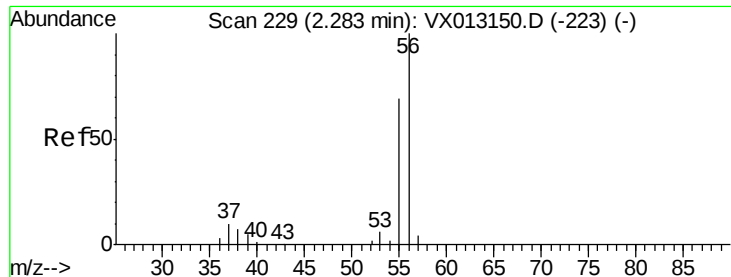
MMDadoda
10/22/2019 12:30:19 PM



#12
Methyl Acetate
Concen: 89.893 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.01 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.5	19.7	29.5





#13

Acrolein

Concen: 526.783 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013152.D

Acq: 21 Oct 2019 13:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 172158

Ion Ratio Lower Upper

56 100

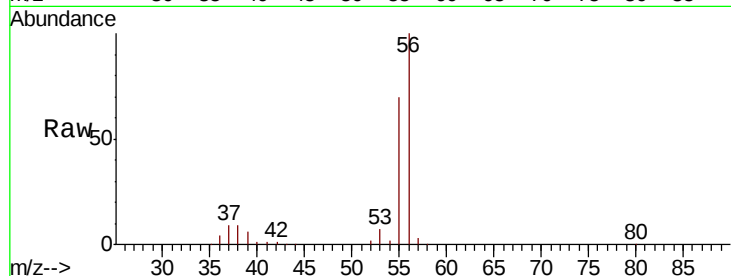
55 70.3 55.8 83.8

Manual Integrations

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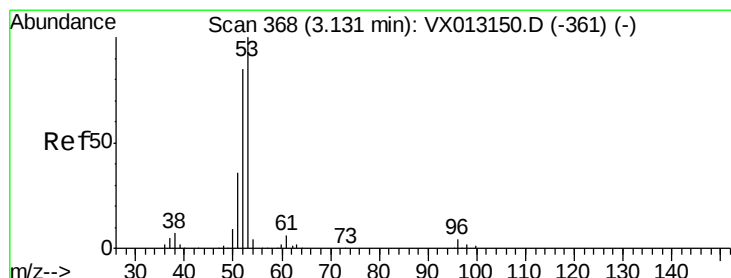
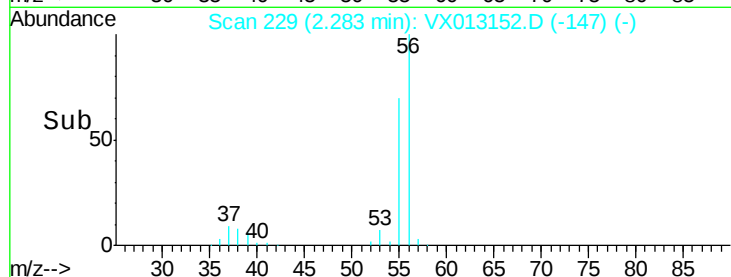
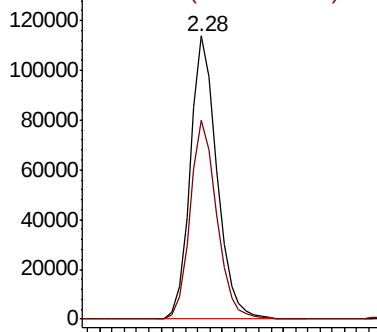
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 450.503 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013152.D

Acq: 21 Oct 2019 13:46

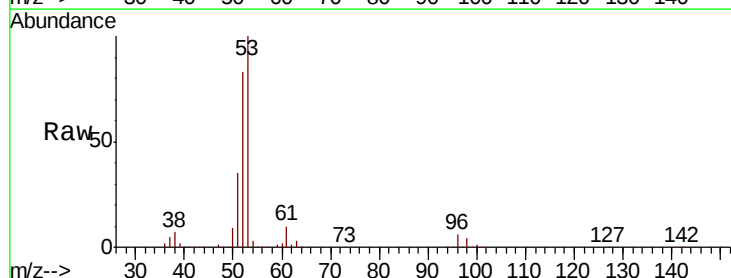
Tgt Ion: 53 Resp: 419812

Ion Ratio Lower Upper

53 100

52 82.8 42.0 126.0

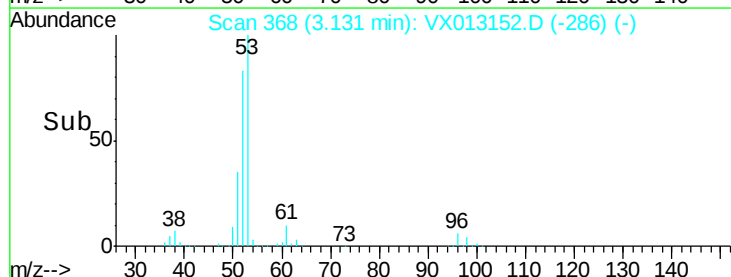
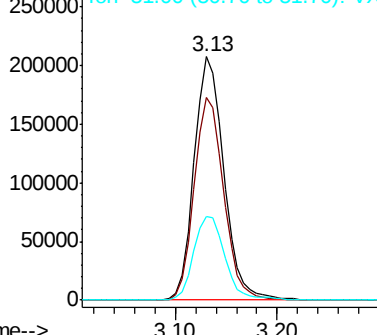
51 36.4 18.6 56.0

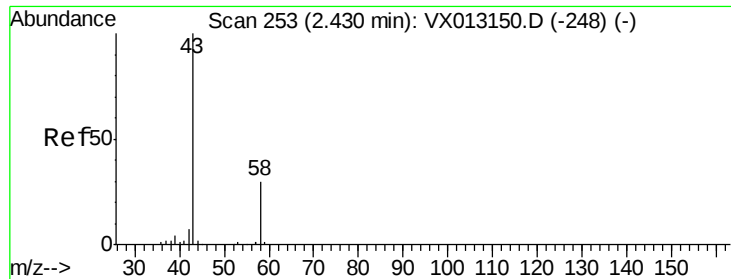


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 445.862 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013152.D

Acq: 21 Oct 2019 13:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 58 Resp: 141744

Ion Ratio Lower Upper

58 100

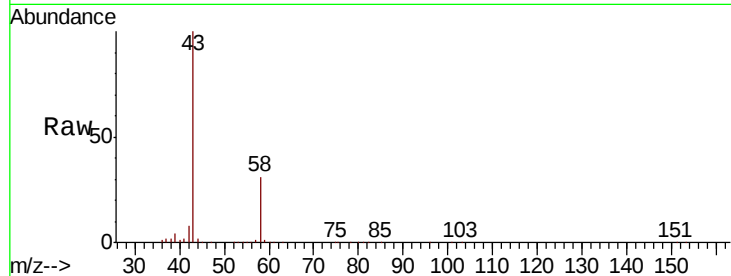
43 324.3 262.8 394.2

Manual Integrations

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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

300000

250000

200000

150000

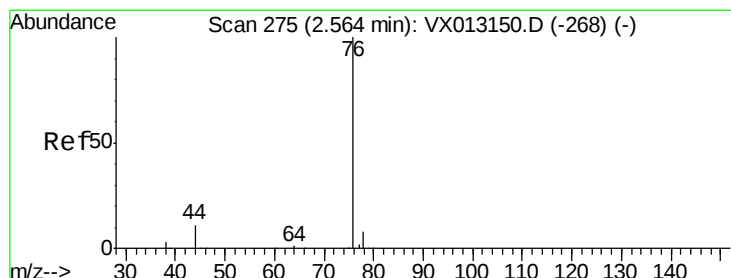
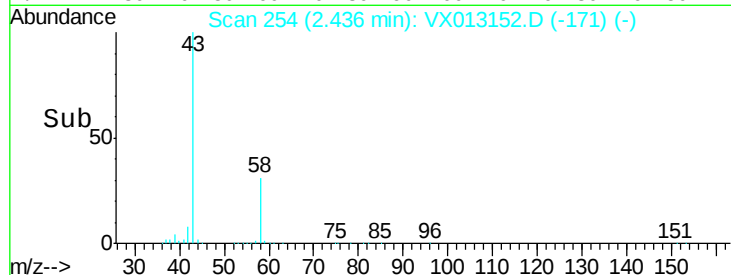
100000

50000

0

2.35 2.40 2.45 2.50

Time-->



#16

Carbon Disulfide

Concen: 98.688 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX013152.D

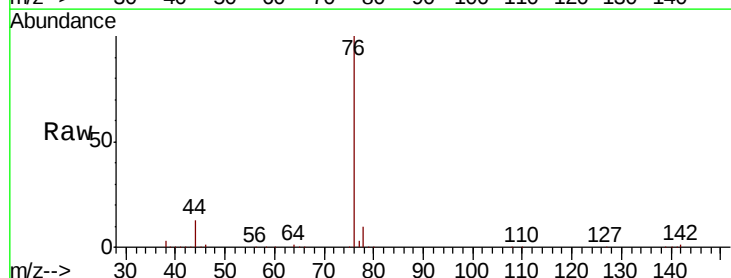
Acq: 21 Oct 2019 13:46

Tgt Ion: 76 Resp: 429436

Ion Ratio Lower Upper

76 100

78 9.5 6.6 10.0



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

300000

250000

200000

150000

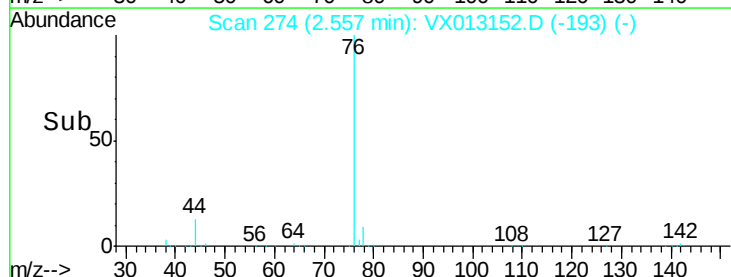
100000

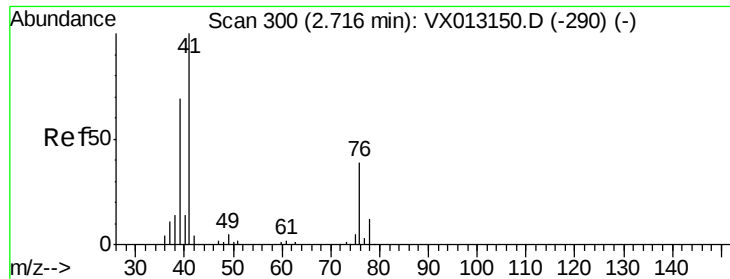
50000

0

2.50 2.60 2.70

Time-->





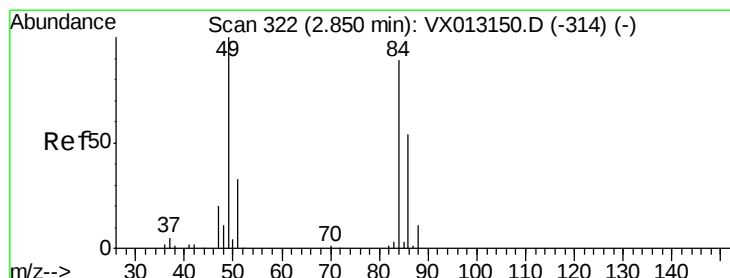
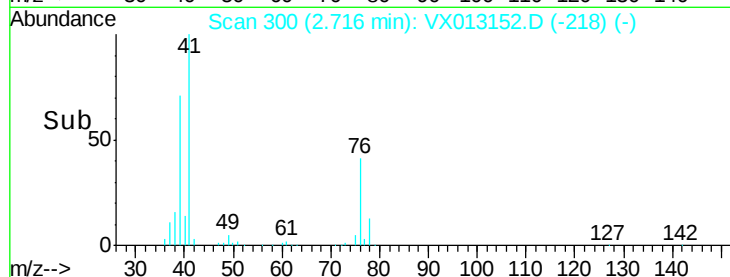
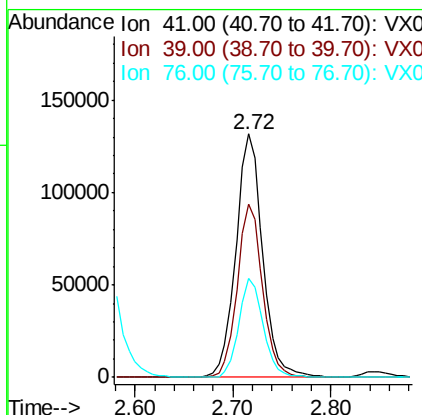
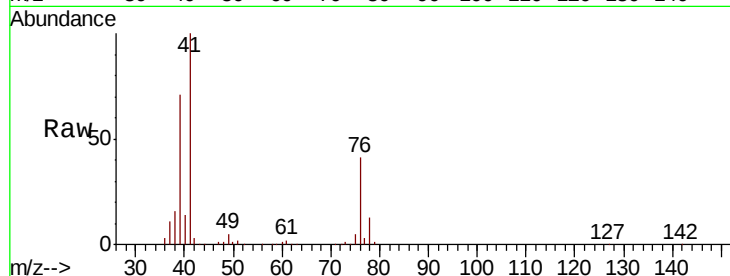
#17
Allvl chloride
Concen: 92.338 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.9	34.7	104.1
76	40.6	19.7	59.0

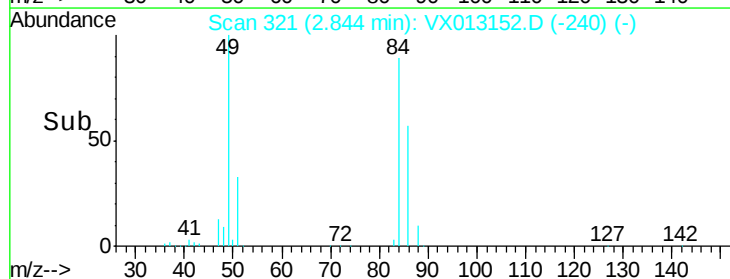
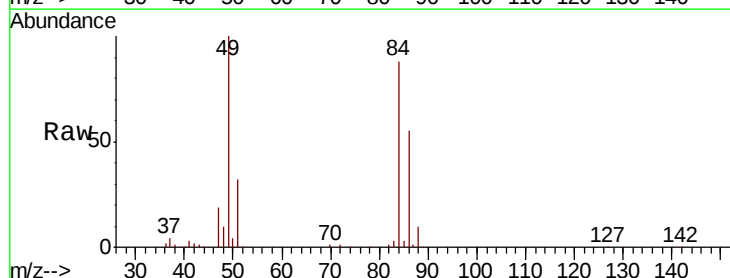
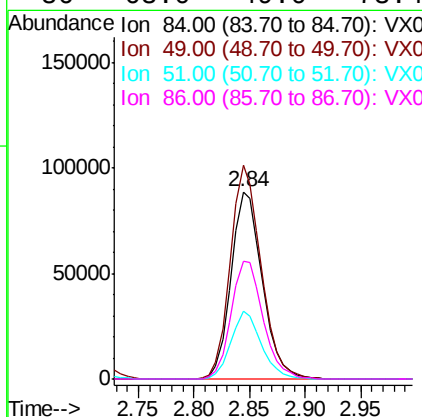
Manual Integrations
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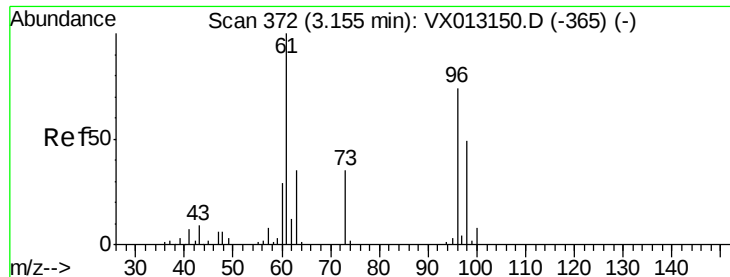
MMDadoda
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#18
Methylene Chloride
Concen: 94.004 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.0	90.3	135.5
51	36.4	29.9	44.9
86	63.0	49.0	73.4





#19

trans-1,2-Dichloroethene

Concen: 96.826 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013152.D

Acq: 21 Oct 2019 13:46

Instrument :

MSVOA_X

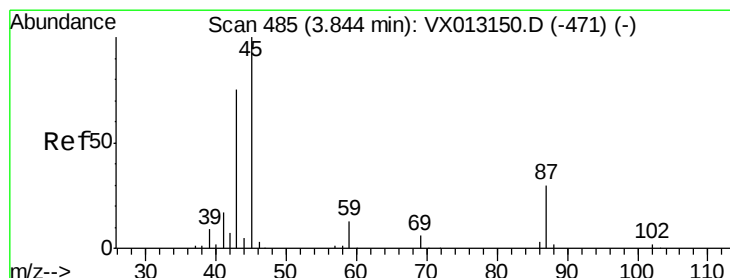
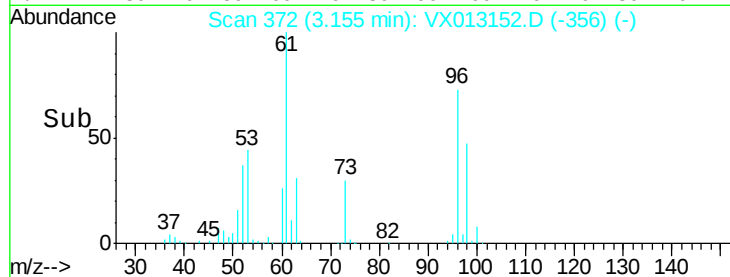
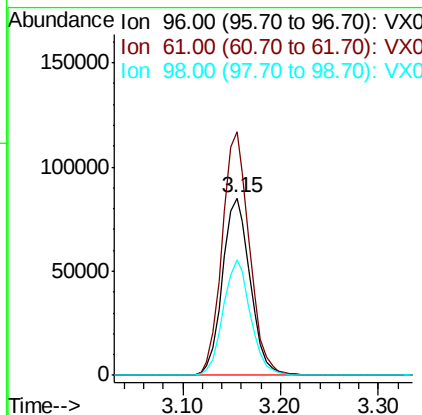
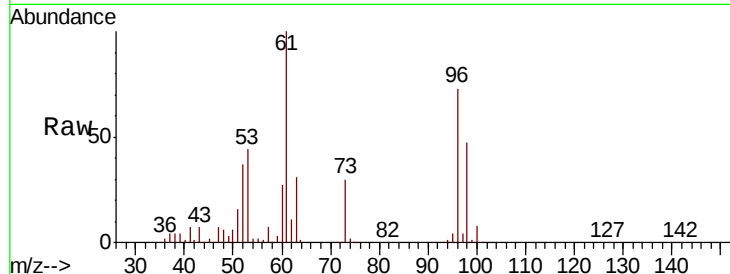
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	166578
Ion	Ratio	Lower	Upper
96	100		
61	137.1	108.6	162.8
98	64.9	53.4	80.0

Manual Integrations
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#20

Diisopropyl ether

Concen: 92.682 ug/l

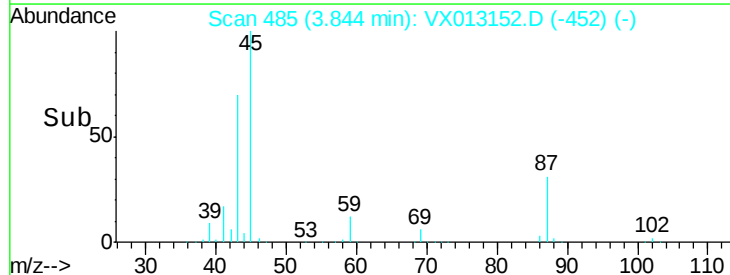
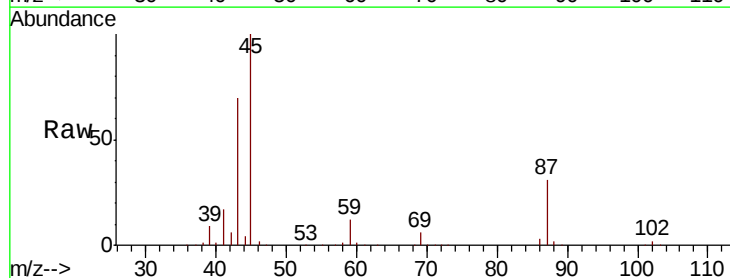
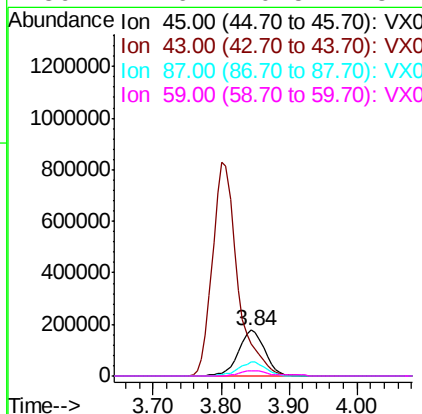
RT: 3.84 min Scan# 485

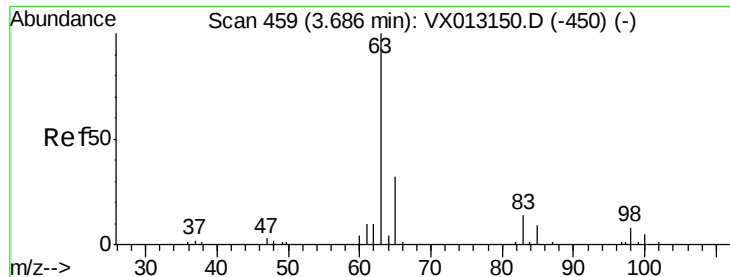
Delta R.T. -0.00 min

Lab File: VX013152.D

Acq: 21 Oct 2019 13:46

Tgt Ion:	45	Resp:	479842
Ion	Ratio	Lower	Upper
45	100		
43	69.6	60.6	91.0
87	30.6	24.2	36.2
59	11.6	10.5	15.7





#21

1,1-Dichloroethane

Concen: 96.138 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013152.D

Acq: 21 Oct 2019 13:46

Instrument :

MSVOA_X

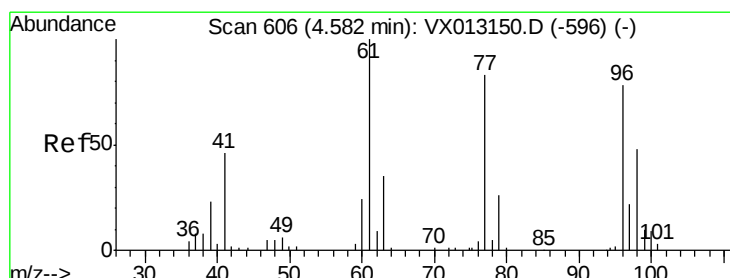
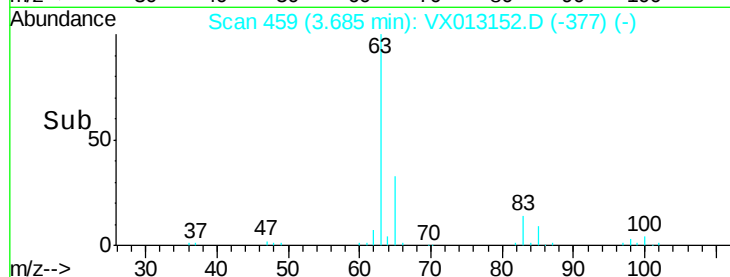
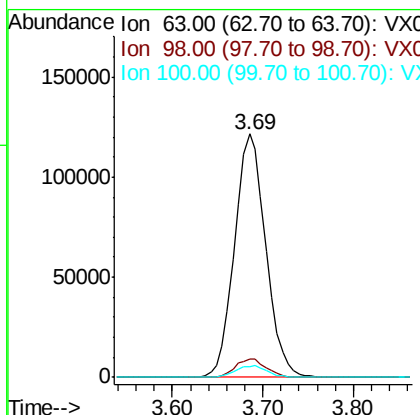
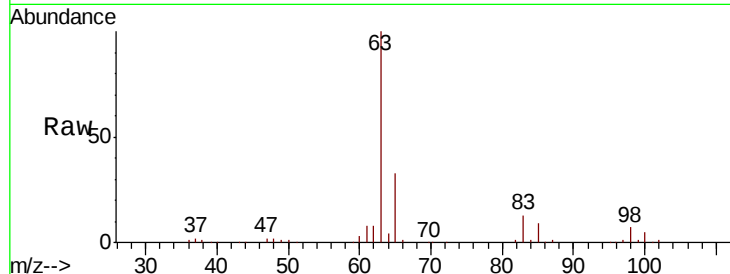
ClientSampleId :

VSTDIC100

Tot Ion:	63	Resp:	289860
Ion Ratio		Lower	Upper
63	100		
98	7.3	4.2	12.4
100	4.6	2.4	7.2

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 94.599 ug/l

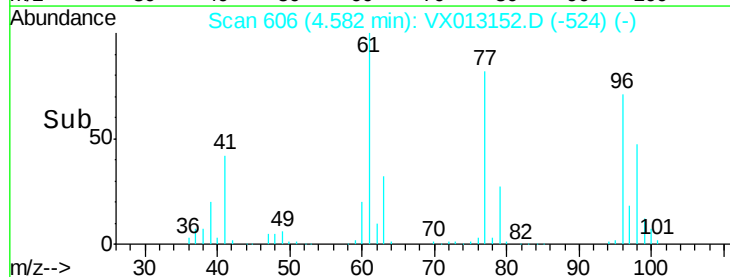
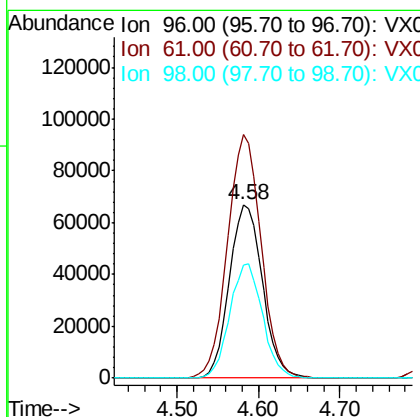
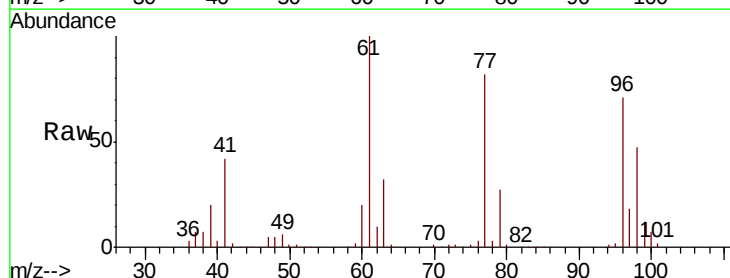
RT: 4.58 min Scan# 606

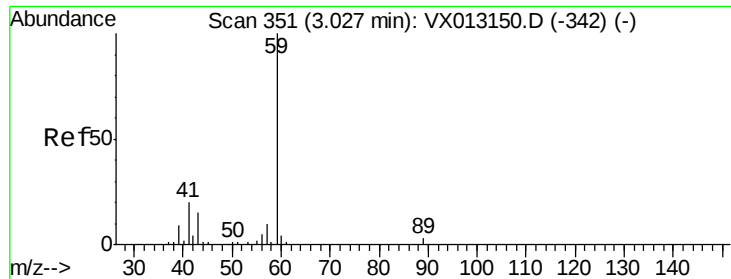
Delta R.T. -0.00 min

Lab File: VX013152.D

Acq: 21 Oct 2019 13:46

Tgt Ion:	96	Resp:	187835
Ion Ratio		Lower	Upper
96	100		
61	142.9	112.5	168.7
98	65.2	51.2	76.8





#23

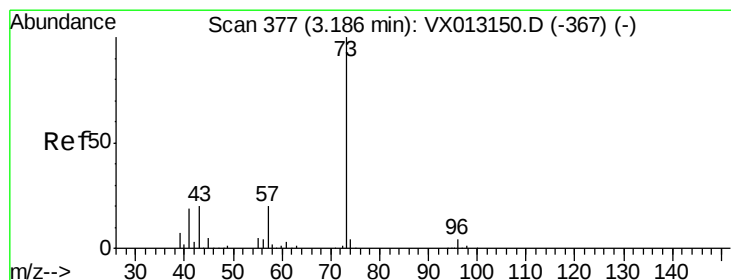
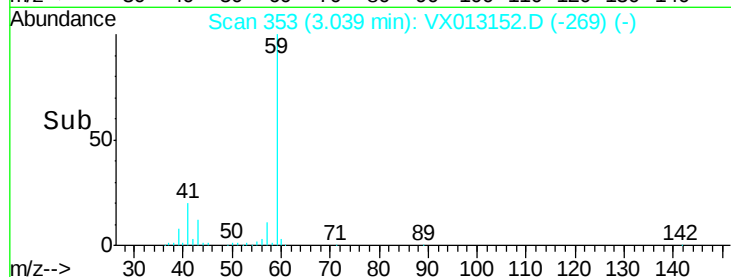
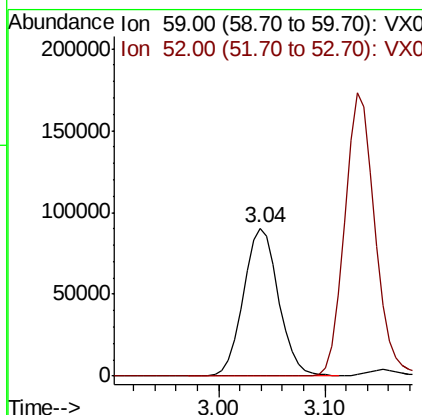
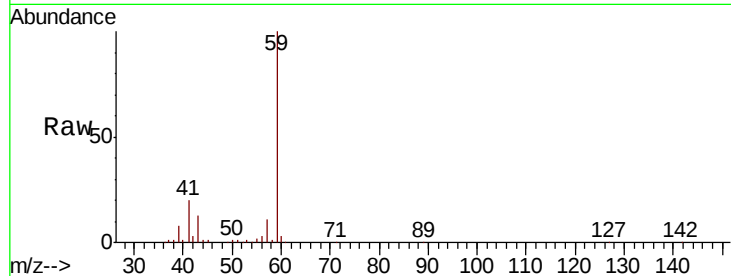
tert-Butyl Alcohol
 Concen: 442.466 ug/l
 RT: 3.04 min Scan# 353
 Delta R.T. 0.01 min
 Lab File: VX013152.D
 Acq: 21 Oct 2019 13:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	59	52	Ratio	Lower	Upper
210008	100	0.1		0.0	0.0#

Manual Integrations
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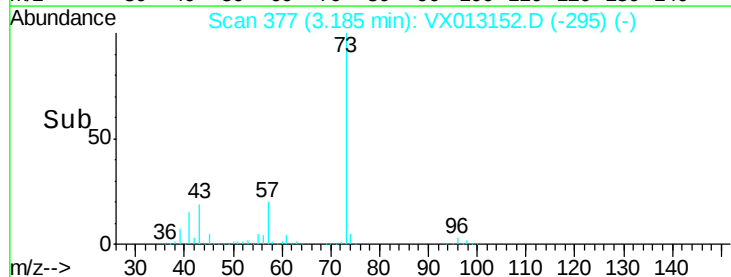
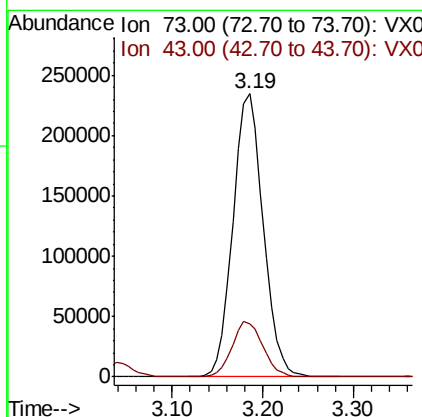
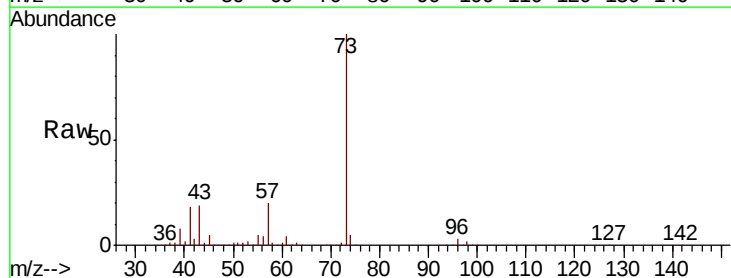
MMDadoda
 10/22/2019 12:30:19 PM

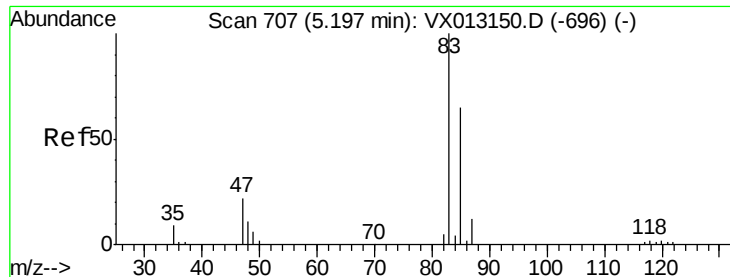


#24

Methyl tert-Butyl Ether
 Concen: 99.206 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. -0.00 min
 Lab File: VX013152.D
 Acq: 21 Oct 2019 13:46

Tgt Ion	73	43	Ratio	Lower	Upper
543841	100	20.0		17.1	25.7





#25

Chloroform

Concen: 97.953 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.00 min

Lab File: VX013152.D

Acq: 21 Oct 2019 13:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 306277

Ion Ratio Lower Upper

83 100

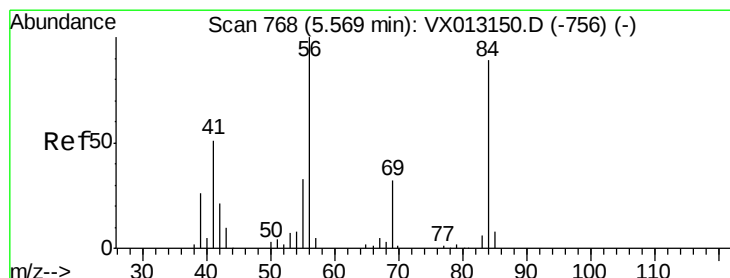
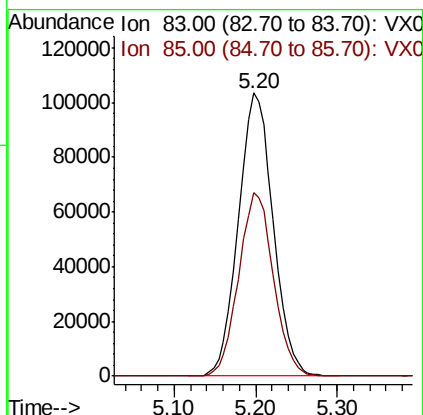
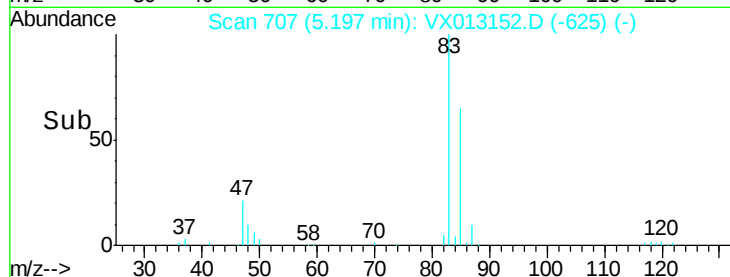
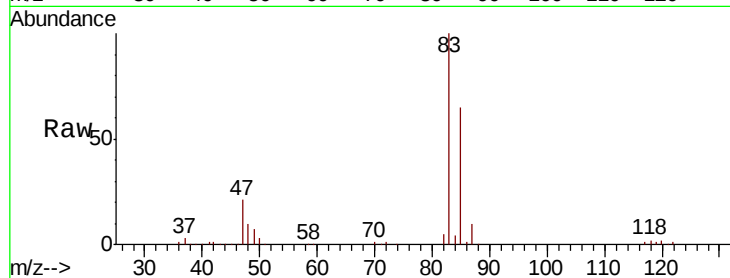
85 64.7 52.0 78.0

Manual Integrations

APPROVED

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#26

Cyclohexane

Concen: 94.346 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX013152.D

Acq: 21 Oct 2019 13:46

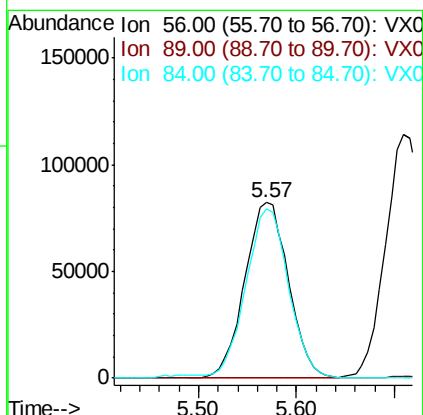
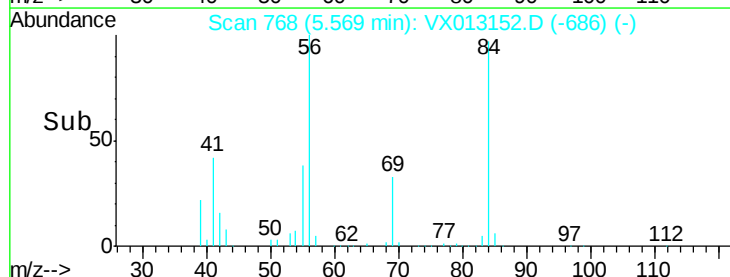
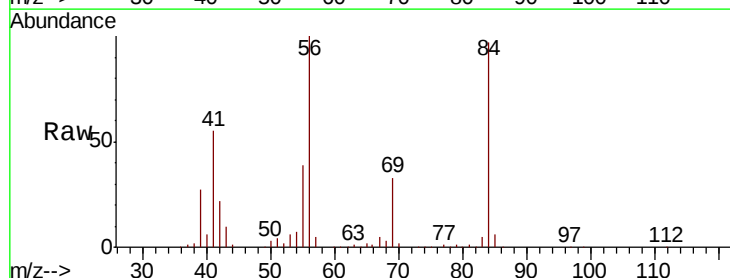
Tgt Ion: 56 Resp: 256619

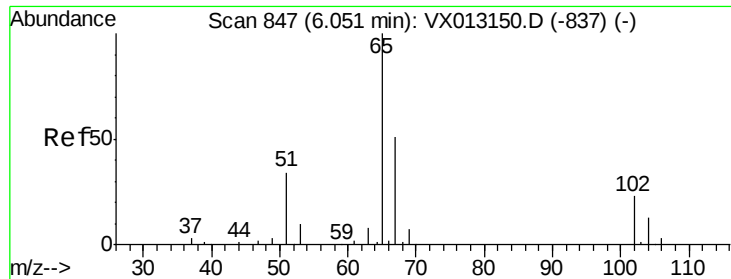
Ion Ratio Lower Upper

56 100

89 0.0 0.2 0.2#

84 94.9 74.0 111.0





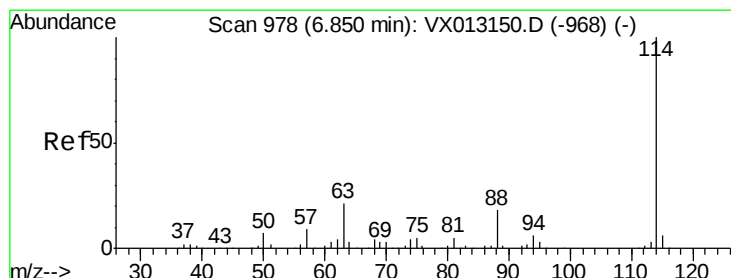
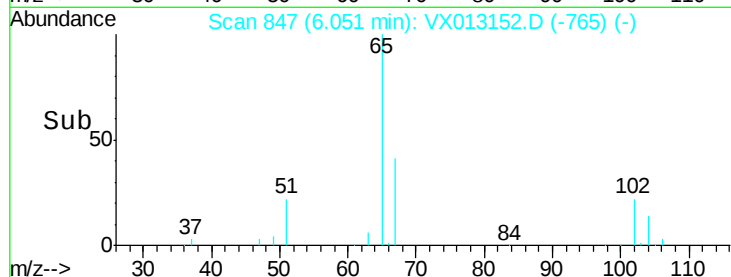
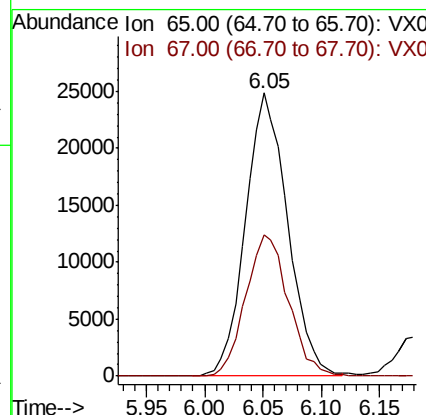
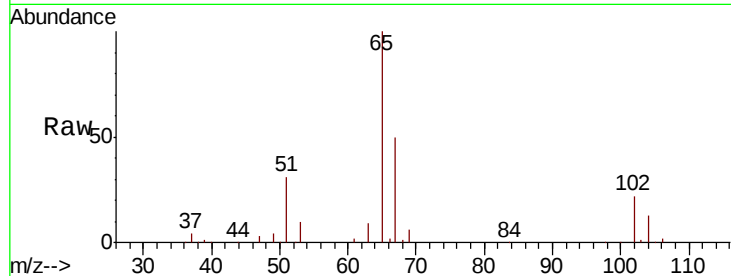
#27
 1,2-Dichloroethane-d4
 Concen: 30.564 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013152.D
 Acq: 21 Oct 2019 13:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.7	42.2	63.4

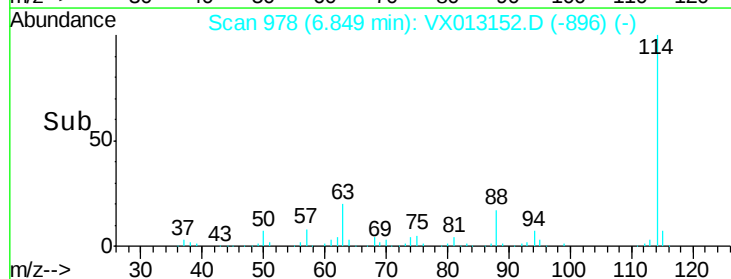
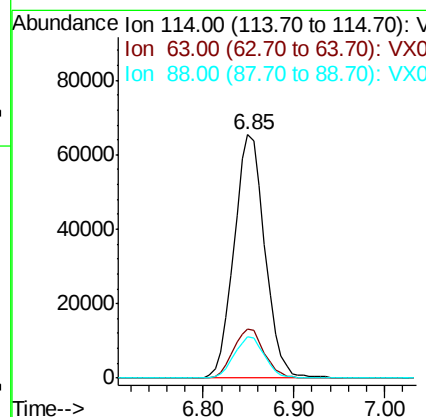
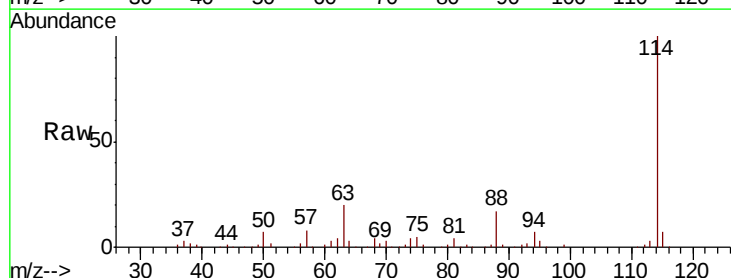
Manual Integrations
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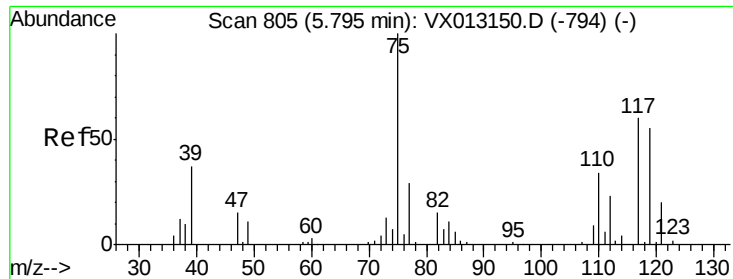
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013152.D
 Acq: 21 Oct 2019 13:46

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.1	16.1	24.1
88	16.7	13.7	20.5





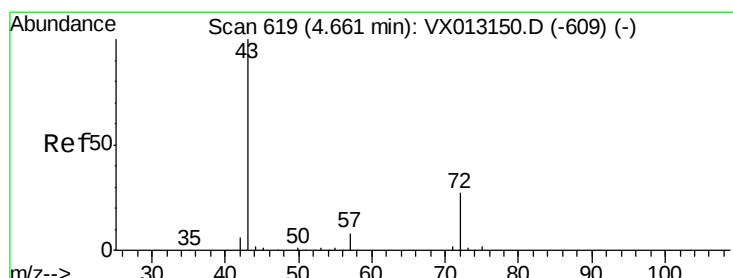
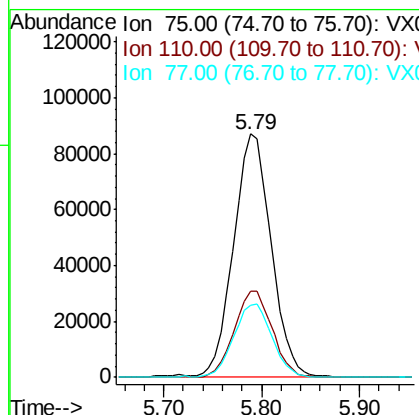
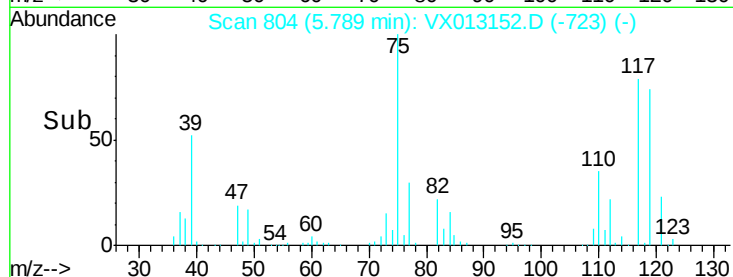
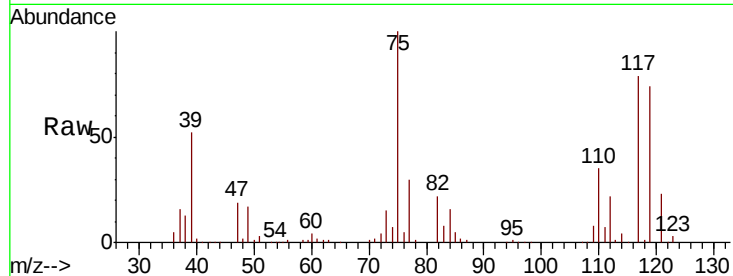
#29
 1,1-Dichloropropene
 Concen: 96.840 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX013152.D
 Acq: 21 Oct 2019 13:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.1	0.0	68.4
77	30.9	0.0	30.8

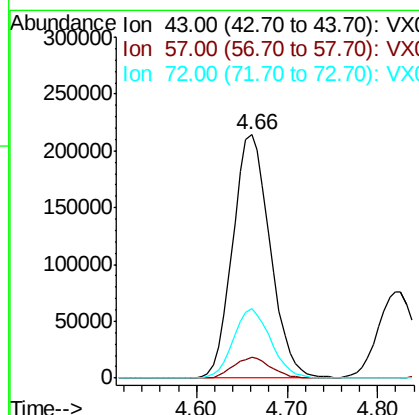
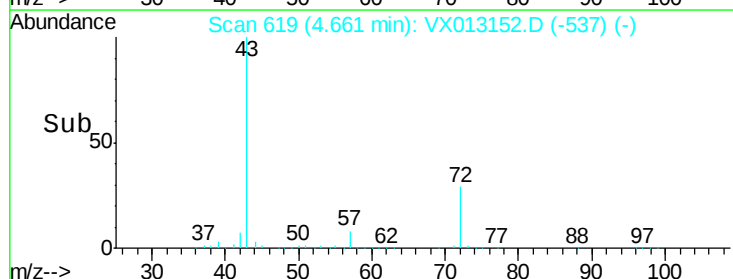
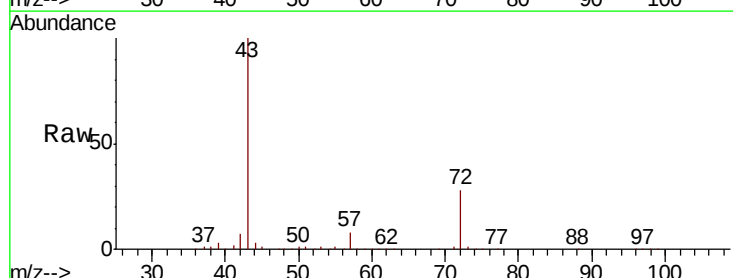
Manual Integrations
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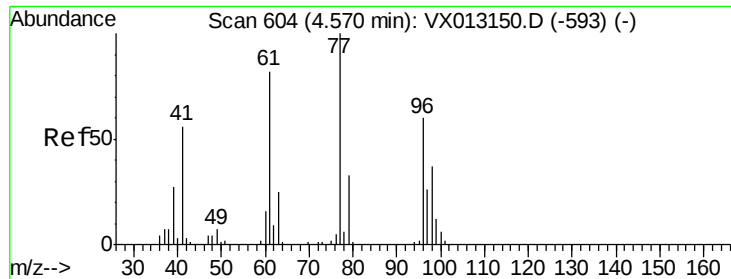
MMDadoda
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#30
 2-Butanone
 Concen: 446.721 ug/l
 RT: 4.66 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: VX013152.D
 Acq: 21 Oct 2019 13:46

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.6	7.0	10.6
72	28.4	23.4	35.2





#31

2,2-Dichloropropane

Concen: 101.968 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX013152.D

Acq: 21 Oct 2019 13:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 77 Resp: 273989

Ion Ratio Lower Upper

77 100

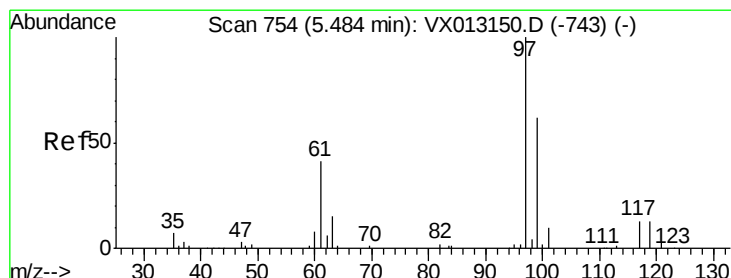
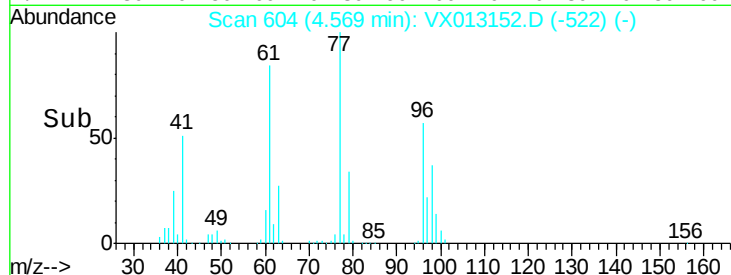
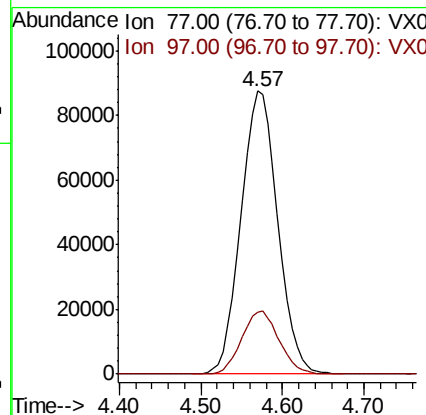
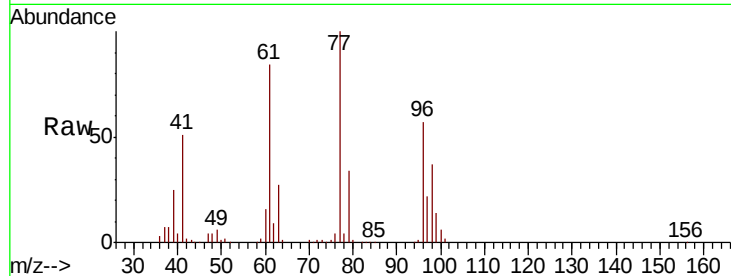
97 22.7 19.1 28.7

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 100.428 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX013152.D

Acq: 21 Oct 2019 13:46

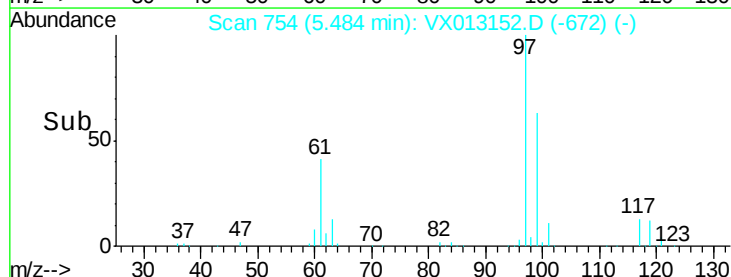
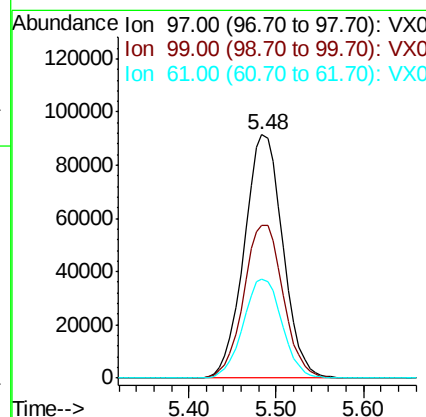
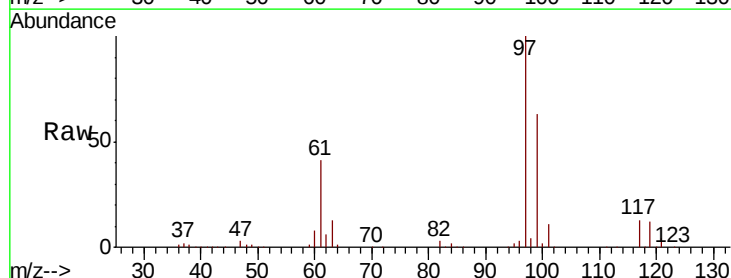
Tgt Ion: 97 Resp: 281371

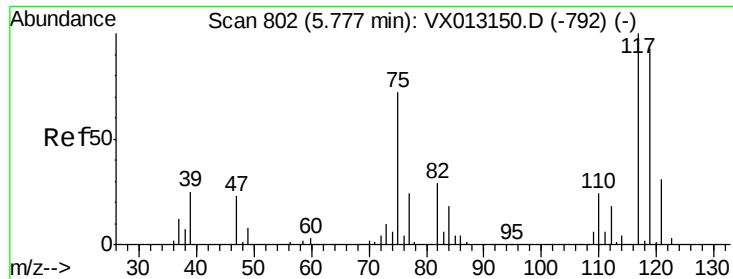
Ion Ratio Lower Upper

97 100

99 64.1 51.8 77.8

61 41.0 33.5 50.3





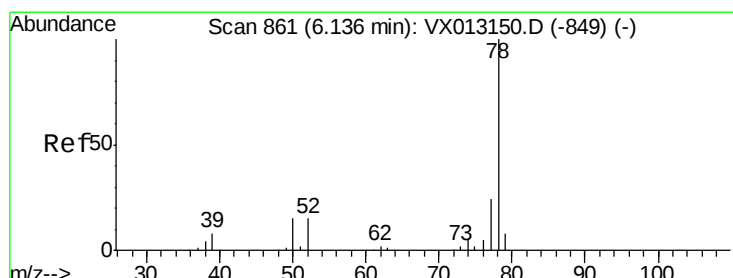
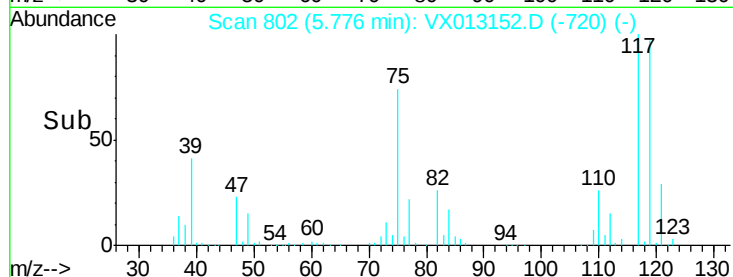
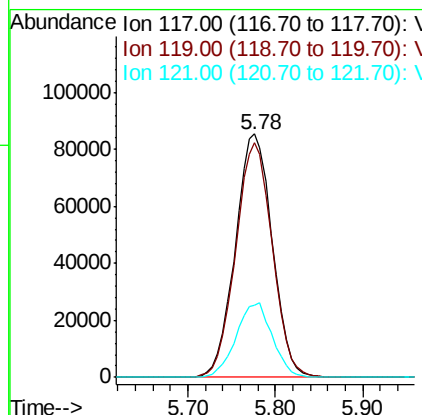
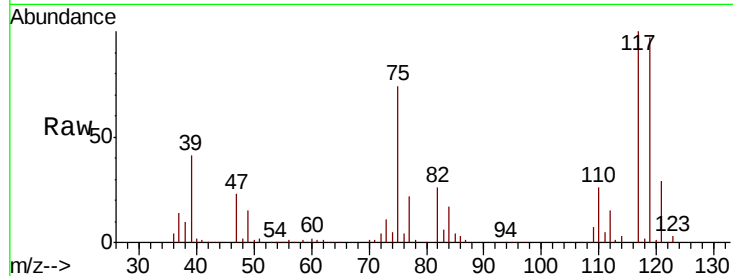
#33
Carbon Tetrachloride
Concen: 104.337 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.6	74.9	112.3
121	29.5	25.0	37.4

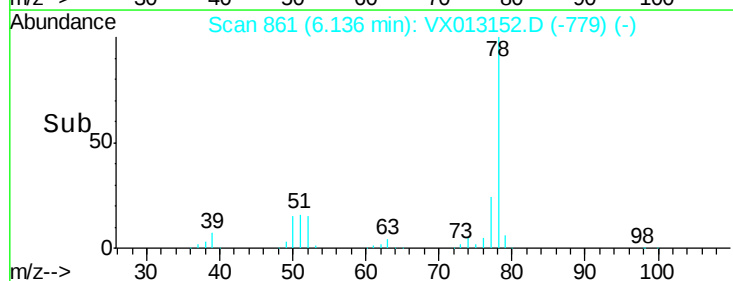
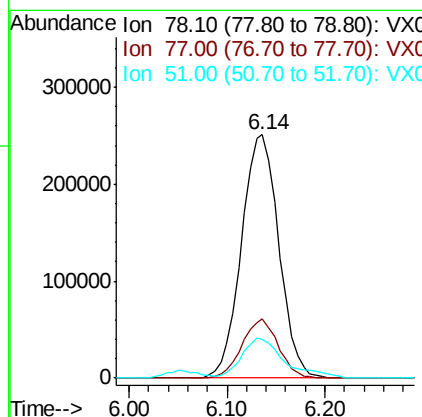
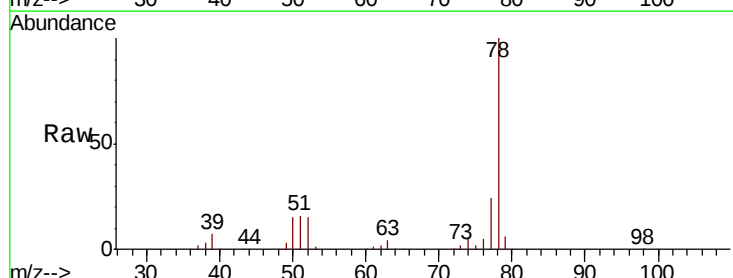
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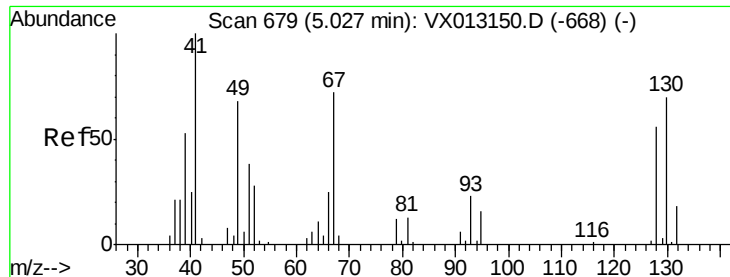
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#34
Benzene
Concen: 95.330 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9
51	15.5	11.4	17.2





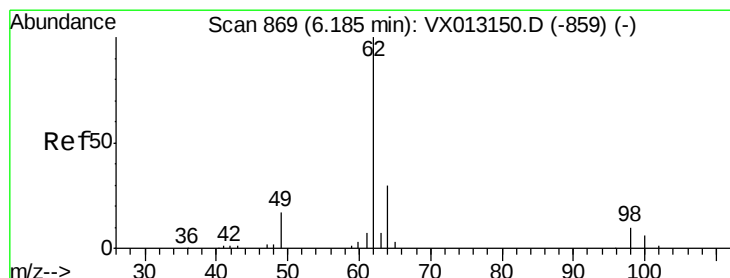
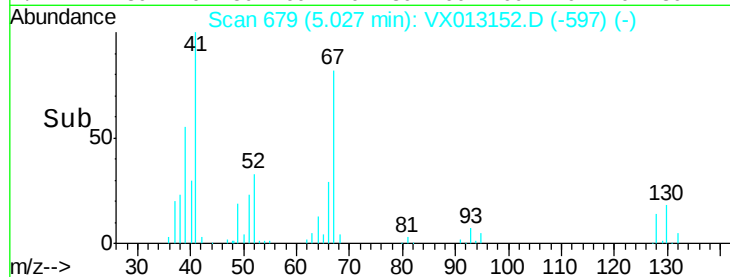
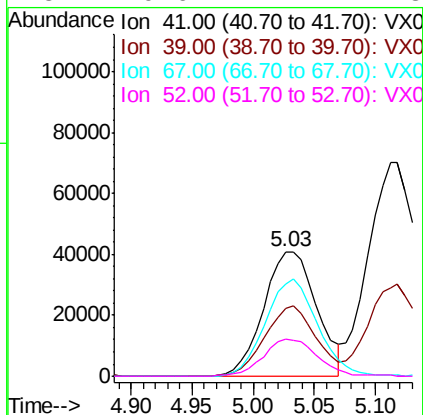
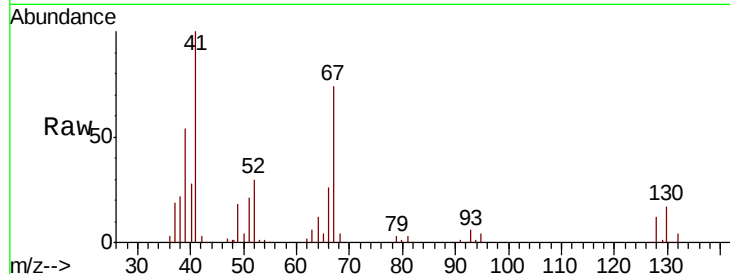
#35
Methacrylonitrile
Concen: 91.342 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:	41	Resp:	123594
Ion Ratio	Lower	Upper	
41	100		
39	54.3	26.3	78.9
67	73.7	35.8	107.4
52	29.6	14.1	42.3

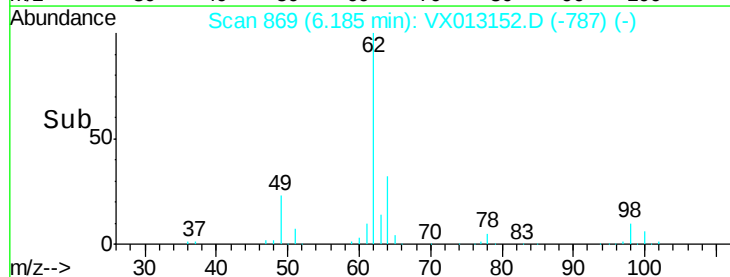
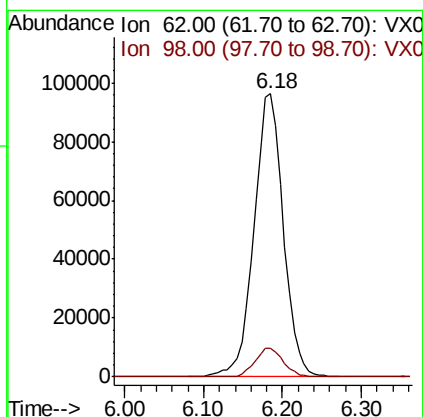
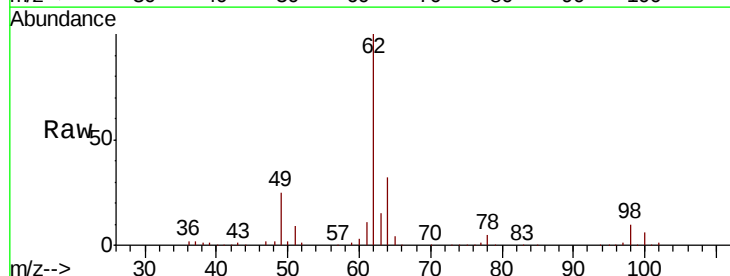
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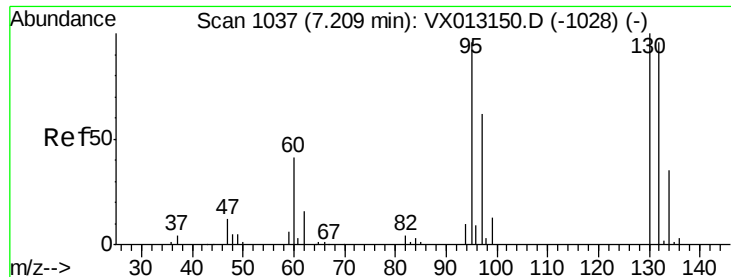
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#36
1,2-Dichloroethane
Concen: 96.989 ug/l
RT: 6.18 min Scan# 869
Delta R.T. -0.00 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Tgt Ion:	62	Resp:	248488
Ion Ratio	Lower	Upper	
62	100		
98	9.8	8.0	12.0





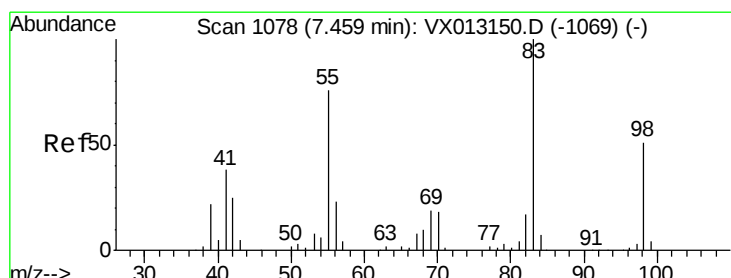
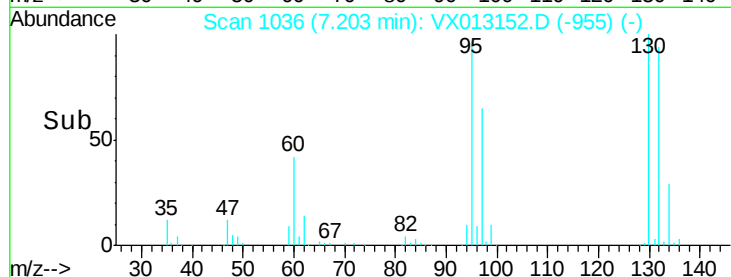
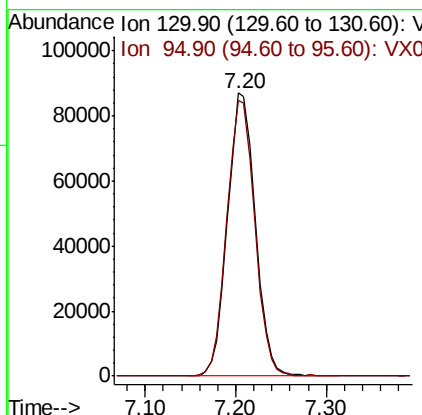
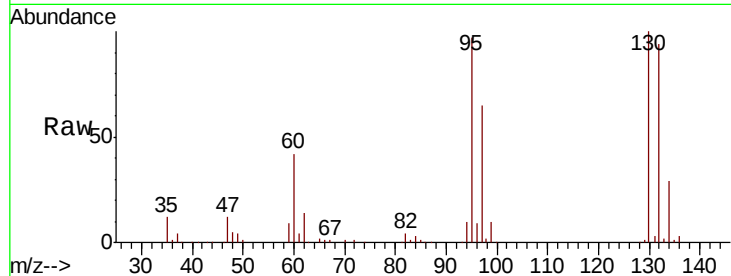
#37
 Trichloroethene
 Concen: 98.045 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX013152.D
 Acq: 21 Oct 2019 13:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:130 Resp: 185391
 Ion Ratio Lower Upper
 130 100
 95 97.4 77.0 115.6

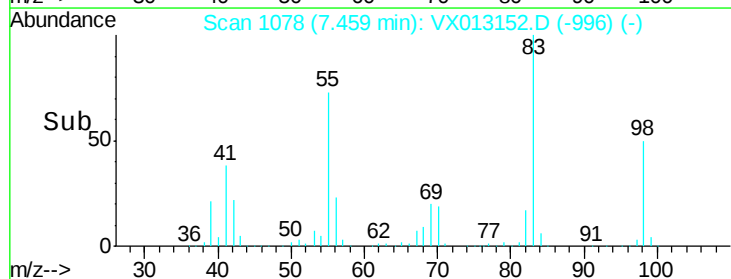
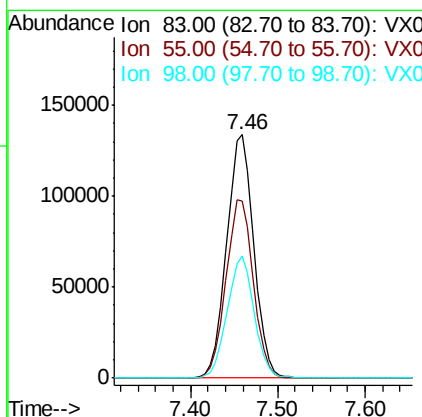
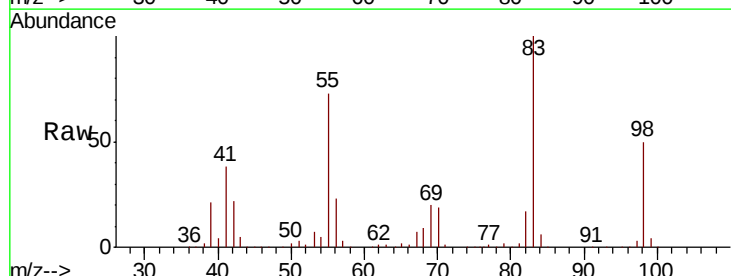
Manual Integrations
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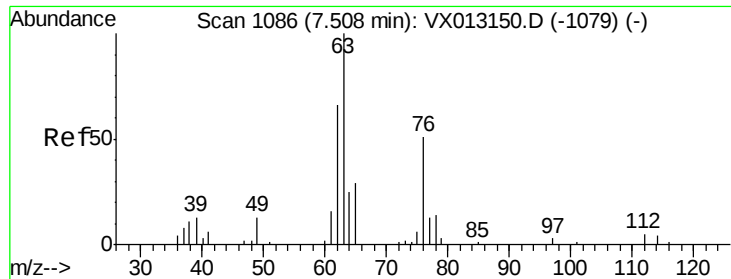
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#38
 Methylcyclohexane
 Concen: 99.442 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. -0.00 min
 Lab File: VX013152.D
 Acq: 21 Oct 2019 13:46

Tgt Ion: 83 Resp: 289070
 Ion Ratio Lower Upper
 83 100
 55 73.7 37.5 112.5
 98 49.8 25.4 76.0





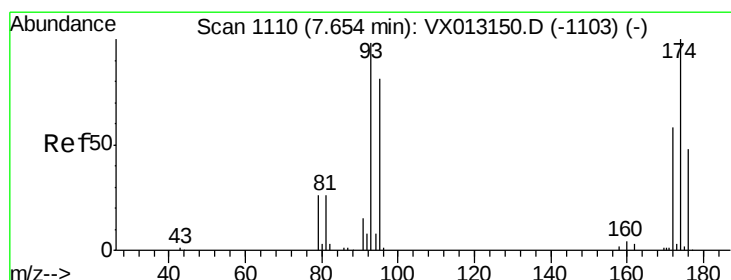
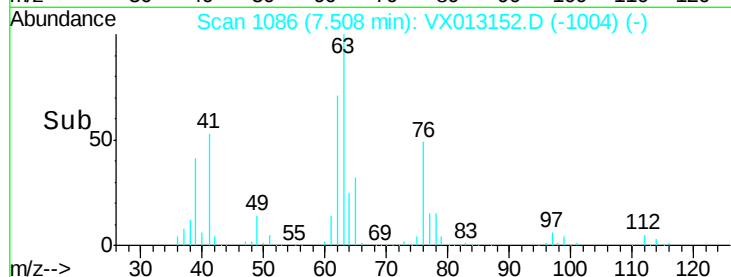
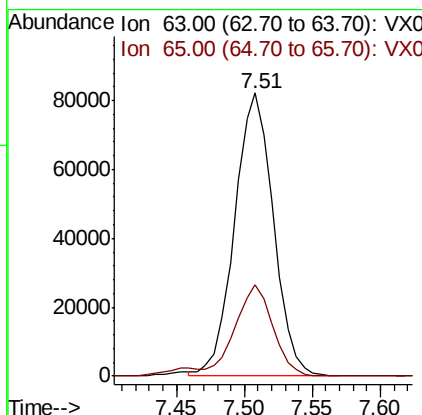
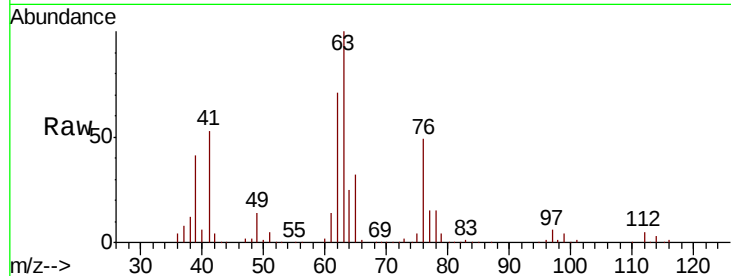
#39
 1,2-Dichloropropane
 Concen: 93.796 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX013152.D
 Acq: 21 Oct 2019 13:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 163994
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.8 37.2

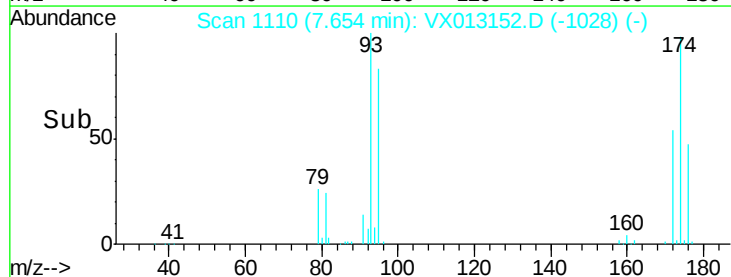
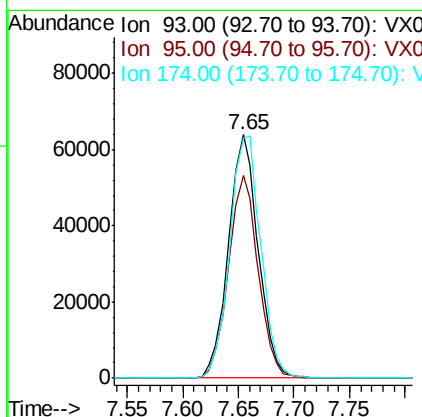
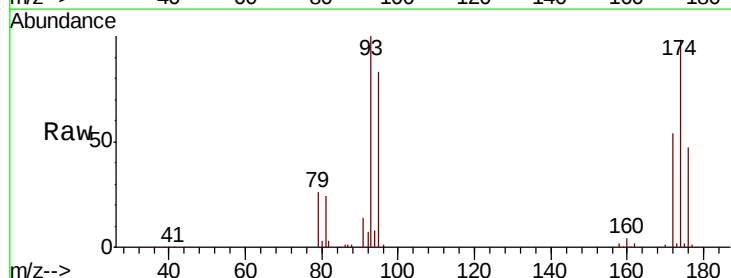
Manual Integrations
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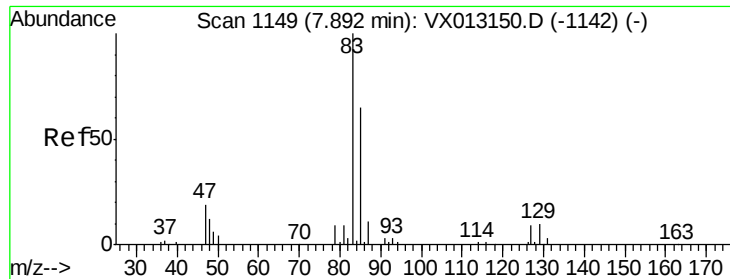
MMDadoda
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#40
 Dibromomethane
 Concen: 97.783 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013152.D
 Acq: 21 Oct 2019 13:46

Tgt Ion: 93 Resp: 118208
 Ion Ratio Lower Upper
 93 100
 95 83.0 0.0 166.0
 174 103.6 0.0 208.8





#41

Bromodichloromethane

Concen: 101.137 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013152.D

Acq: 21 Oct 2019 13:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 242646
Ion Ratio Lower Upper

83 100

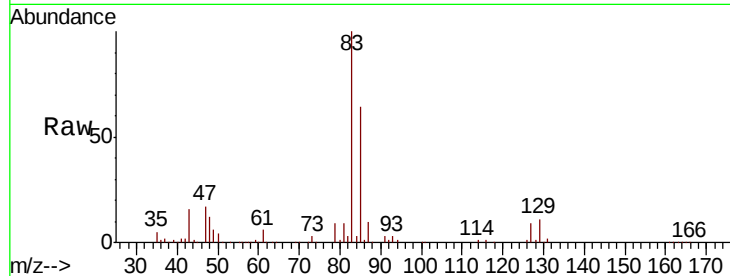
85 63.9 52.1 78.1

127 8.7 7.5 11.3

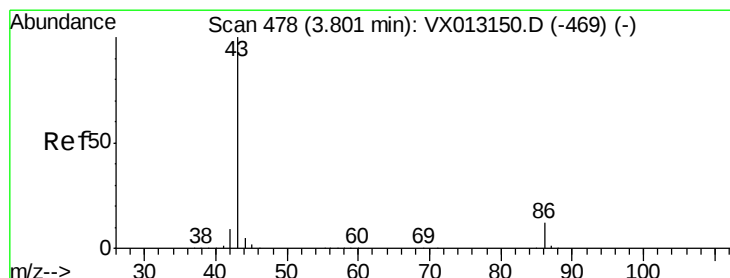
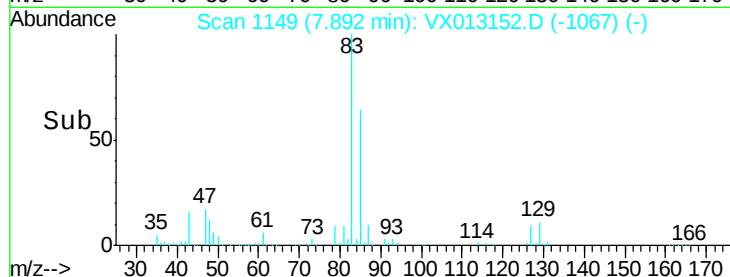
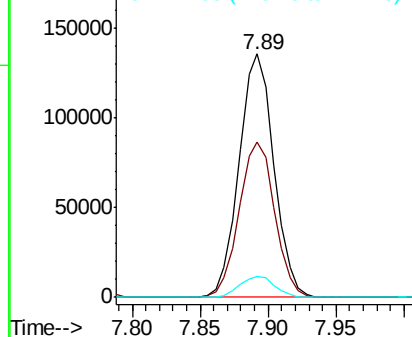
Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 85.00 (84.70 to 85.70): VX0
Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 468.756 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

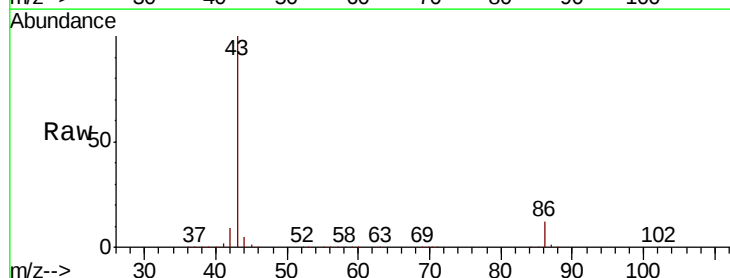
Lab File: VX013152.D

Acq: 21 Oct 2019 13:46

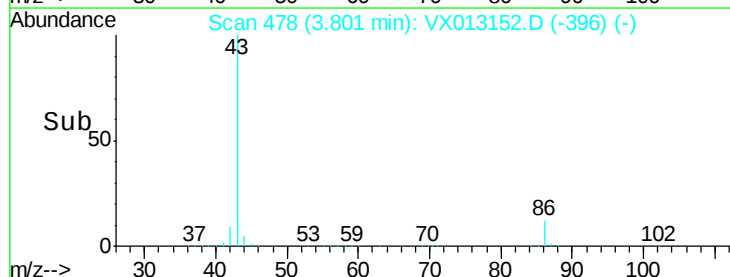
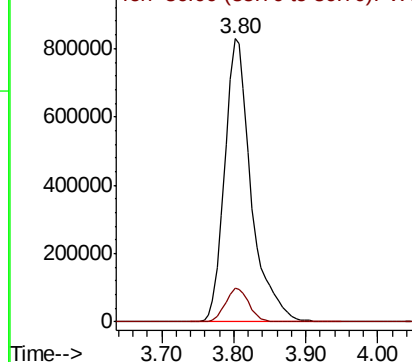
Tgt Ion: 43 Resp: 2126331
Ion Ratio Lower Upper

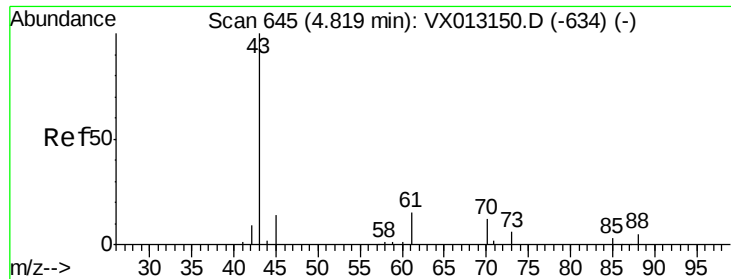
43 100

86 10.7 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0





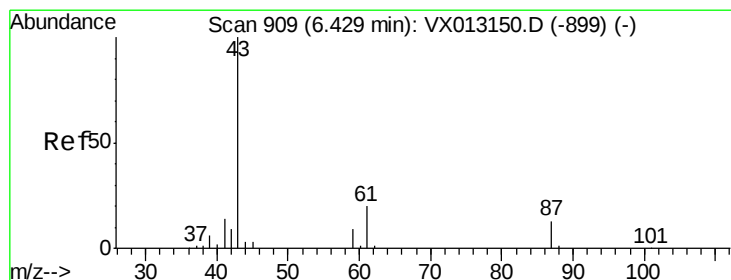
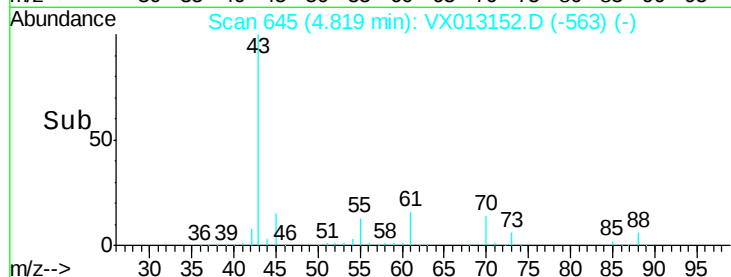
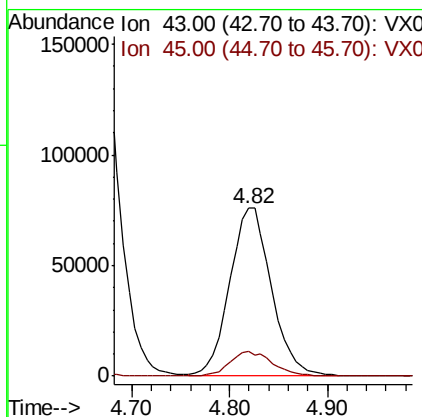
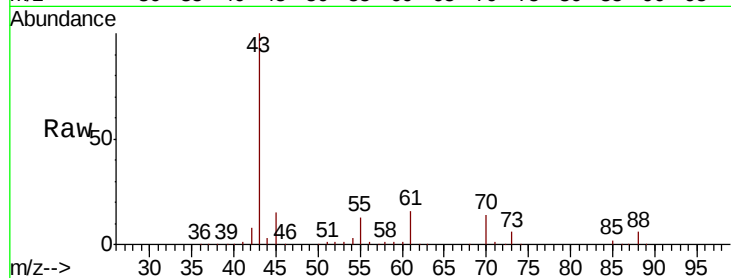
#43
Ethyl Acetate
Concen: 90.649 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 224781
Ion Ratio Lower Upper
43 100
45 15.1 12.6 18.8

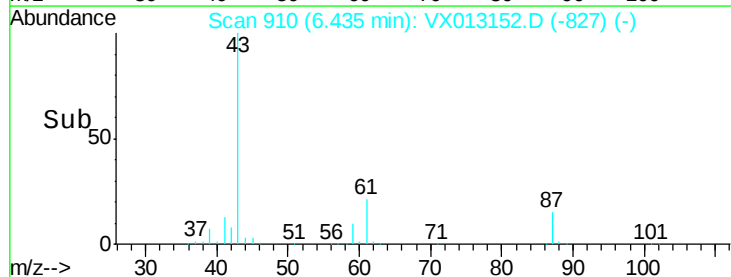
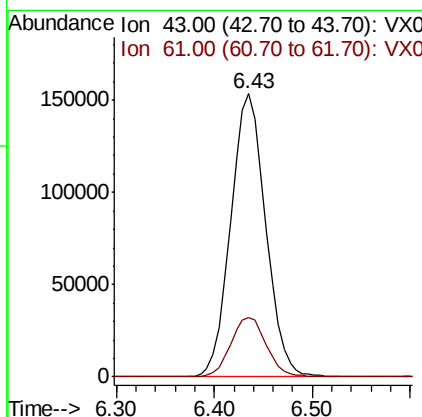
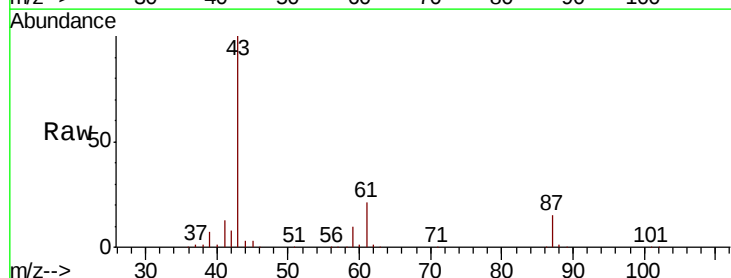
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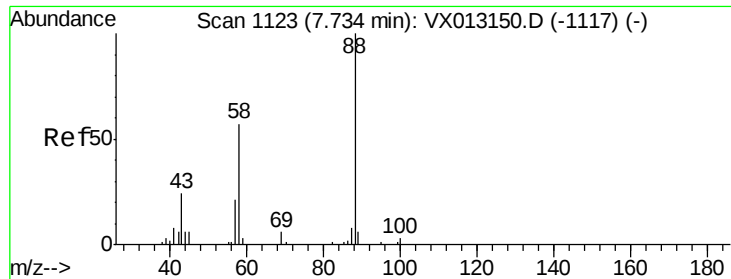
MMDadoda
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#44
Isopropyl Acetate
Concen: 94.776 ug/l
RT: 6.43 min Scan# 910
Delta R.T. 0.01 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Tgt Ion: 43 Resp: 380050
Ion Ratio Lower Upper
43 100
61 21.5 16.8 25.2





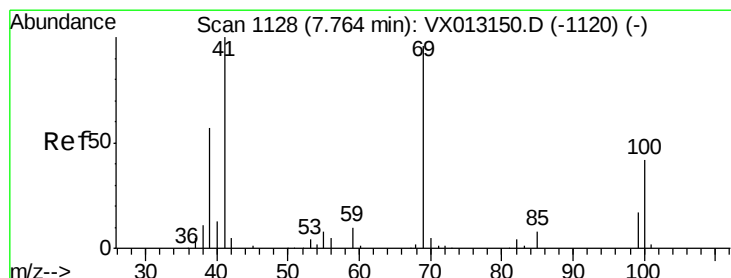
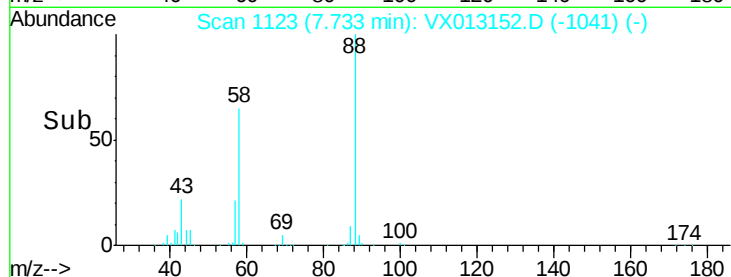
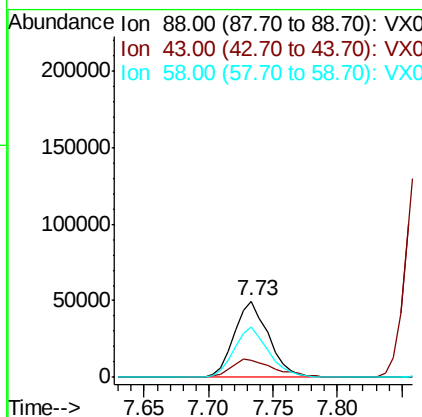
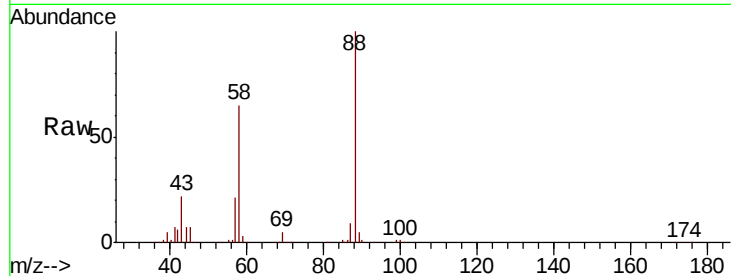
#45
1,4-Dioxane
Concen: 1837.094 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.3	24.0	36.0
58	66.7	52.8	79.2

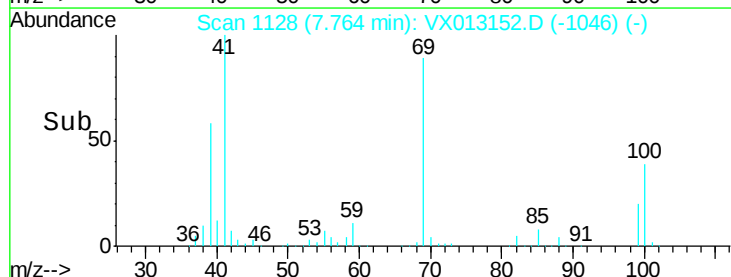
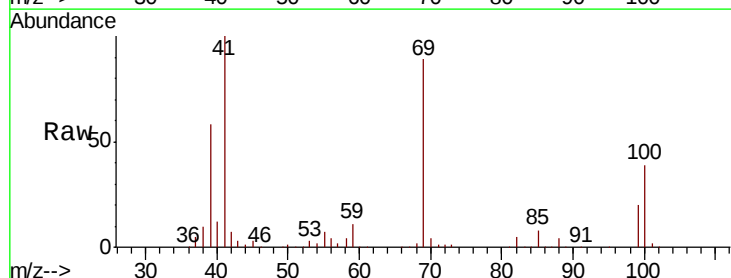
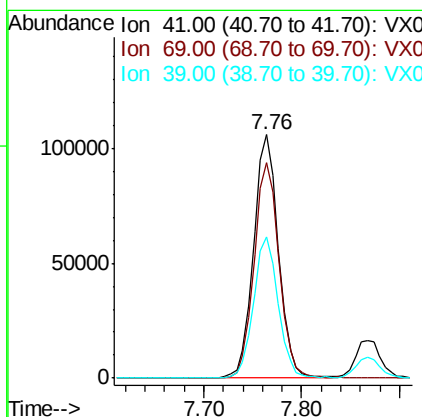
Manual Integrations
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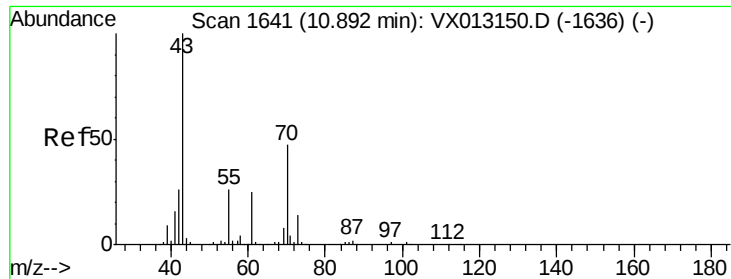
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#46
Methyl methacrylate
Concen: 94.577 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.6	47.8	143.3
39	57.8	28.5	85.5





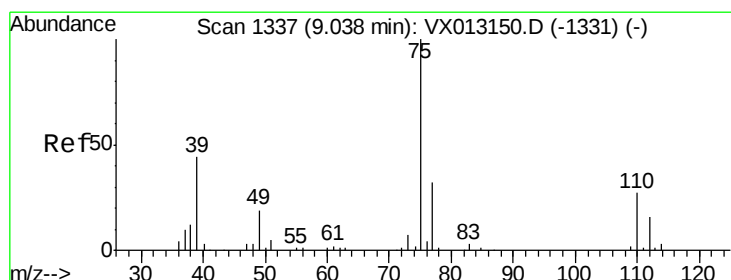
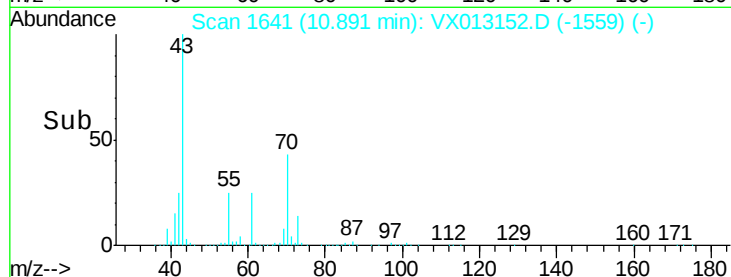
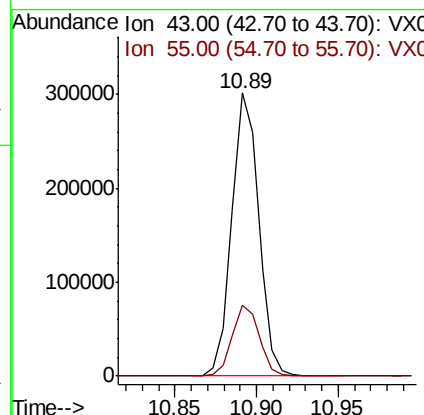
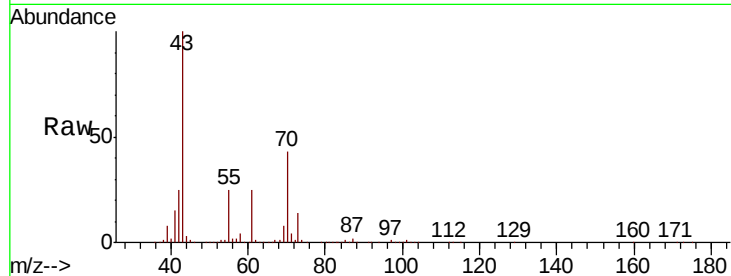
#47
n-amvl Acetate
Concen: 101.220 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 345899
Ion Ratio Lower Upper
43 100
55 25.3 20.9 31.3

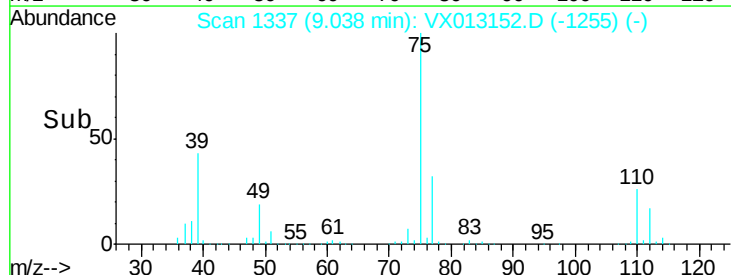
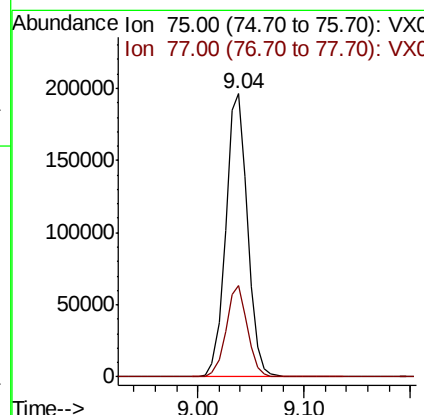
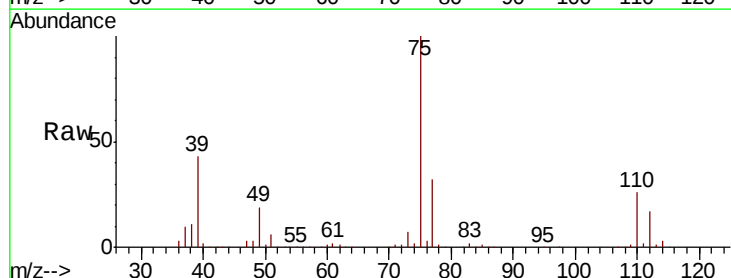
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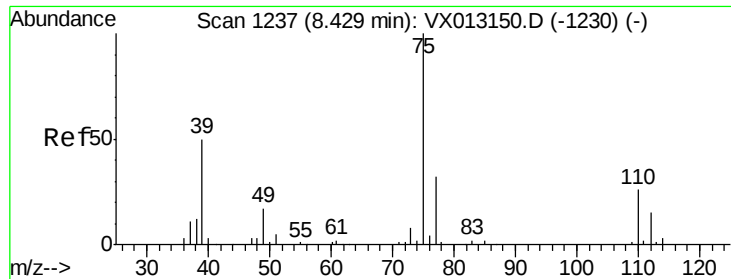
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#48
t-1,3-Dichloropropene
Concen: 105.530 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Tgt Ion: 75 Resp: 279843
Ion Ratio Lower Upper
75 100
77 32.3 25.6 38.4





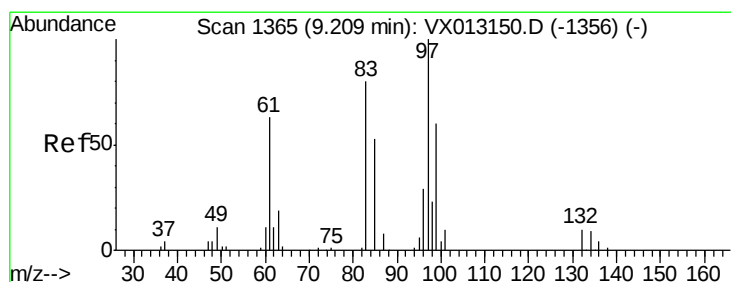
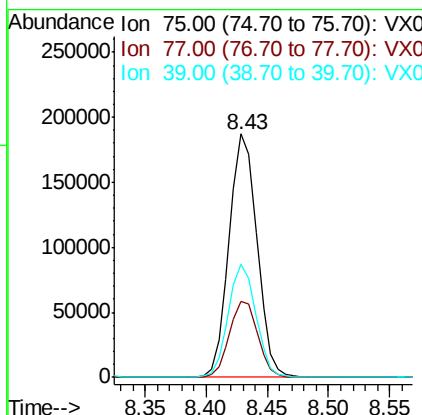
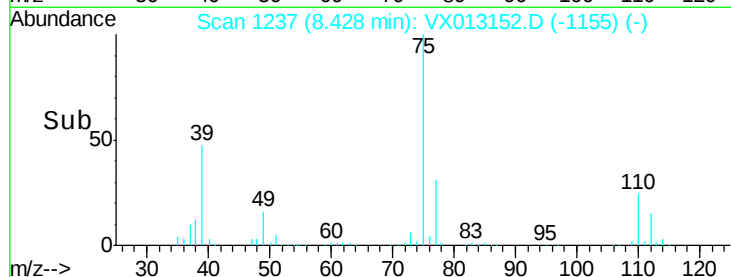
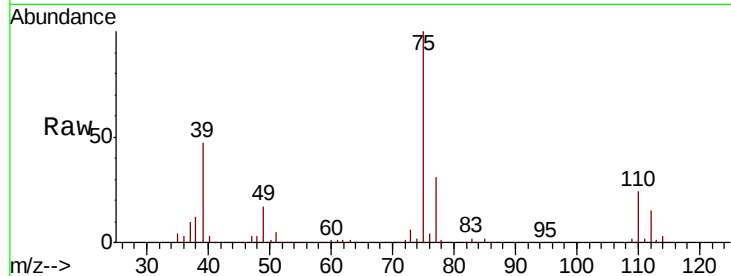
#49
 cis-1,3-Dichloropropene
 Concen: 101.480 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX013152.D
 Acq: 21 Oct 2019 13:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	75	Resp:	295738
Ion Ratio	Lower	Upper	
75	100		
77	31.3	25.8	38.8
39	46.6	39.7	59.5

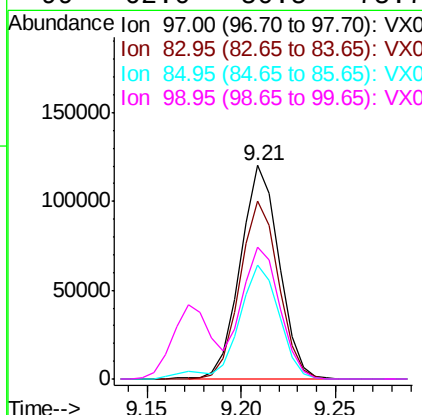
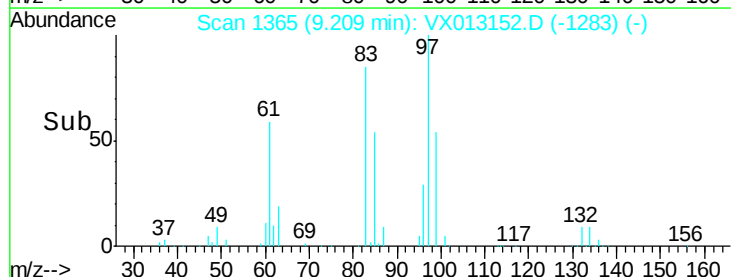
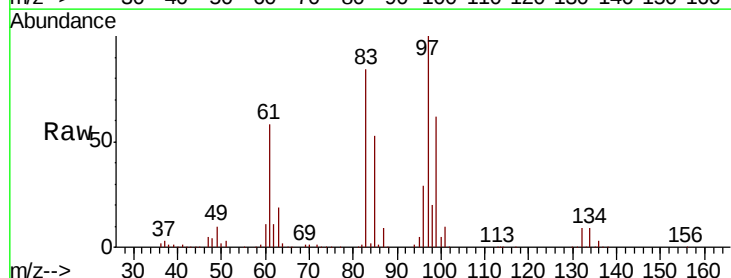
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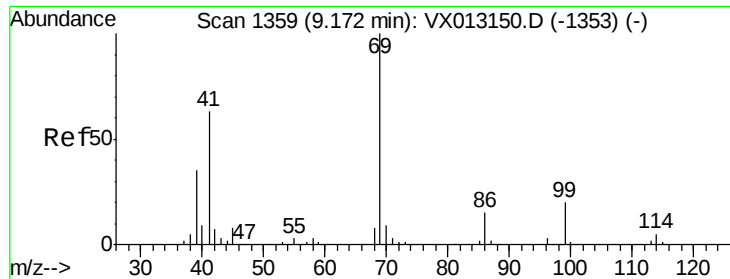
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#50
 1,1,2-Trichloroethane
 Concen: 94.296 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013152.D
 Acq: 21 Oct 2019 13:46

Tgt Ion:	97	Resp:	171014
Ion Ratio	Lower	Upper	
97	100		
83	83.6	64.2	96.4
85	53.1	42.7	64.1
99	62.0	50.5	75.7





#51

Ethyl methacrylate

Concen: 99.186 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VX013152.D

Acq: 21 Oct 2019 13:46

Instrument :

MSVOA_X

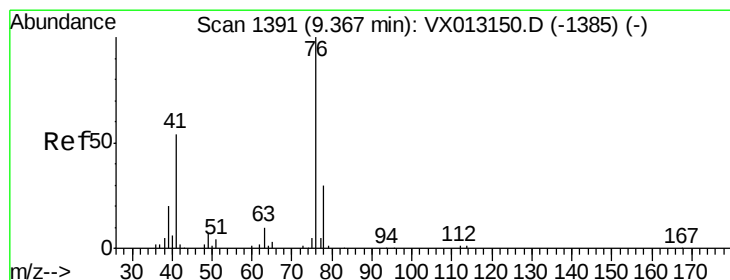
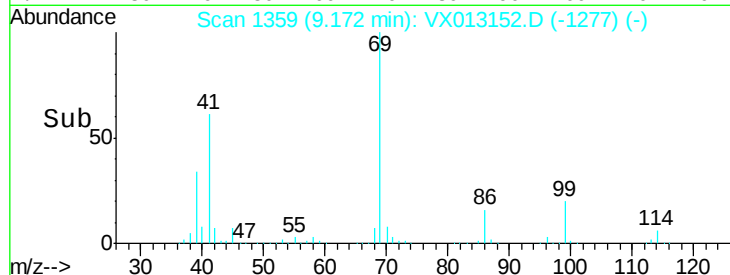
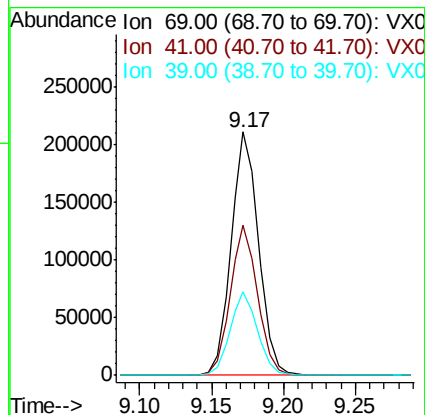
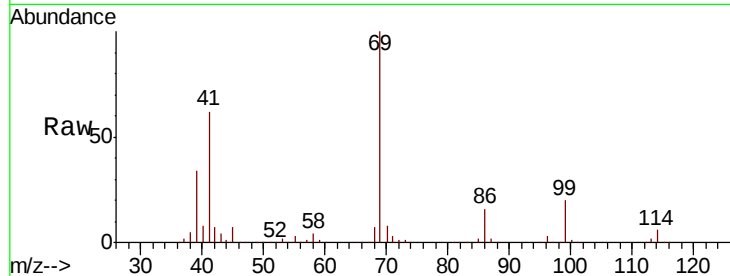
ClientSampleId :

VSTDIC100

Tot Ion	69	Resp	282525
Ion	Ratio	Lower	Upper
69	100		
41	61.5	31.6	95.0
39	34.0	17.7	53.1

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#52

1,3-Dichloropropane

Concen: 95.845 ug/l

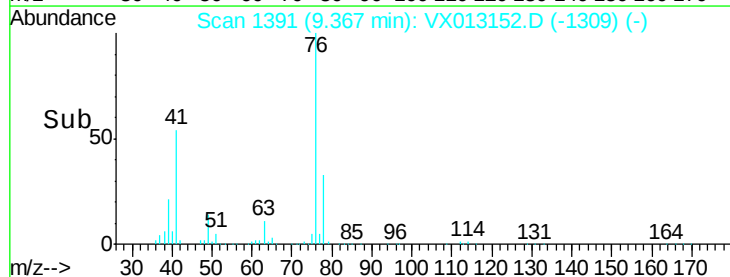
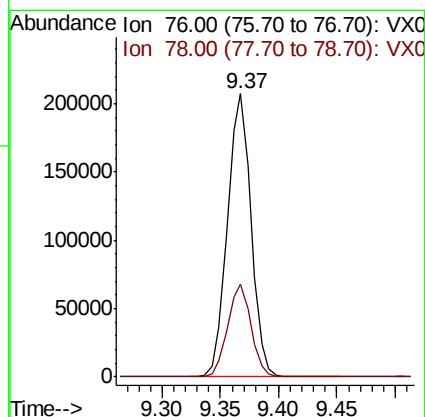
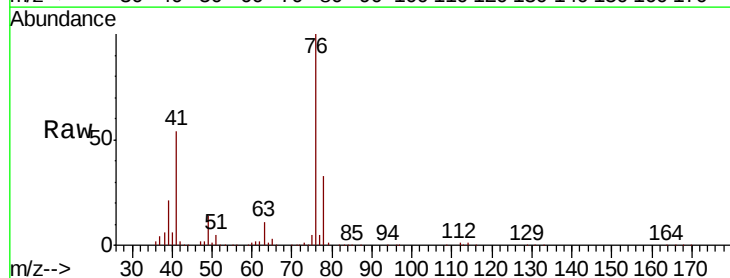
RT: 9.37 min Scan# 1391

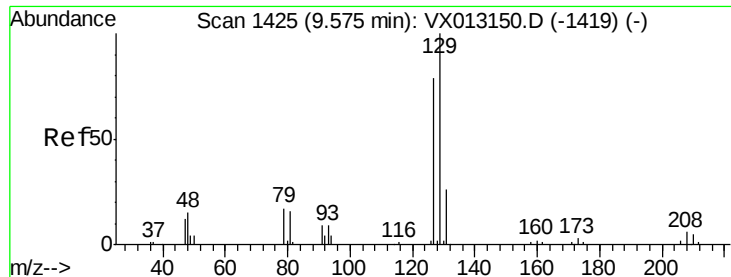
Delta R.T. -0.00 min

Lab File: VX013152.D

Acq: 21 Oct 2019 13:46

Tgt Ion	76	Resp	290922
Ion	Ratio	Lower	Upper
76	100		
78	32.3	0.0	64.6





#53

Dibromochloromethane

Concen: 103.732 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.01 min

Lab File: VX013152.D

Acq: 21 Oct 2019 13:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:129 Resp: 194431

Ion Ratio Lower Upper

129 100

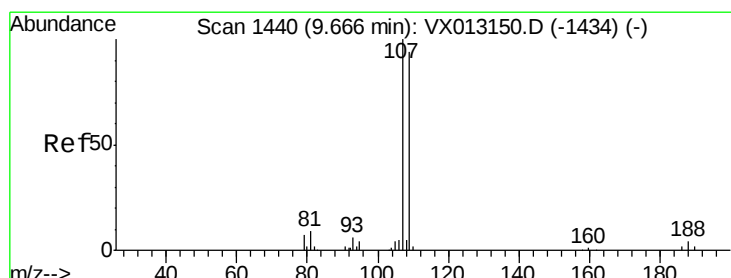
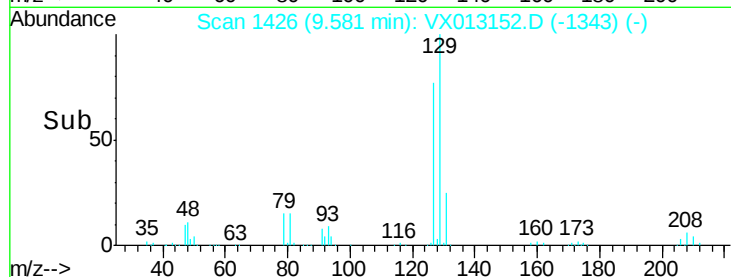
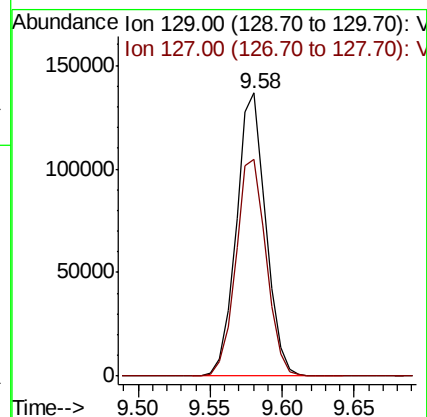
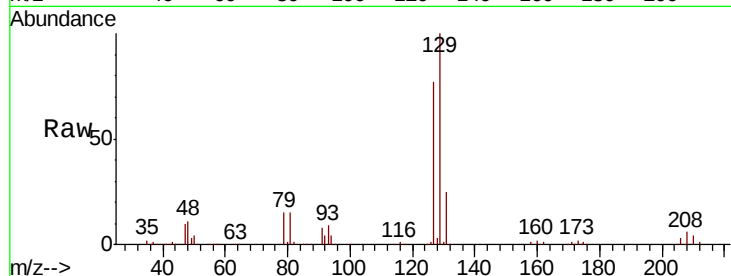
127 79.0 39.4 118.2

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 96.956 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013152.D

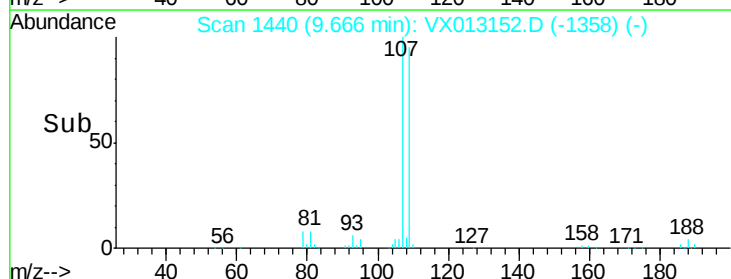
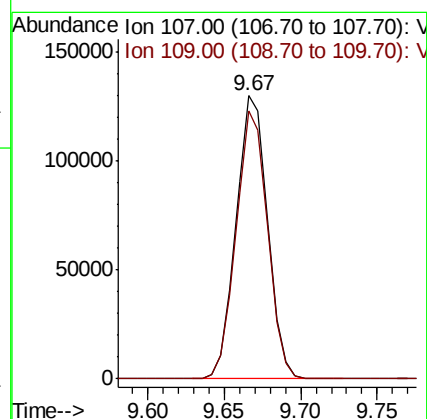
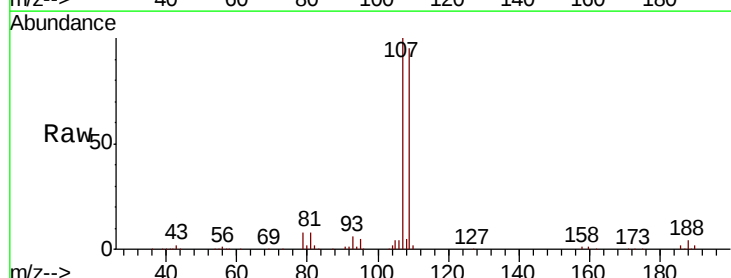
Acq: 21 Oct 2019 13:46

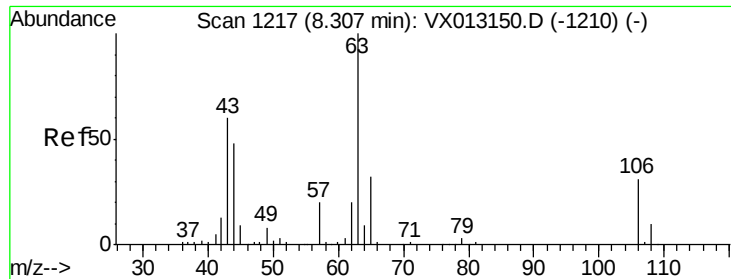
Tgt Ion:107 Resp: 184800

Ion Ratio Lower Upper

107 100

109 94.7 75.4 113.0





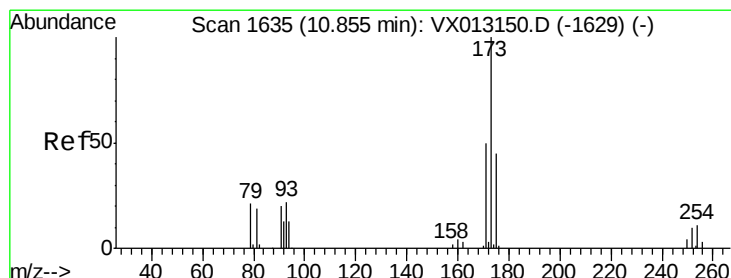
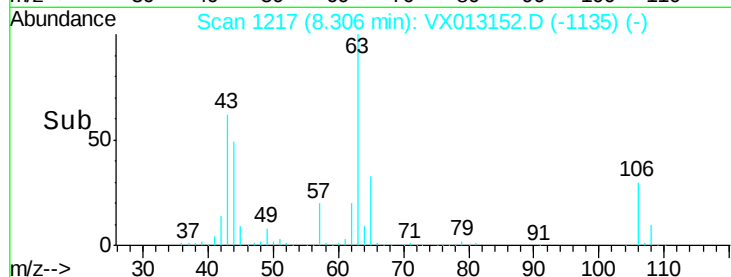
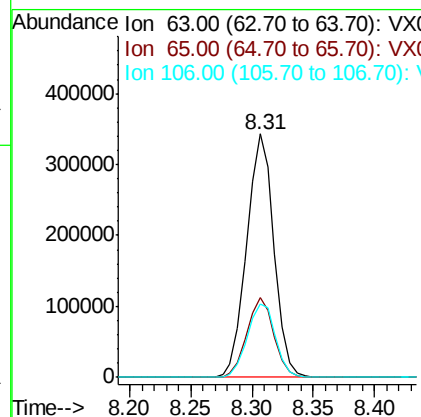
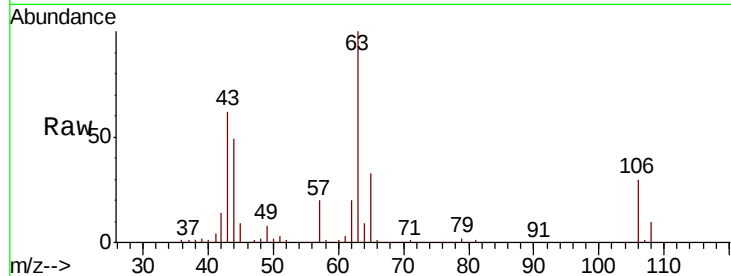
#55
2-Chloroethyl vinyl ether
Concen: 433.020 ug/l
RT: 8.31 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.5	38.3
106	31.5	24.8	37.2

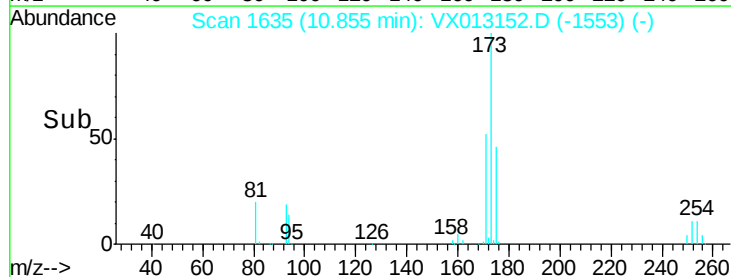
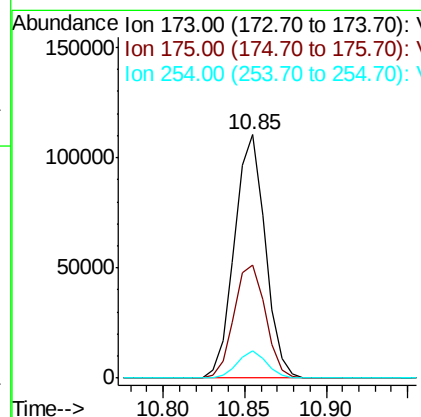
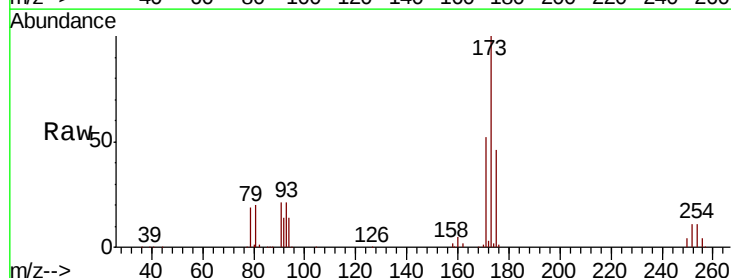
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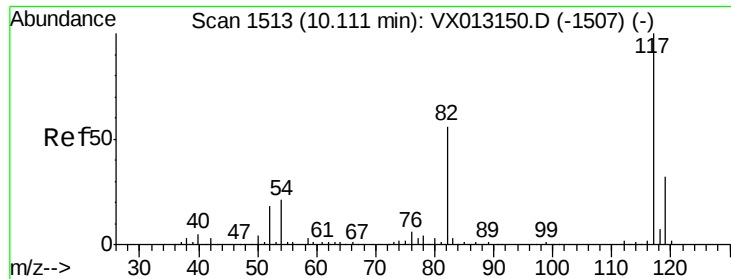
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#56
Bromoform
Concen: 110.908 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.7	39.0	58.4
254	10.6	8.1	12.1





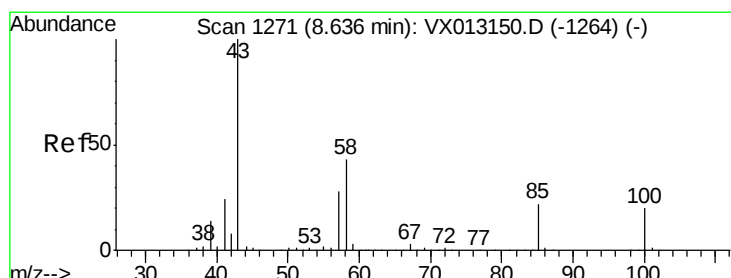
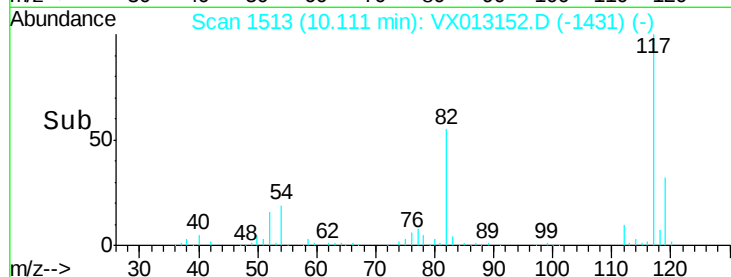
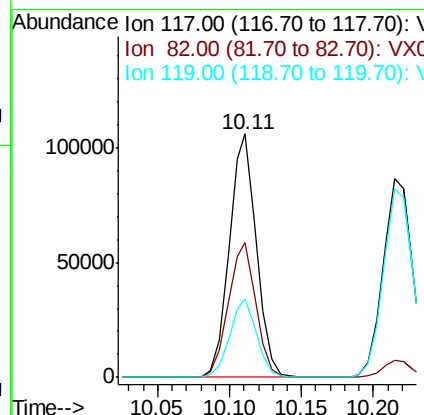
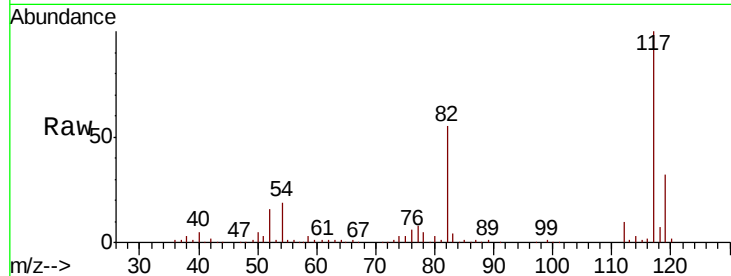
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	46.0	69.0
119	32.1	25.4	38.0

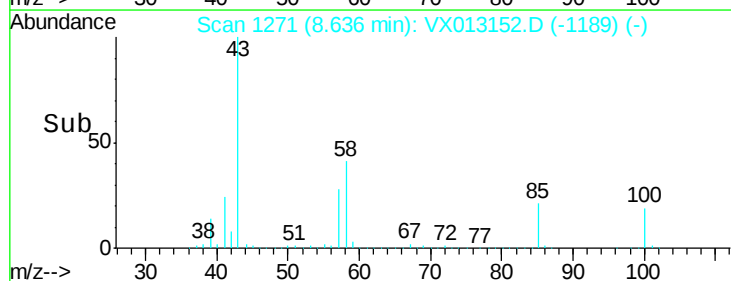
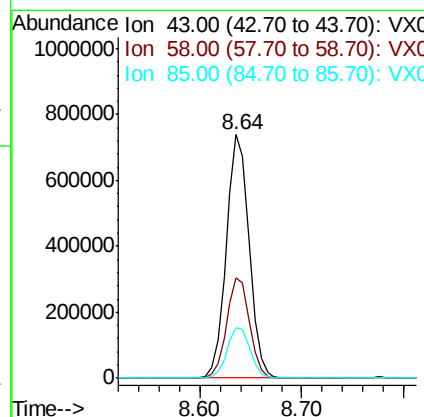
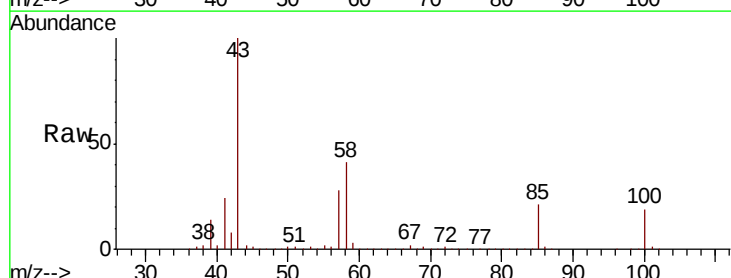
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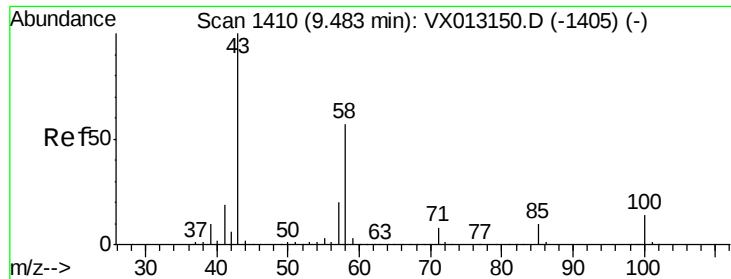
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 451.914 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.6	33.8	50.8
85	21.2	16.8	25.2





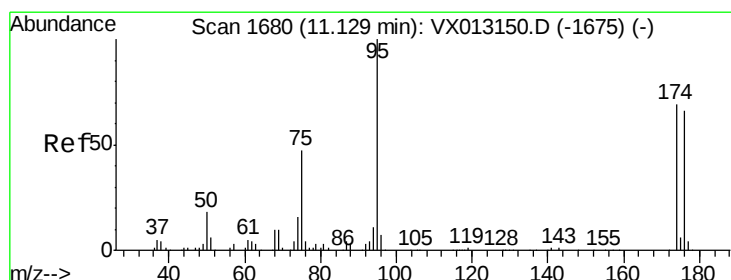
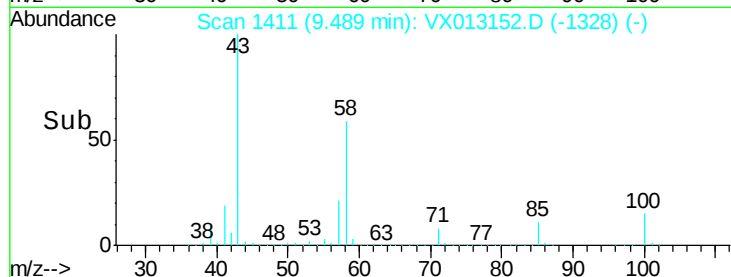
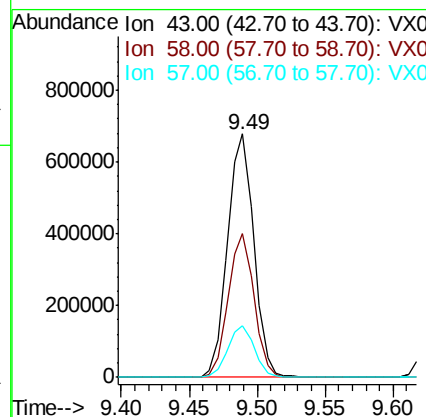
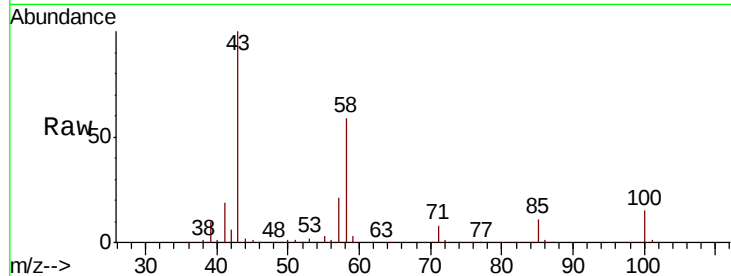
#59
2-Hexanone
Concen: 463.282 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.8	46.6	69.8
57	21.4	16.9	25.3

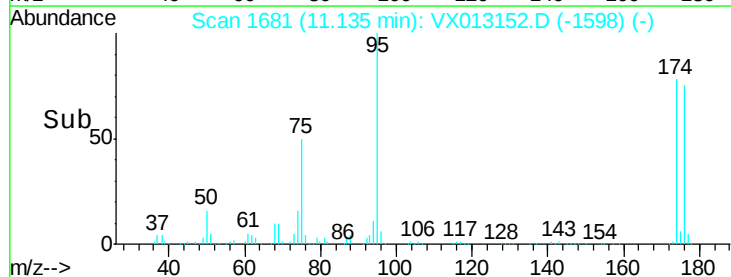
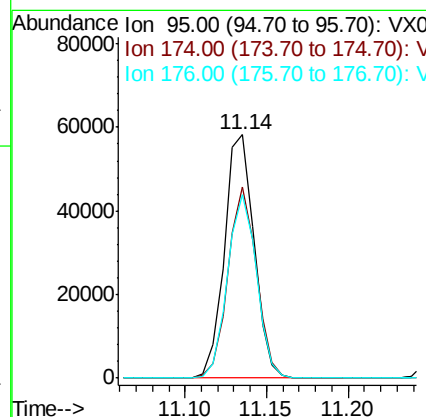
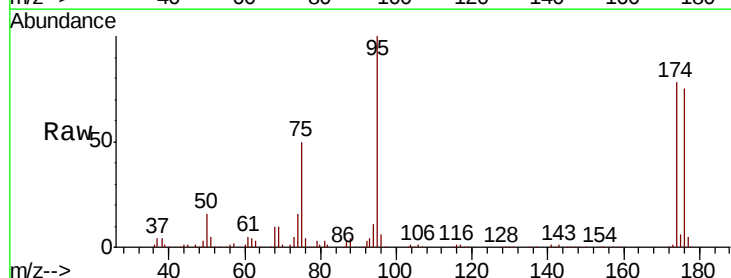
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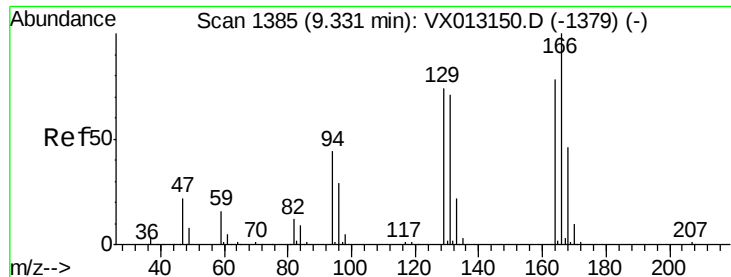
MMDadoda
10/22/2019 12:30:19 PM



#60
4-Bromofluorobenzene
Concen: 30.108 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.1	60.0	90.0
176	73.5	58.5	87.7





#61

Tetrachloroethene

Concen: 93.623 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX013152.D

Acq: 21 Oct 2019 13:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 168651

Ion Ratio Lower Upper

164 100

166 130.9 102.6 153.8

129 100.5 75.7 113.5

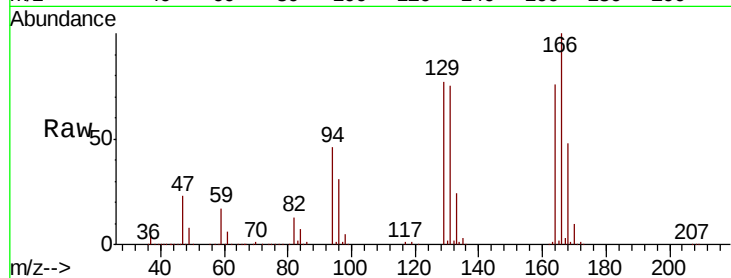
131 98.2 72.4 108.6

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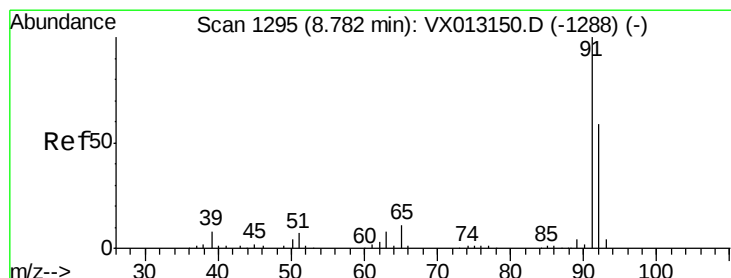
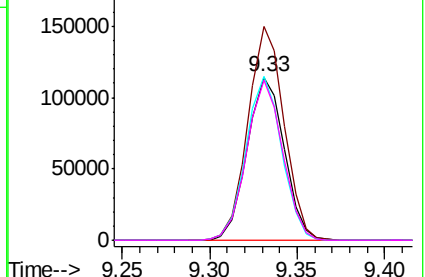
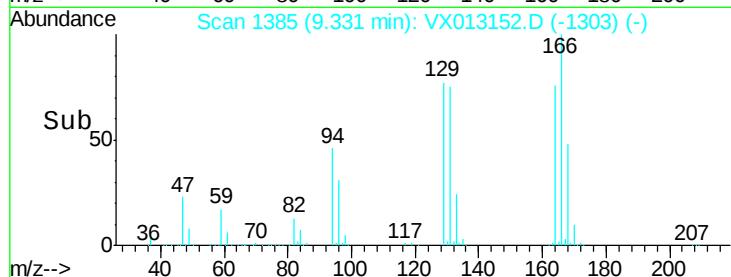


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 95.063 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013152.D

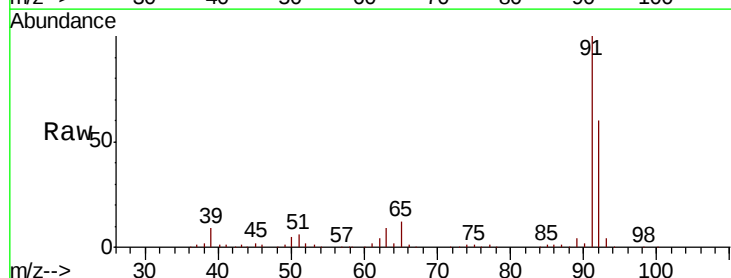
Acq: 21 Oct 2019 13:46

Tgt Ion: 91 Resp: 725246

Ion Ratio Lower Upper

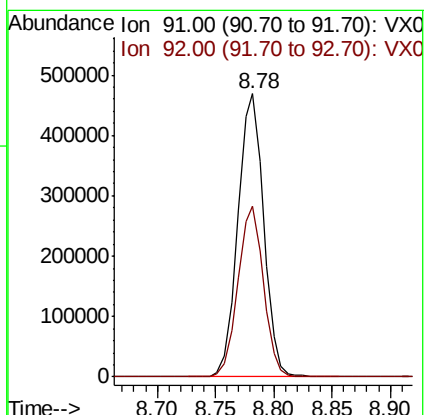
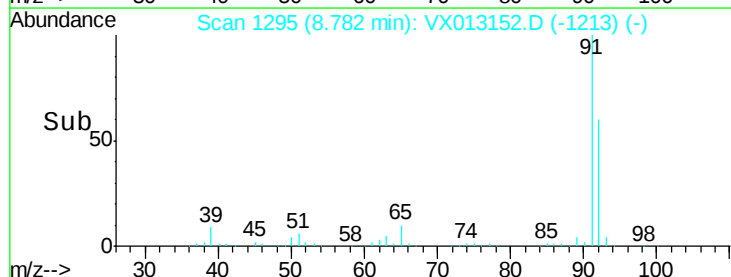
91 100

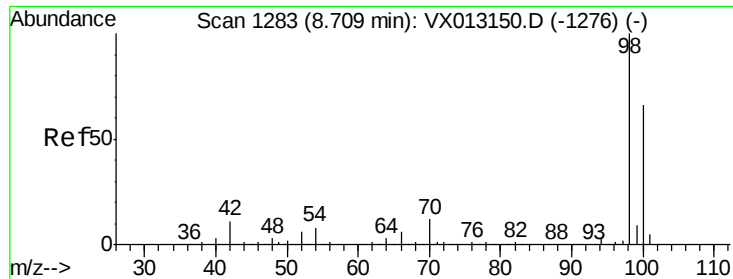
92 59.6 47.7 71.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





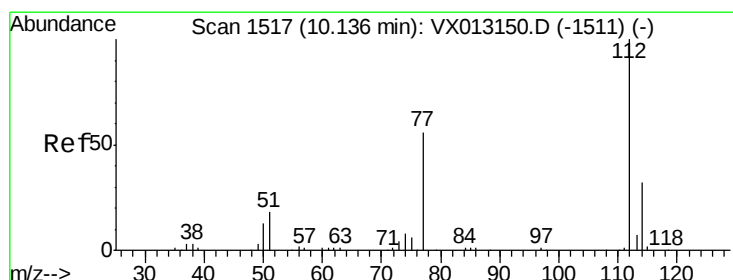
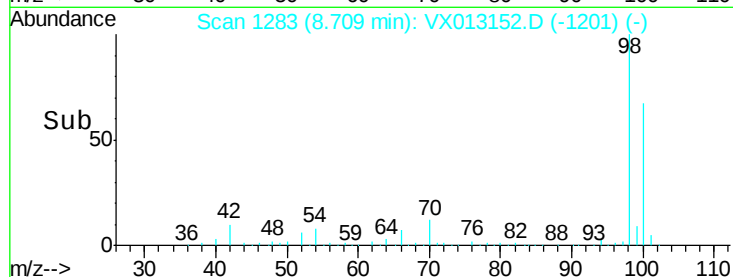
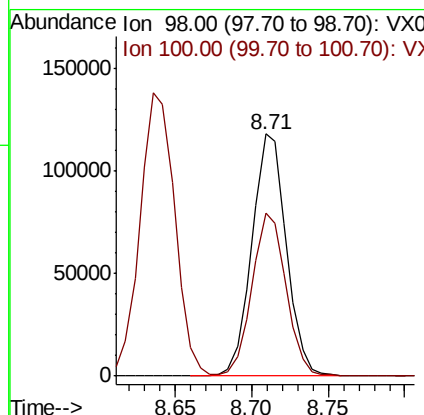
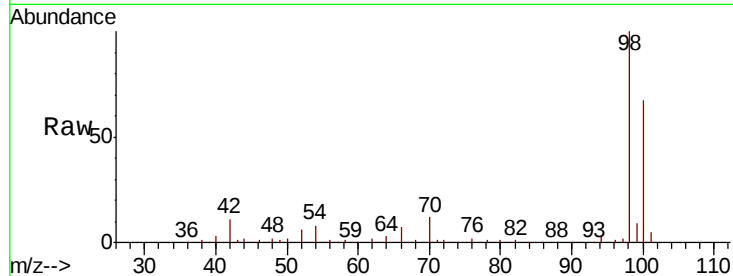
#63
Toluene-d8
Concen: 28.968 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 98 Resp: 184707
Ion Ratio Lower Upper
98 100
100 66.6 53.1 79.7

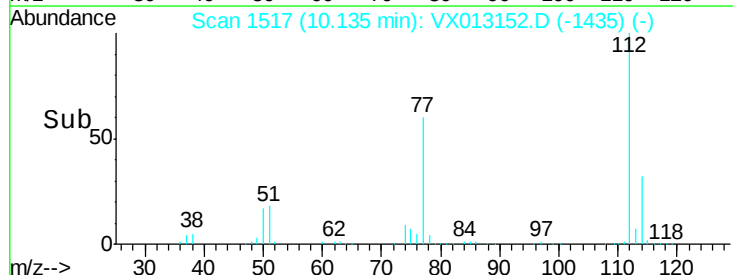
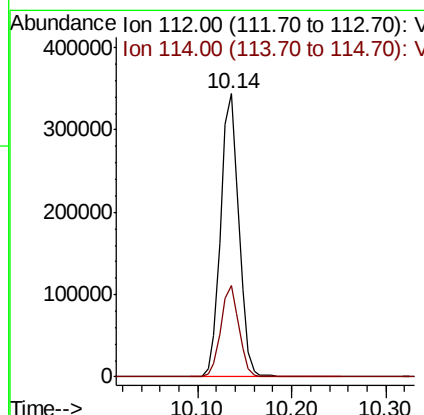
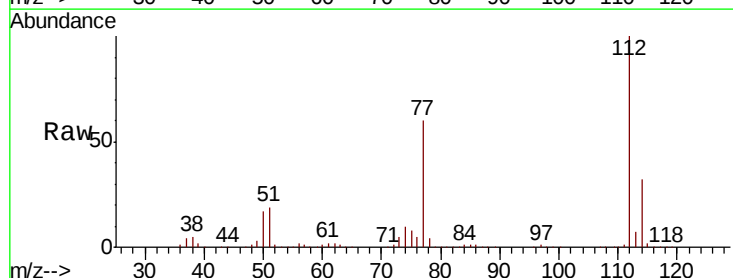
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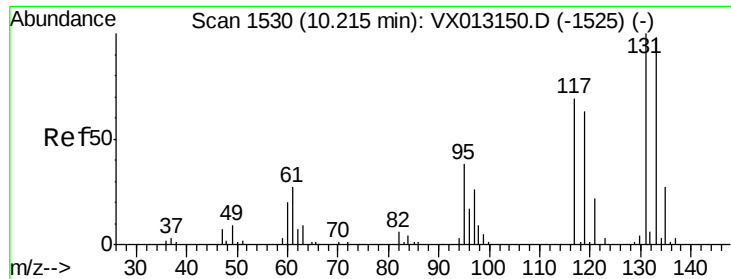
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#64
Chlorobenzene
Concen: 95.418 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Tgt Ion: 112 Resp: 462947
Ion Ratio Lower Upper
112 100
114 32.2 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 100.316 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX013152.D

Acq: 21 Oct 2019 13:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:131 Resp: 179840

Ion Ratio Lower Upper

131 100

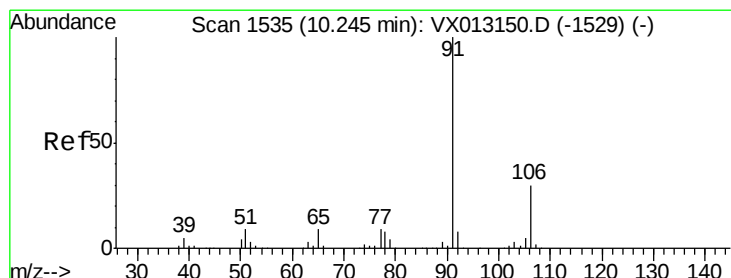
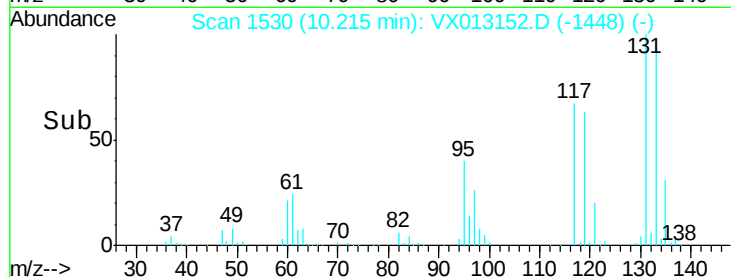
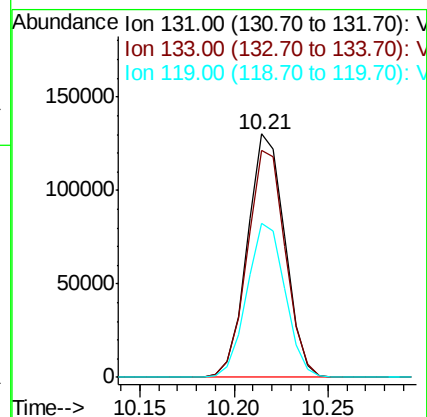
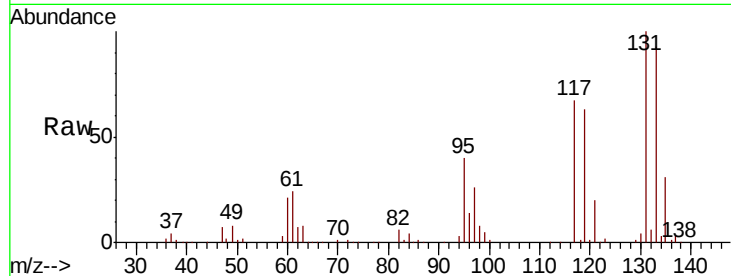
133 94.7 0.0 191.0

119 64.1 0.0 125.6

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#66

Ethyl Benzene

Concen: 97.589 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013152.D

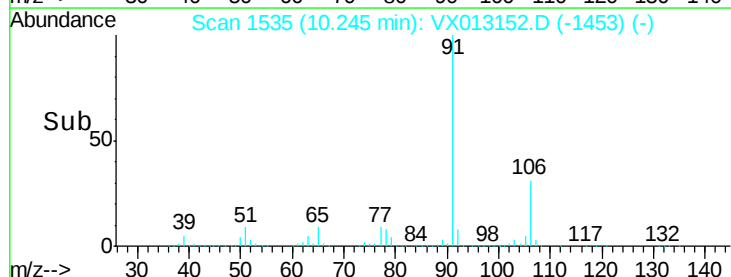
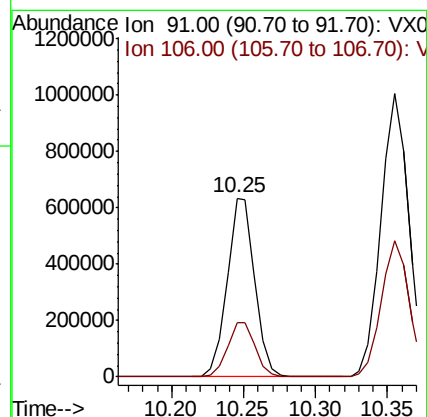
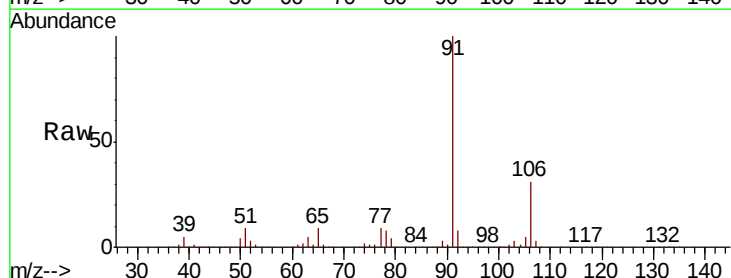
Acq: 21 Oct 2019 13:46

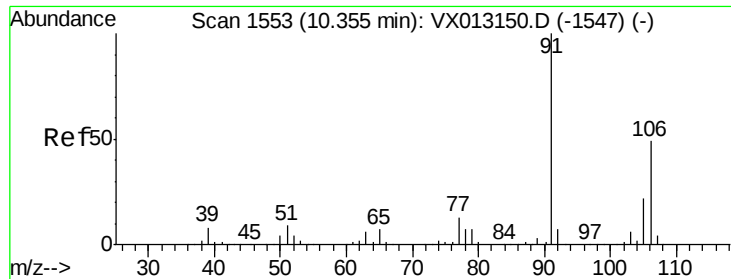
Tgt Ion: 91 Resp: 852321

Ion Ratio Lower Upper

91 100

106 30.6 23.8 35.6





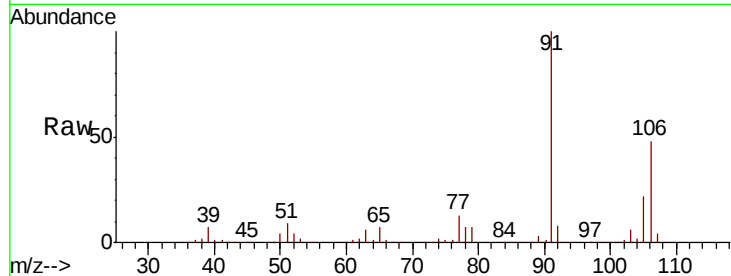
#67
m/p-Xvlenes
Concen: 195.092 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

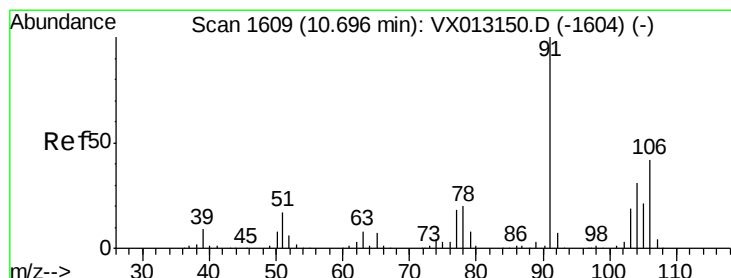
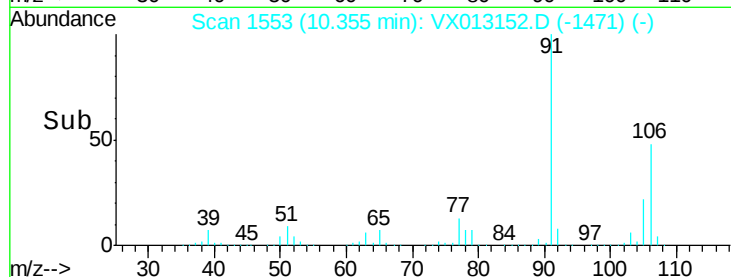
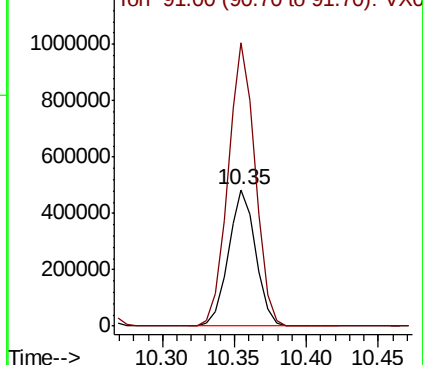
Tot Ion:106 Resp: 642296
Ion Ratio Lower Upper
106 100
91 207.1 163.7 245.5

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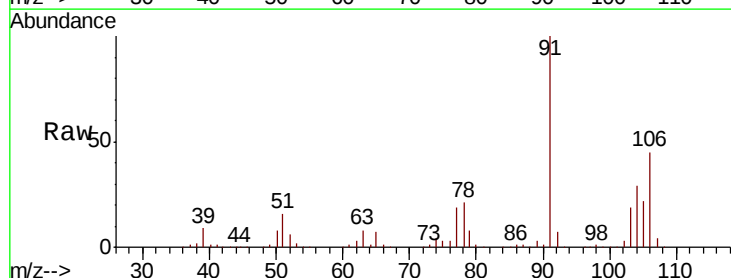


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

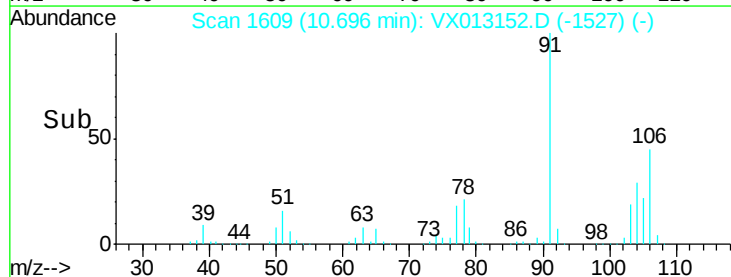
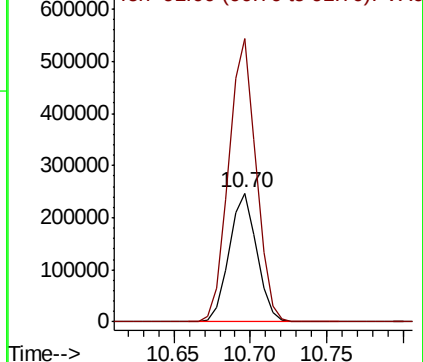


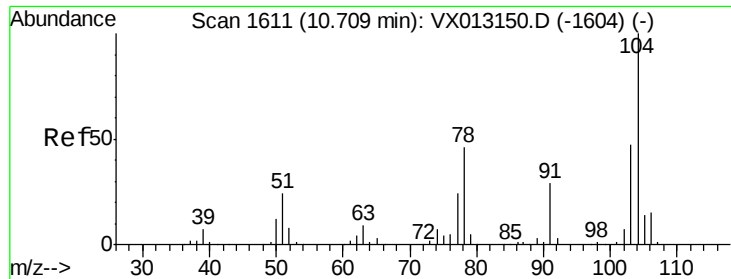
#68
o-Xylene
Concen: 97.159 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Tgt Ion:106 Resp: 308358
Ion Ratio Lower Upper
106 100
91 219.2 113.6 340.8



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





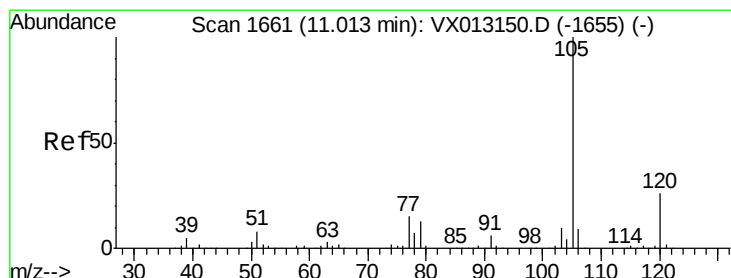
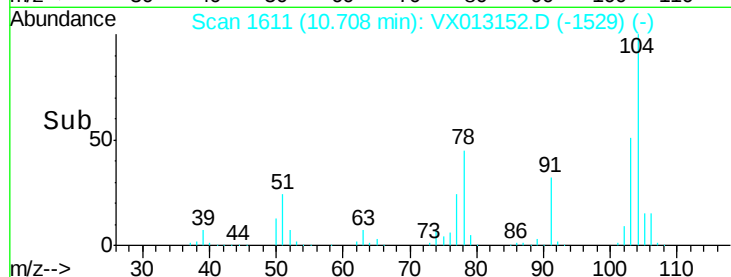
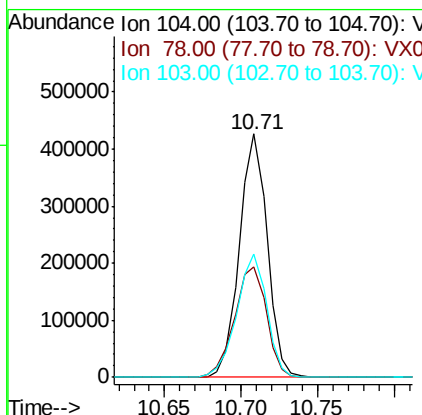
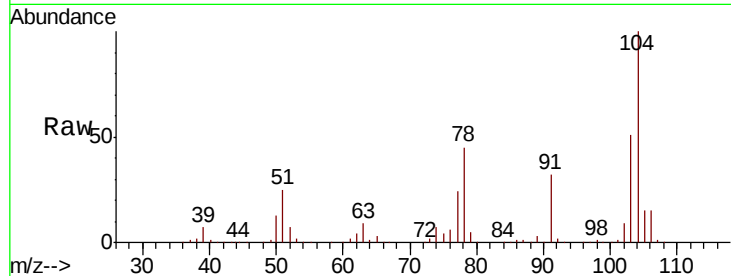
#69
Stvrene
Concen: 97.680 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.3	42.3	63.5
103	54.5	42.2	63.2

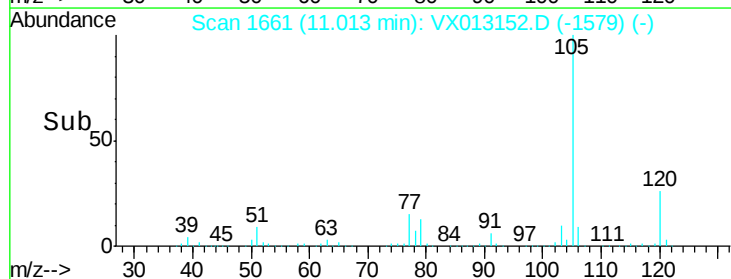
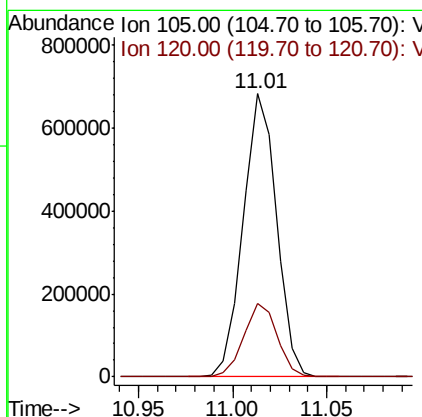
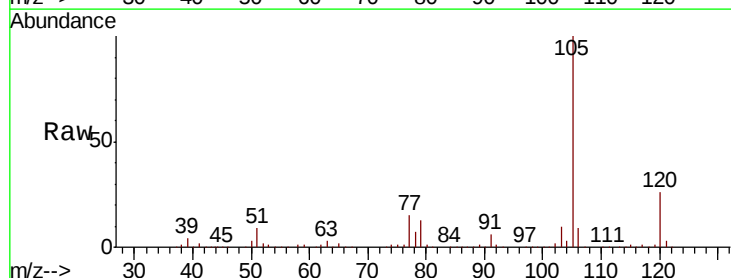
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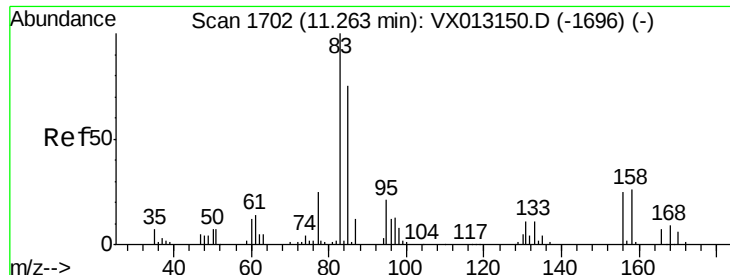
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#70
Isopropylbenzene
Concen: 97.976 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	18.1	33.7





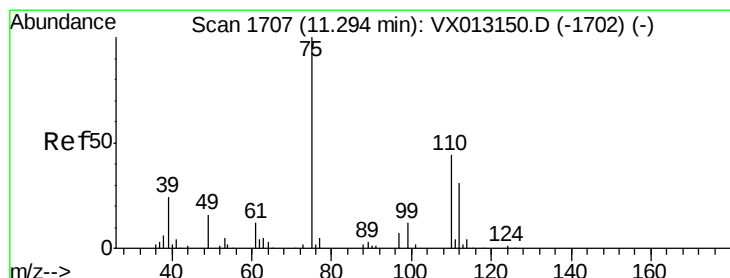
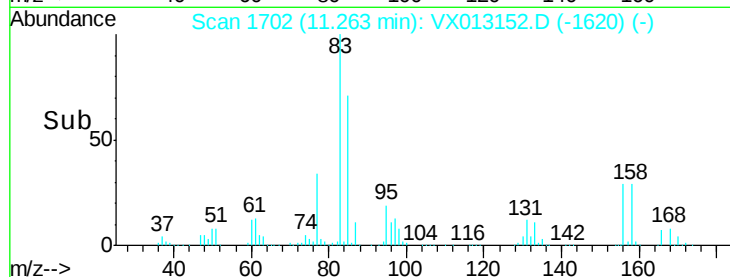
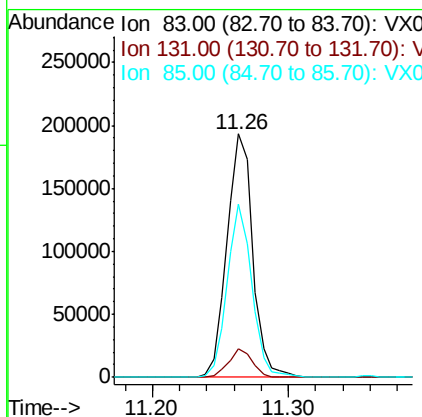
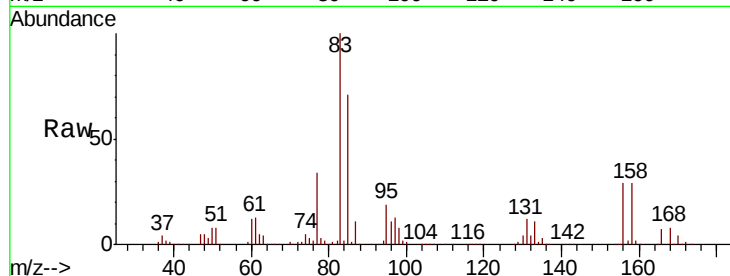
#71
 1,1,2,2-Tetrachloroethane
 Concen: 92.832 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: VX013152.D
 Acq: 21 Oct 2019 13:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	83	Resp	254963
Ion Ratio	100	Lower	Upper
83	100		
131	11.1	5.5	16.4
85	68.0	32.9	98.6

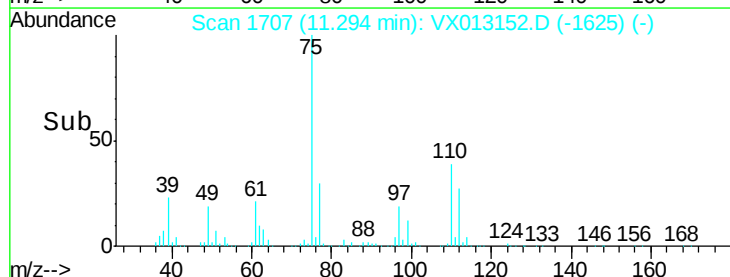
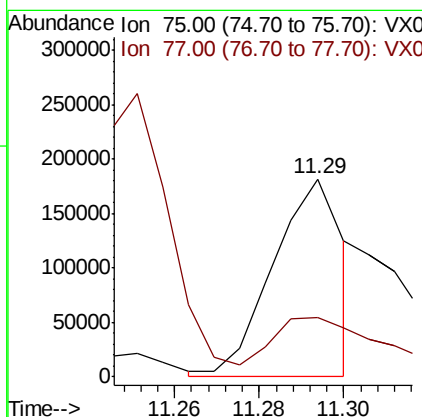
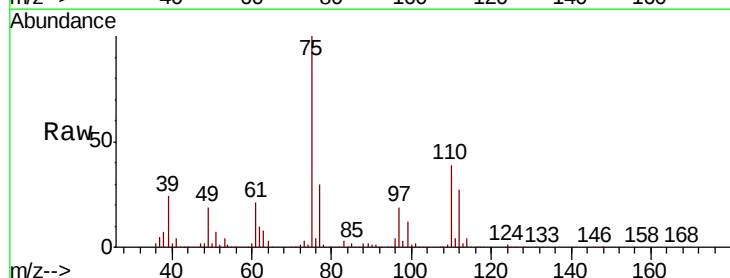
Manual Integrations
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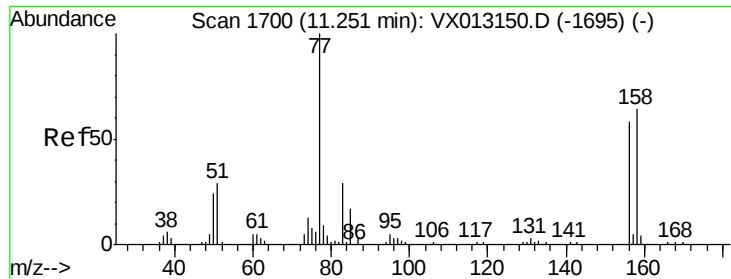
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#72
 1,2,3-Trichloropropane
 Concen: 87.497 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX013152.D
 Acq: 21 Oct 2019 13:46

Tgt Ion	75	Resp	208112
Ion Ratio	100	Lower	Upper
75	100		
77	48.1	0.0	74.0





#73

Bromobenzene

Concen: 98.274 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013152.D

Acq: 21 Oct 2019 13:46

Instrument :

MSVOA_X

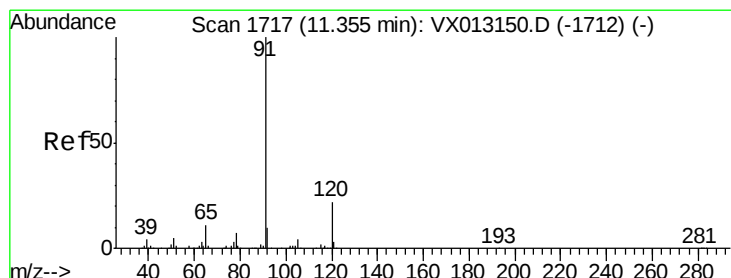
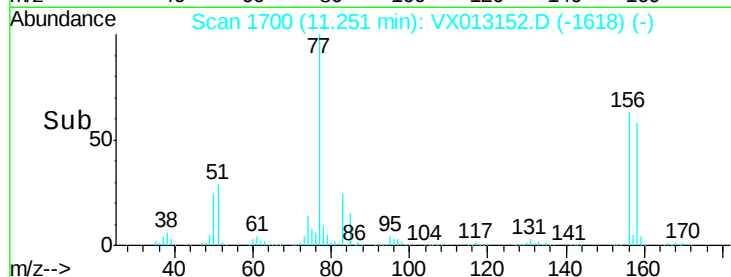
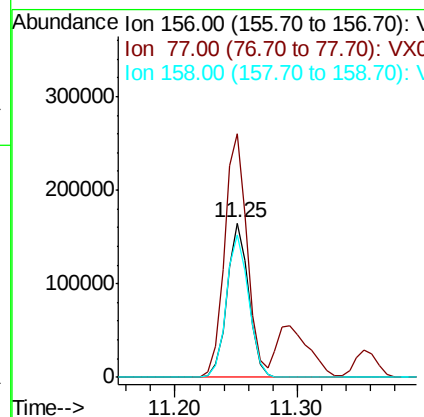
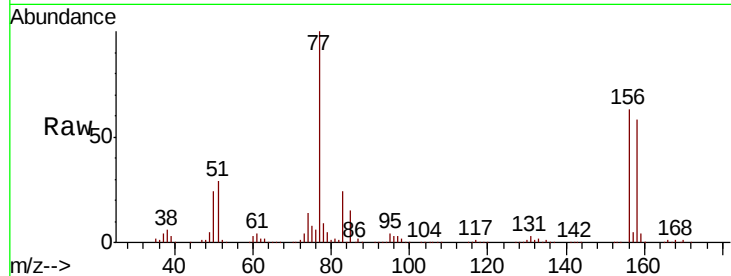
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	200972
Ion Ratio	Lower	Upper	
156	100		
77	165.6	0.0	328.0
158	95.6	0.0	196.2

Manual Integrations
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#74

n-propylbenzene

Concen: 99.226 ug/l

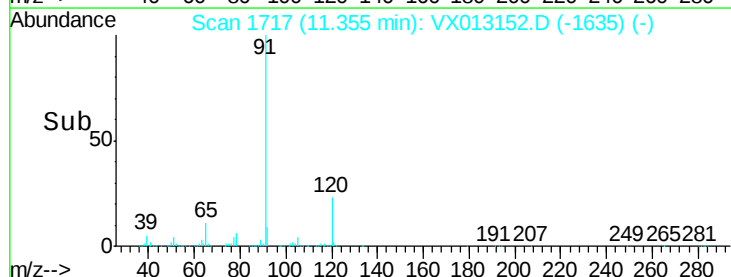
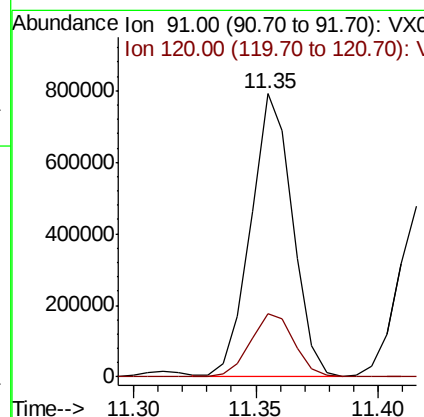
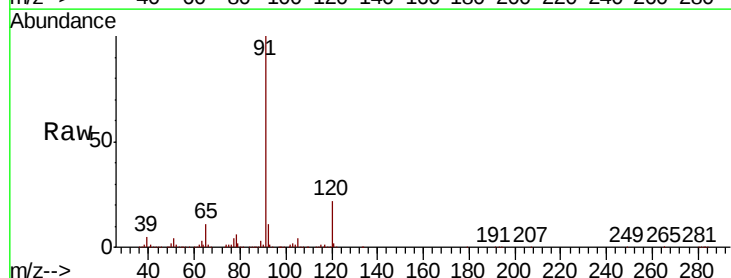
RT: 11.35 min Scan# 1717

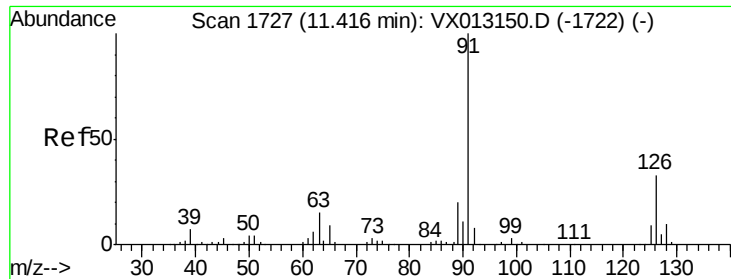
Delta R.T. -0.00 min

Lab File: VX013152.D

Acq: 21 Oct 2019 13:46

Tgt Ion:	91	Resp:	945481
Ion Ratio	Lower	Upper	
91	100		
120	23.2	0.0	45.2





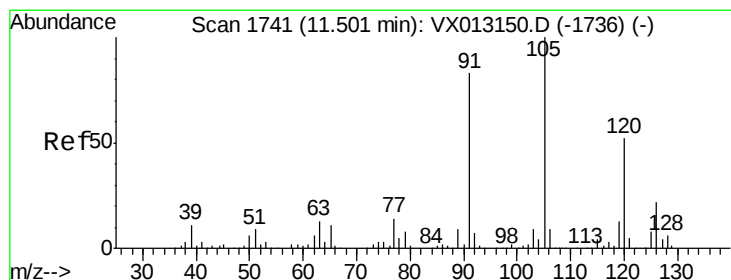
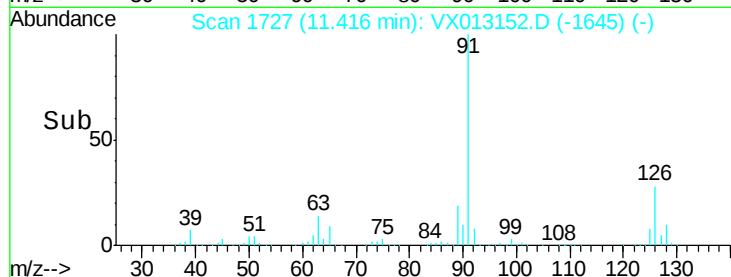
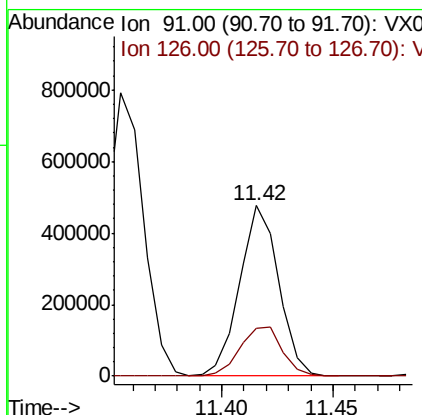
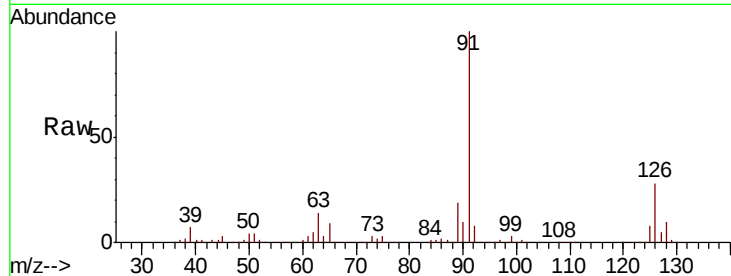
#75
2-Chlorotoluene
Concen: 99.254 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 585698
Ion Ratio Lower Upper
91 100
126 31.2 0.0 63.8

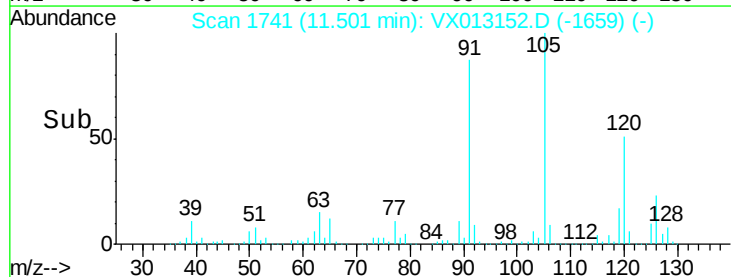
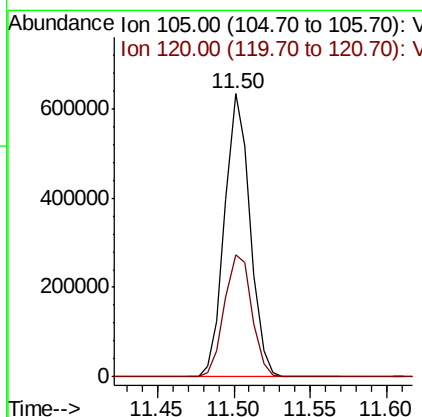
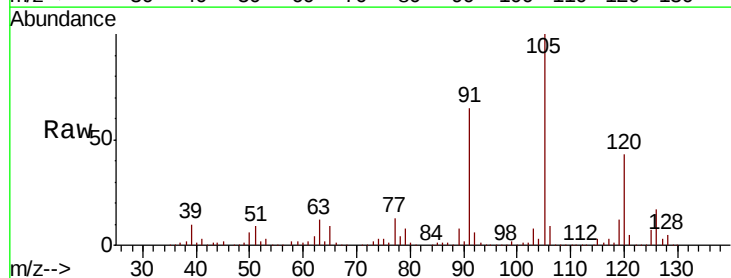
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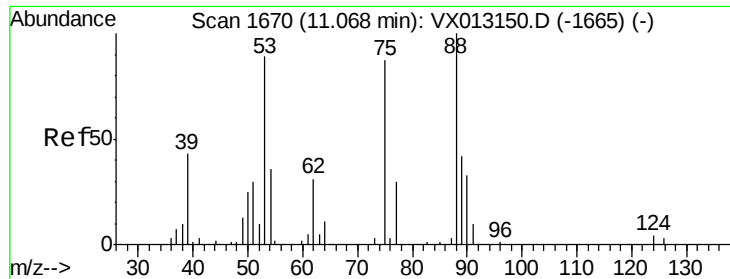
MMDadoda
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#76
1,3,5-Trimethylbenzene
Concen: 100.248 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Tgt Ion: 105 Resp: 728186
Ion Ratio Lower Upper
105 100
120 46.8 0.0 98.0





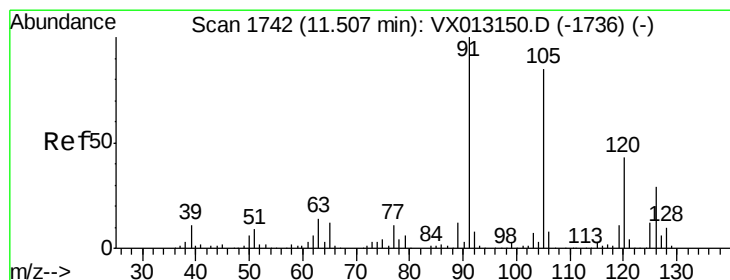
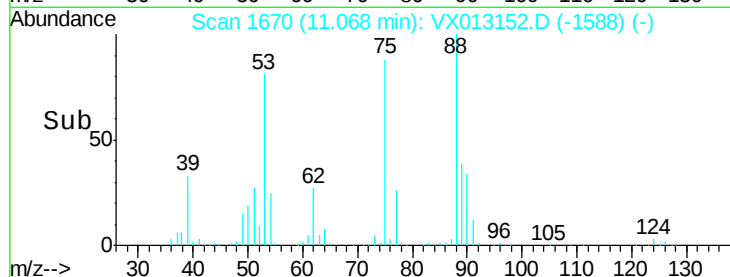
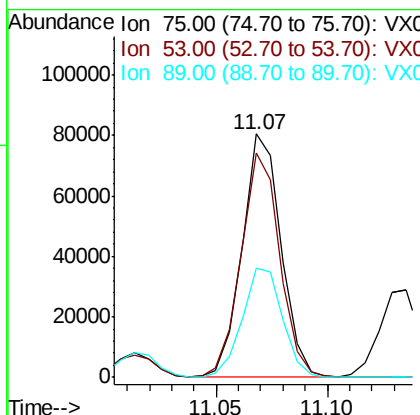
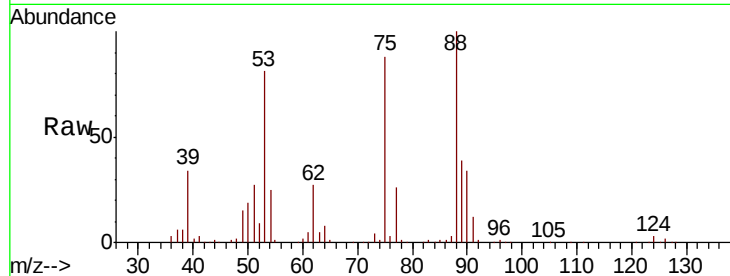
#77
t-1,4-Dichloro-2-butene
Concen: 109.429 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.0	51.1	153.4
89	44.6	24.1	72.4

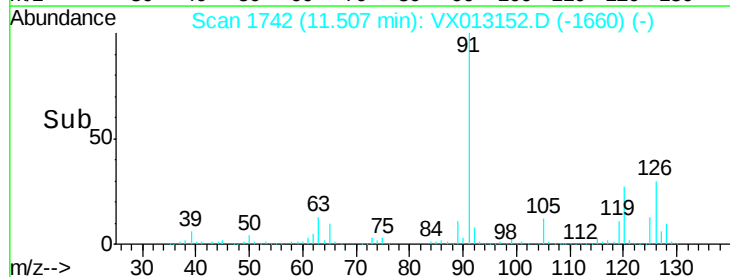
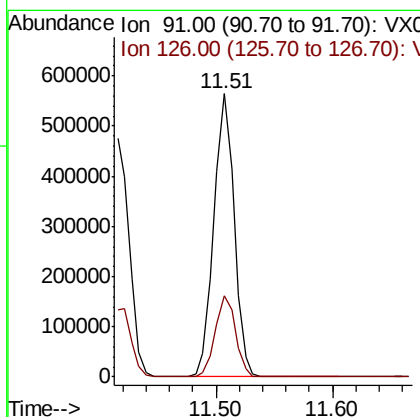
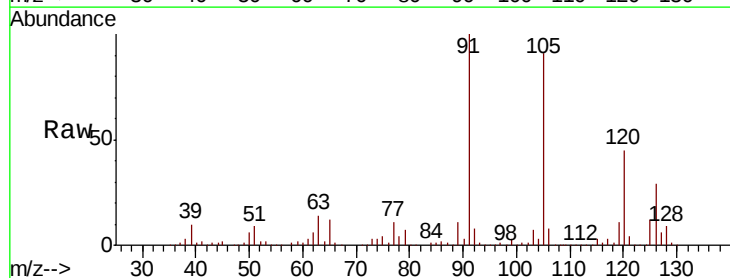
Manual Integrations
APPROVED

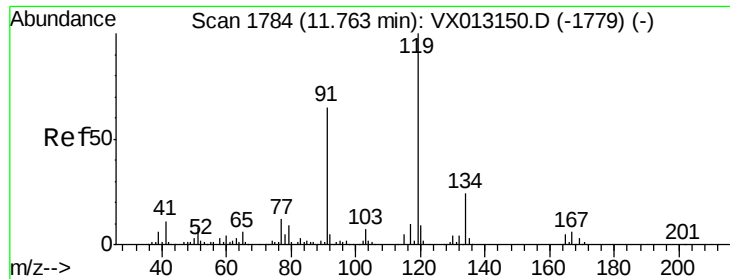
MMDadoda
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#78
4-Chlorotoluene
Concen: 99.655 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.6	0.0	58.4





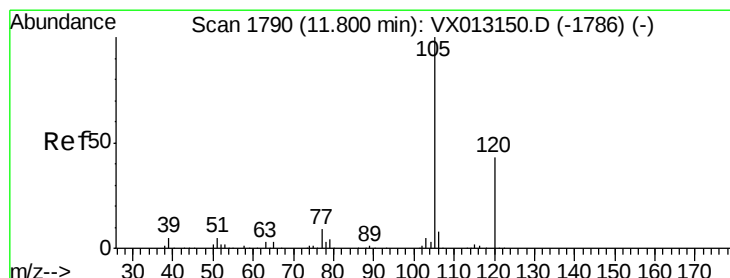
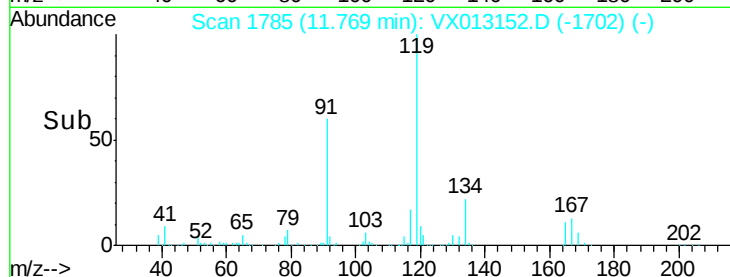
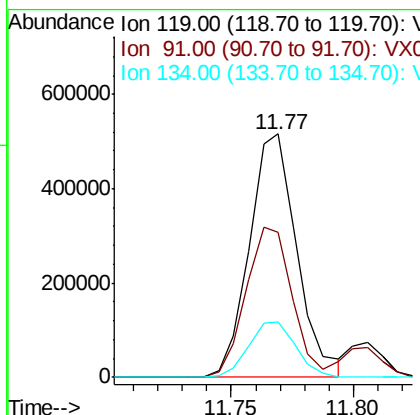
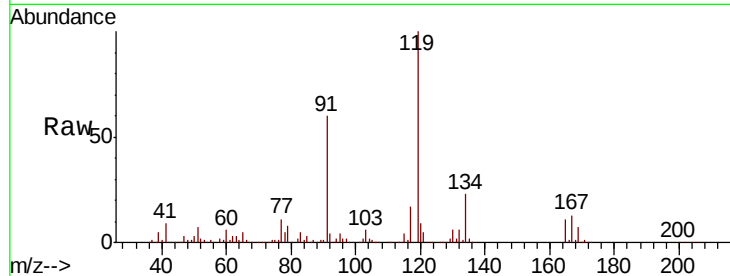
#79
tert-butylbenzene
Concen: 102.748 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	701561		
91	59.6	0.0	128.4	
134	22.5	0.0	49.0	

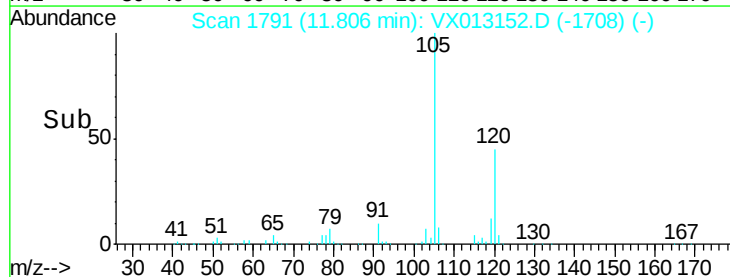
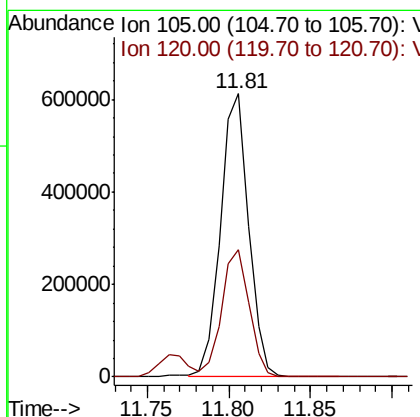
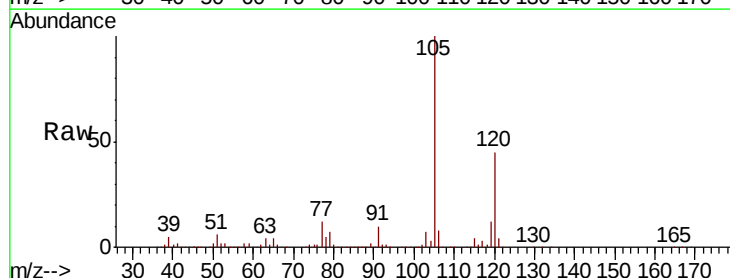
Manual Integrations
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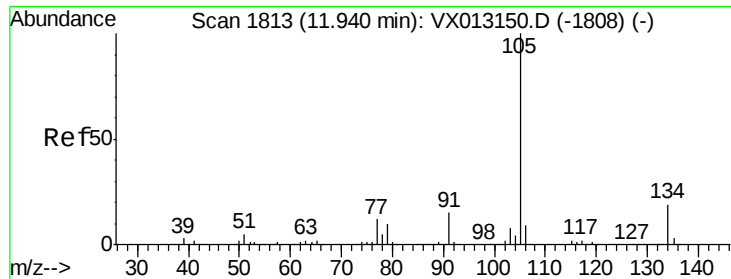
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#80
1,2,4-Trimethylbenzene
Concen: 101.715 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	734787		
120	44.2	0.0	87.4	





#81

sec-Butylbenzene

Concen: 98.938 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013152.D

Acq: 21 Oct 2019 13:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 819522

Ion Ratio Lower Upper

105 100

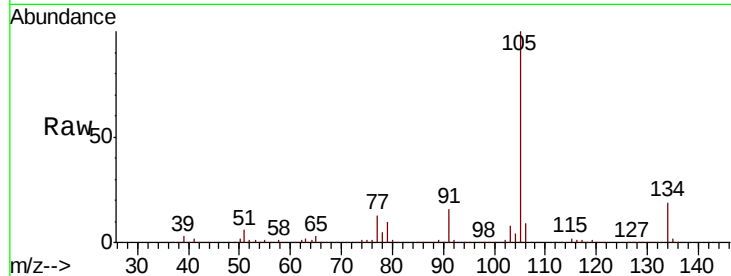
134 19.5 0.0 39.2

Manual Integrations

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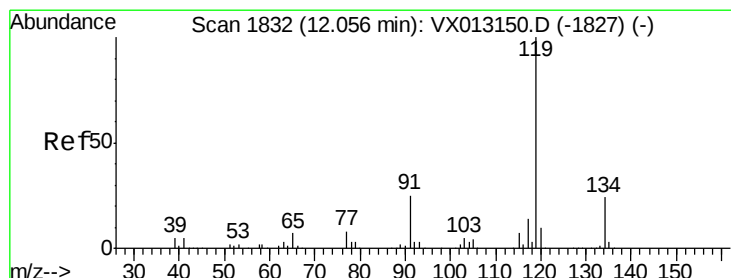
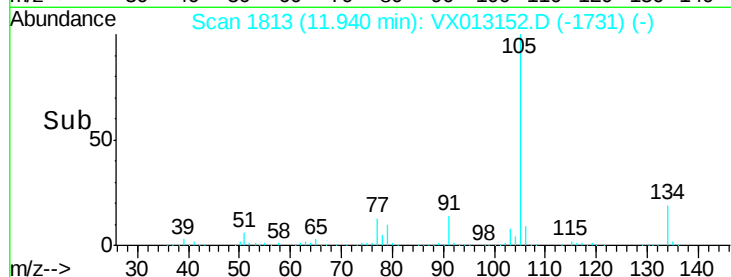
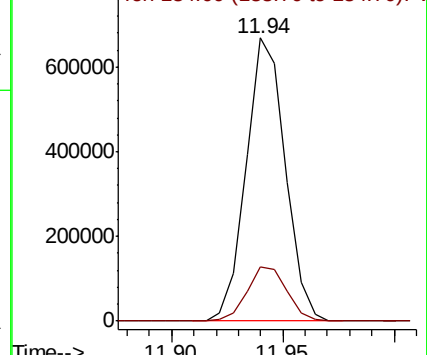
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 102.607 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VX013152.D

Acq: 21 Oct 2019 13:46

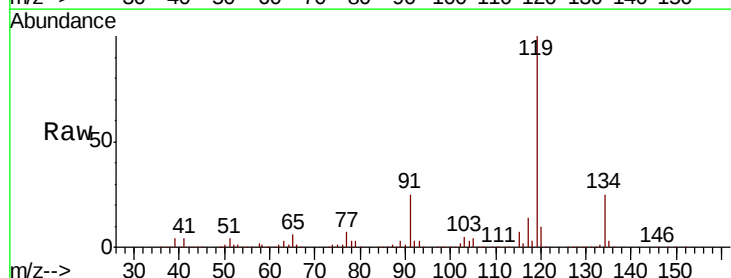
Tgt Ion:119 Resp: 776422

Ion Ratio Lower Upper

119 100

134 24.4 0.0 51.6

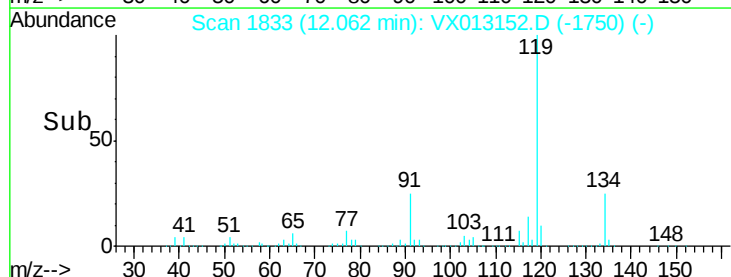
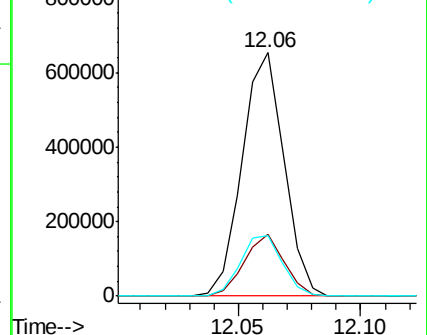
91 25.2 0.0 50.0

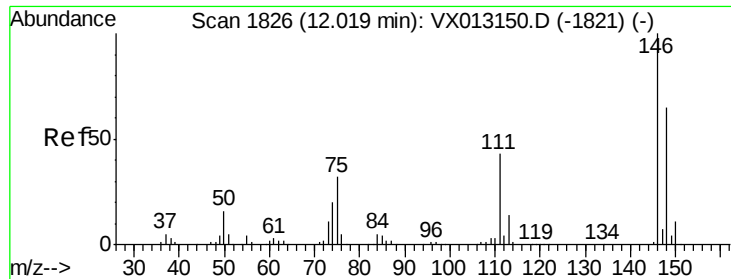


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#83

1,3-Dichlorobenzene

Concen: 102.418 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX013152.D

Acq: 21 Oct 2019 13:46

Instrument :

MSVOA_X

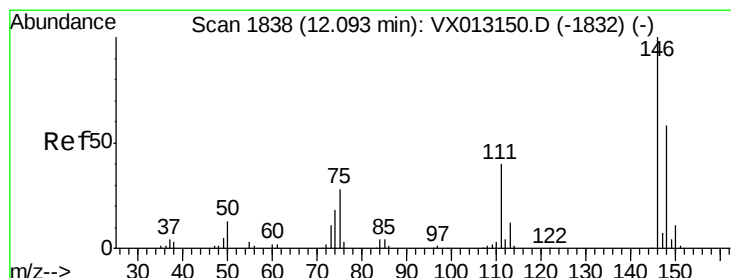
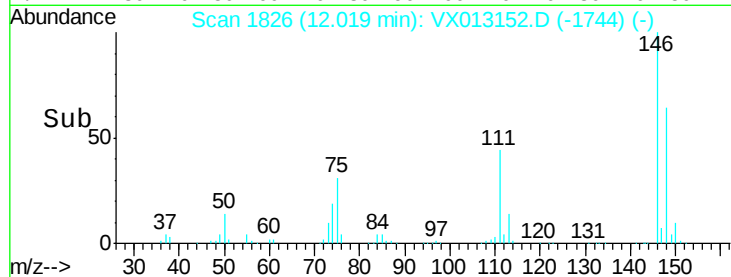
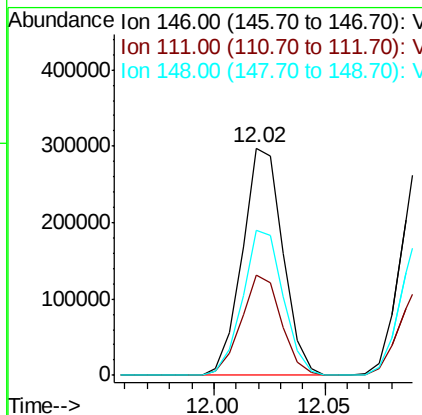
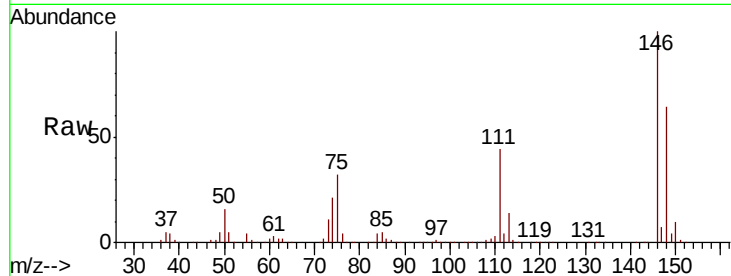
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	378070
Ion Ratio	Lower	Upper	
146	100		
111	43.4	21.8	65.4
148	63.9	31.2	93.6

Manual Integrations
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#84

1,4-Dichlorobenzene

Concen: 101.854 ug/l

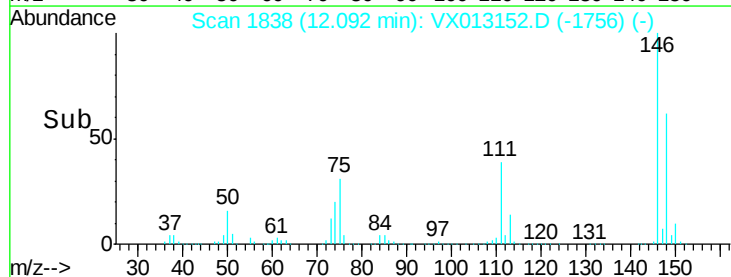
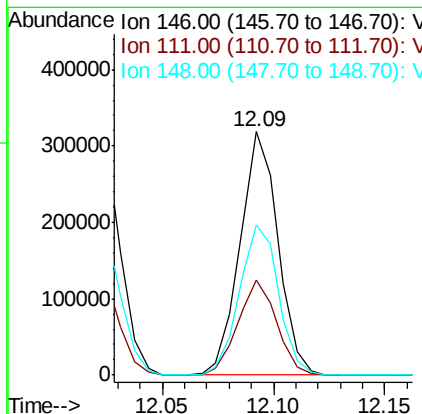
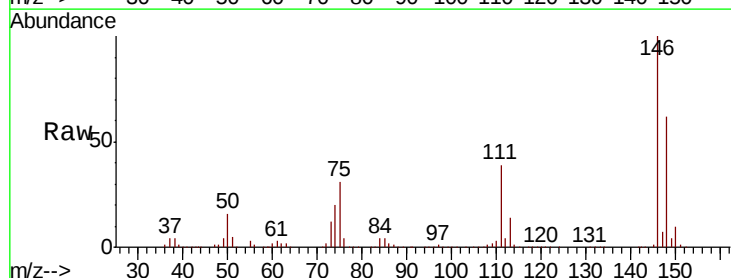
RT: 12.09 min Scan# 1838

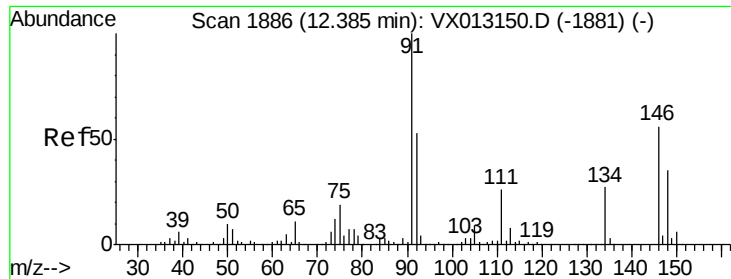
Delta R.T. -0.00 min

Lab File: VX013152.D

Acq: 21 Oct 2019 13:46

Tgt Ion:	146	Resp:	379490
Ion Ratio	Lower	Upper	
146	100		
111	39.5	20.3	60.9
148	63.5	31.4	94.2





#85

n-Butylbenzene

Concen: 104.221 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013152.D

Acq: 21 Oct 2019 13:46

Instrument :

MSVOA_X

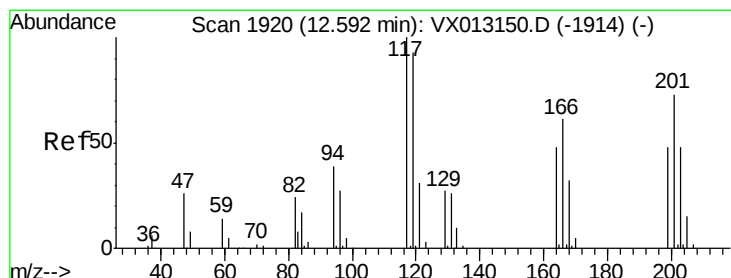
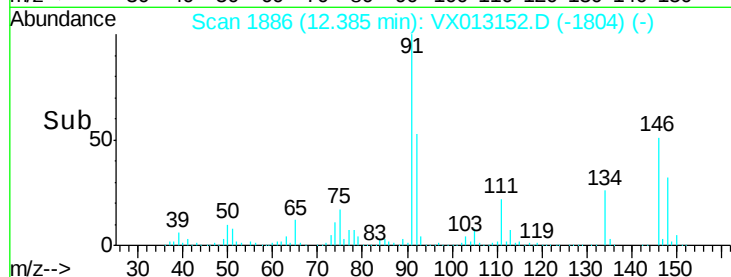
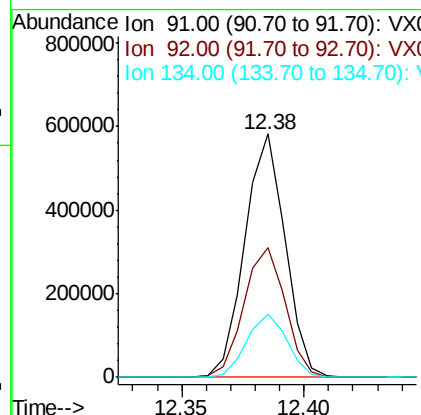
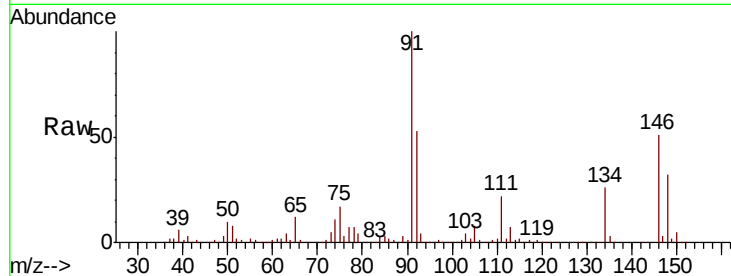
ClientSampled :

VSTDIC100

Tot Ion:	91	Resp:	669592
Ion Ratio	Lower	Upper	
91	100		
92	54.3	0.0	106.8
134	26.3	0.0	52.4

Manual Integrations
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#86

Hexachloroethane

Concen: 106.241 ug/l

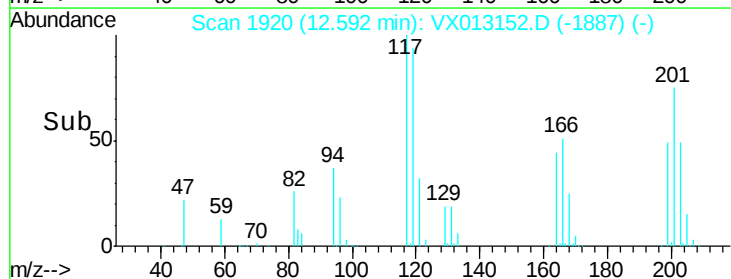
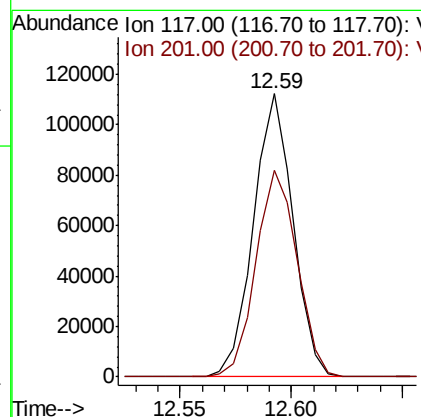
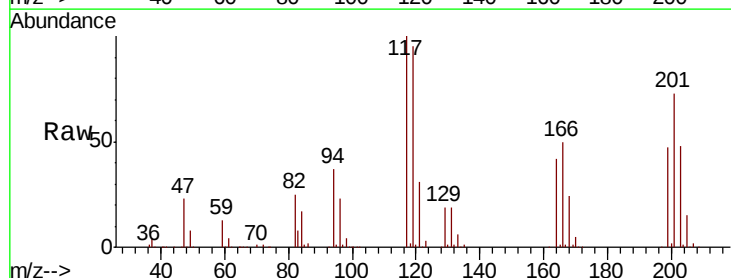
RT: 12.59 min Scan# 1920

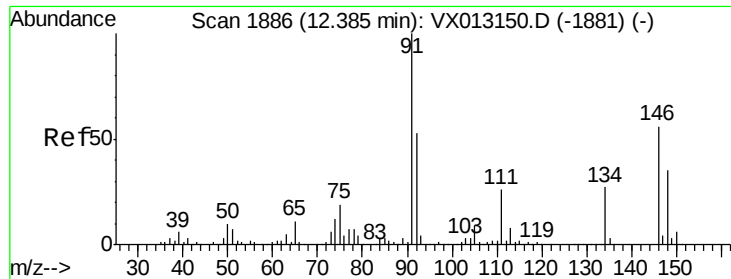
Delta R.T. -0.00 min

Lab File: VX013152.D

Acq: 21 Oct 2019 13:46

Tgt Ion:	117	Resp:	138966
Ion Ratio	Lower	Upper	
117	100		
201	76.3	35.9	107.5





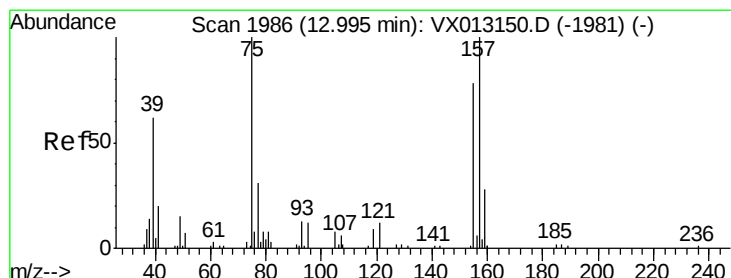
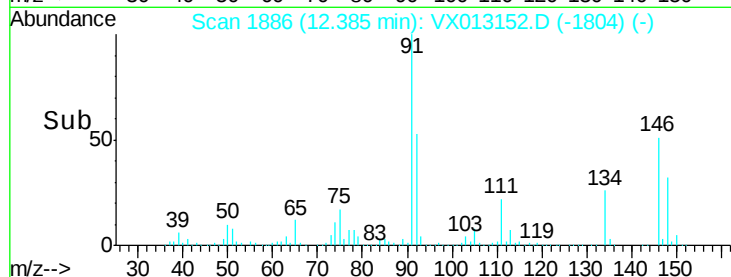
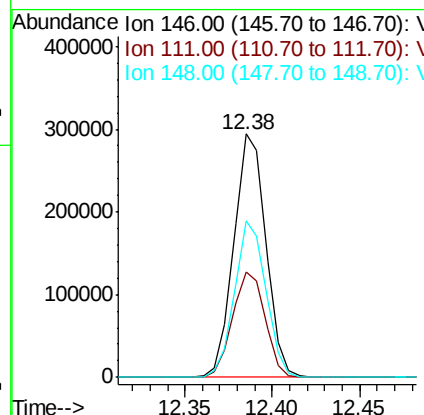
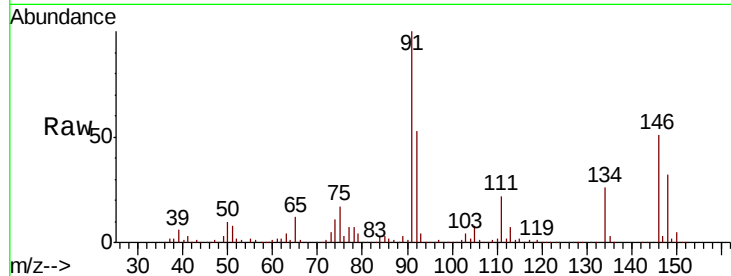
#87
 1,2-Dichlorobenzene
 Concen: 102.165 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013152.D
 Acq: 21 Oct 2019 13:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.5	67.5
148	63.1	31.4	94.2

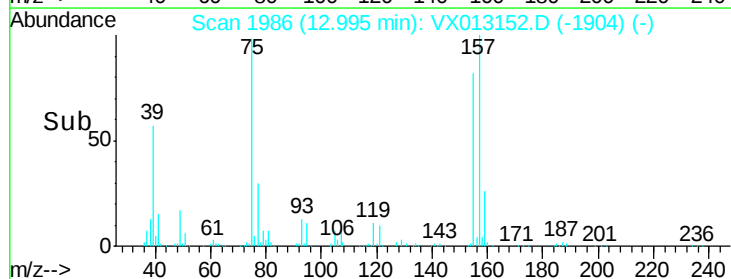
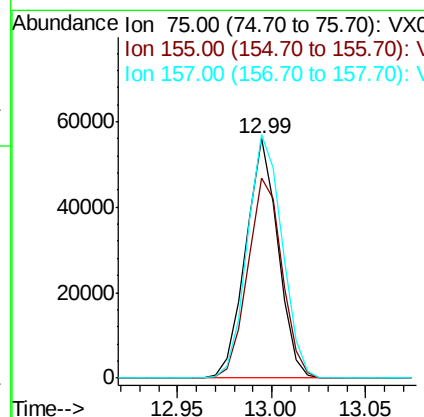
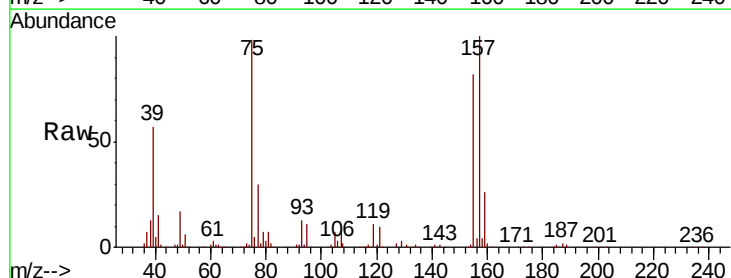
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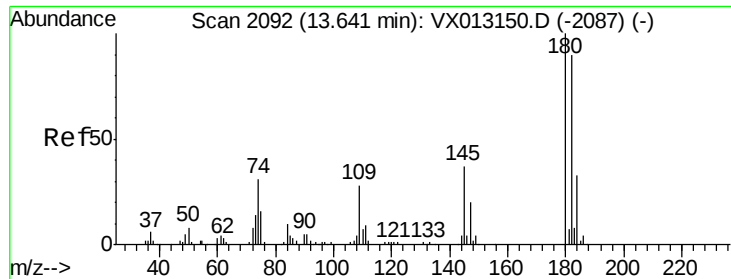
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 102.578 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013152.D
 Acq: 21 Oct 2019 13:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.6	65.4	98.0
157	109.6	84.1	126.1





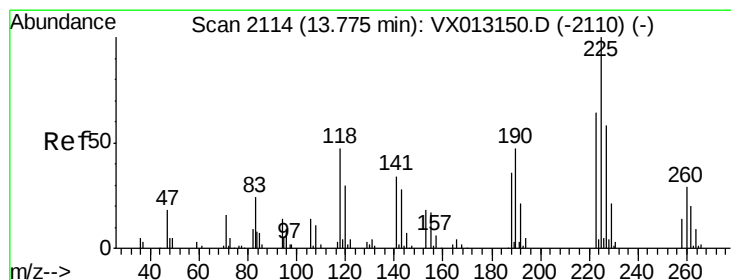
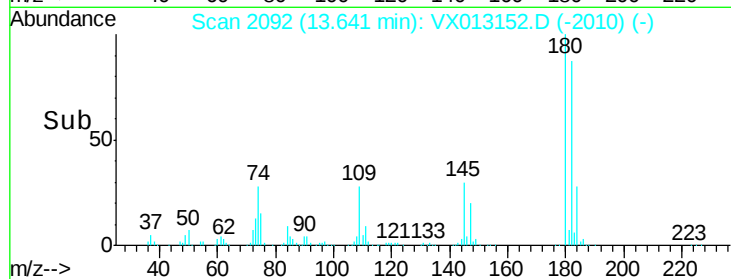
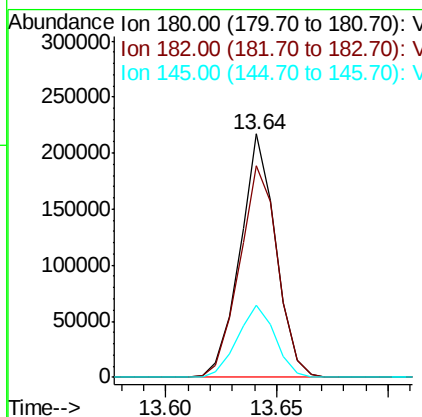
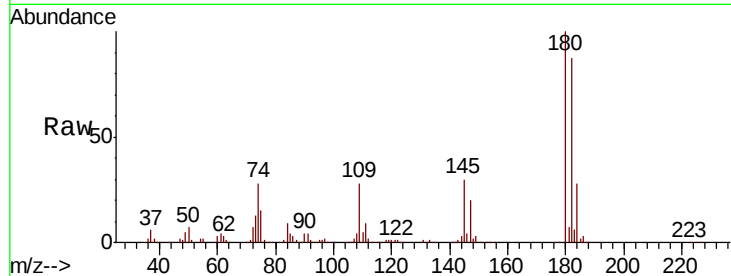
#89
1,2,4-Trichlorobenzene
Concen: 106.427 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. -0.00 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	76.1	114.1
145	31.5	27.4	41.2

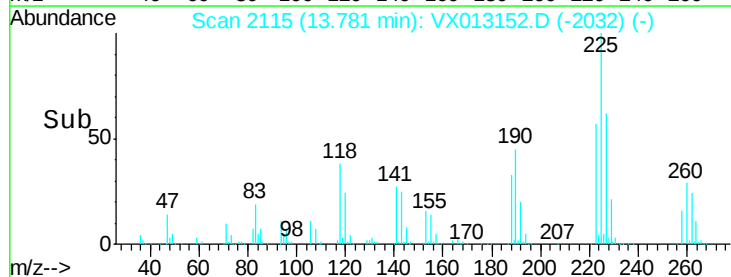
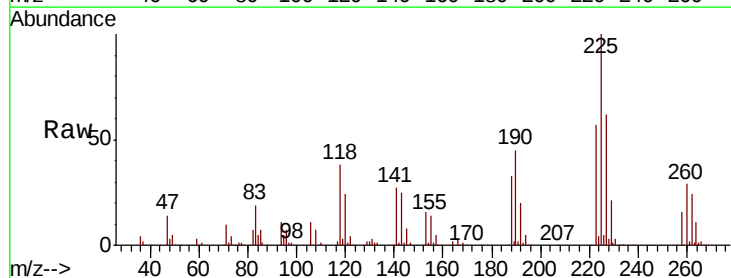
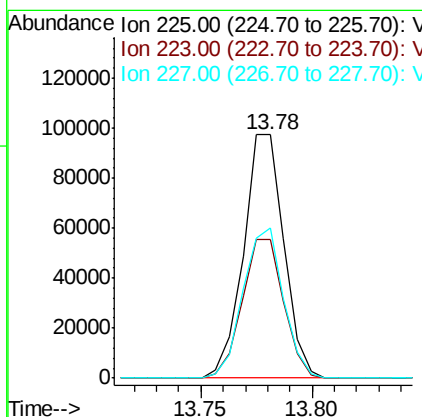
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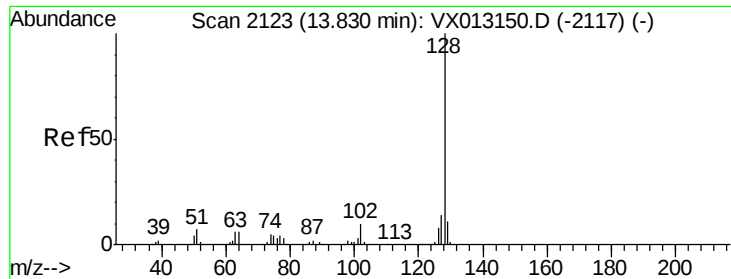
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#90
Hexachlorobutadiene
Concen: 113.069 ug/l
RT: 13.78 min Scan# 2115
Delta R.T. 0.01 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.4	0.0	131.2
227	61.2	0.0	127.0





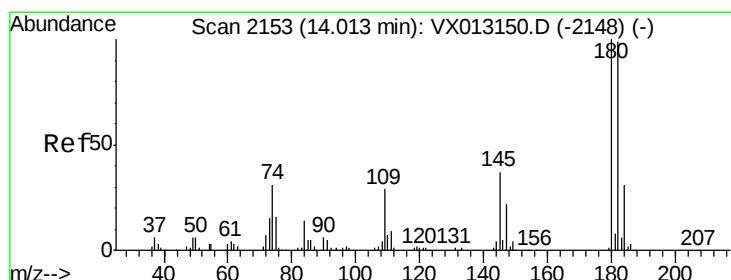
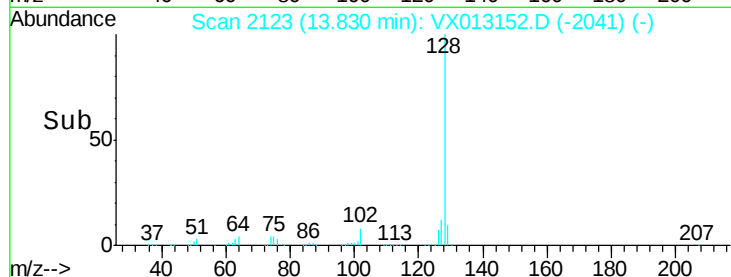
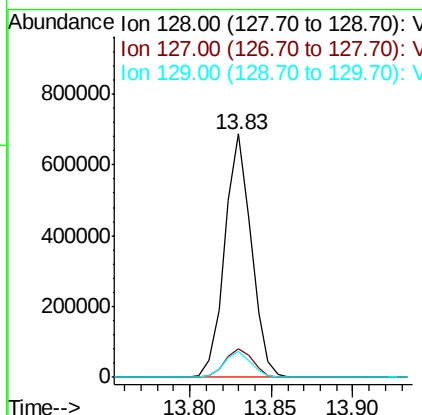
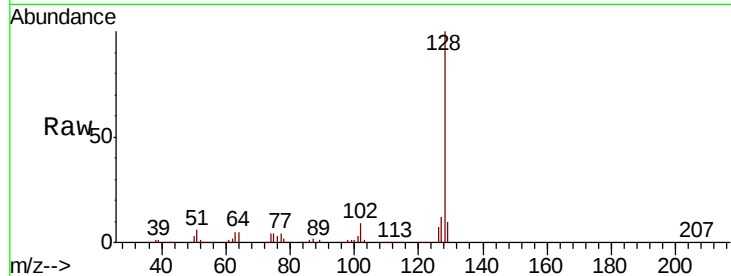
#91
Naphthalene
Concen: 100.995 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.9	8.6	12.8

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 102.891 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX013152.D
Acq: 21 Oct 2019 13:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	0.0	194.4
145	34.5	0.0	71.2

