

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112019\
 Data File : VX013468.D
 Acq On : 20 Nov 2019 09:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/21/2019 9:50:50 AM

Quant Time: Nov 21 00:57:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	655587	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	987554	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	892835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	454876	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	365764	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	
35) Dibromofluoromethane	5.48	113	303431	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
50) Toluene-d8	8.71	98	1160644	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
62) 4-Bromofluorobenzene	11.13	95	416309	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	350444	46.394	ug/l	100
3) Chloromethane	1.31	50	377712	46.110	ug/l	99
4) Vinyl Chloride	1.40	62	452765	48.550	ug/l	99
5) Bromomethane	1.62	94	291732	44.890	ug/l	98
6) Chloroethane	1.71	64	250716	46.958	ug/l	99
7) Trichlorofluoromethane	1.92	101	506837	46.002	ug/l	98
8) Diethyl Ether	2.17	74	236257	48.491	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	317866	51.762	ug/l	99
10) Methyl Iodide	2.50	142	363669	47.833	ug/l	98
11) Tert butyl alcohol	3.03	59	412383	201.448	ug/l	100
12) 1,1-Dichloroethene	2.36	96	303260	50.429	ug/l	99
13) Acrolein	2.28	56	281658	253.868	ug/l	98
14) Allyl chloride	2.72	41	576488	52.761	ug/l	97
15) Acrylonitrile	3.12	53	994842	260.166	ug/l	98
16) Acetone	2.43	43	978434	252.567	ug/l	99
17) Carbon Disulfide	2.56	76	753662	46.824	ug/l	98
18) Methyl Acetate	2.76	43	571054	53.394	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	1082724	53.982	ug/l	99
20) Methylene Chloride	2.84	84	356090	49.750	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	331188	50.581	ug/l	96
22) Diisopropyl ether	3.84	45	1165782	55.264	ug/l	99
23) Vinyl Acetate	3.80	43	4826355	267.377	ug/l	99
24) 1,1-Dichloroethane	3.68	63	618968	52.452	ug/l	99
25) 2-Butanone	4.65	43	1471095	258.852	ug/l	98
26) 2,2-Dichloropropane	4.56	77	522004	55.605	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	393355	53.629	ug/l	100
28) Bromochloromethane	5.00	49	177865	53.085	ug/l	98
29) Tetrahydrofuran	5.11	42	894451	255.397	ug/l	99
30) Chloroform	5.19	83	615799	52.847	ug/l	100
31) Cyclohexane	5.56	56	534705	50.356	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	517821	51.638	ug/l	99
36) 1,1-Dichloropropene	5.78	75	458267	54.092	ug/l	99
37) Ethyl Acetate	4.81	43	530694	50.694	ug/l	99
38) Carbon Tetrachloride	5.77	117	446035	53.839	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	557966	52.856	ug/l	98
40) Benzene	6.13	78	1403114	53.168	ug/l	99
41) Methacrylonitrile	5.03	41	303401	51.708	ug/l	98
42) 1,2-Dichloroethane	6.18	62	493505	51.844	ug/l	100
43) Isopropyl Acetate	6.43	43	880792	54.032	ug/l	100
44) Trichloroethene	7.20	130	376533	51.834	ug/l	96
45) 1,2-Dichloropropane	7.50	63	368368	54.784	ug/l	98
46) Dibromomethane	7.65	93	238364	51.920	ug/l	98
47) Bromodichloromethane	7.89	83	489774	56.574	ug/l	97
48) Methyl methacrylate	7.76	41	441096	54.207	ug/l	98
49) 1,4-Dioxane	7.73	88	156886	841.877	ug/l	94
51) 4-Methyl-2-Pentanone	8.63	43	2776639	259.617	ug/l	100
52) Toluene	8.78	92	877868	53.671	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	543811	57.445	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	602316	56.879	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	367901	54.266	ug/l	98
56) Ethyl methacrylate	9.17	69	594622	51.332	ug/l	97
57) 1,3-Dichloropropane	9.36	76	620286	53.898	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	1320782	284.927	ug/l	100
59) 2-Hexanone	9.48	43	2157532	261.046	ug/l	99
60) Dibromochloromethane	9.57	129	395218	57.000	ug/l	99
61) 1,2-Dibromoethane	9.67	107	380821	52.899	ug/l	99
64) Tetrachloroethene	9.33	164	329405	51.538	ug/l	98
65) Chlorobenzene	10.13	112	958364	53.019	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	365932	55.135	ug/l	100
67) Ethyl Benzene	10.25	91	1681807	53.909	ug/l	98
68) m/p-Xylenes	10.36	106	1288106	109.176	ug/l	100
69) o-Xylene	10.69	106	623082	53.942	ug/l	100
70) Styrene	10.71	104	1087251	56.308	ug/l	99
71) Bromoform	10.85	173	310498	50.427	ug/l	99
73) Isopropylbenzene	11.01	105	1695266	56.211	ug/l	100
74) N-amyl acetate	10.89	43	788824	56.403	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	589647	53.592	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	479640m	51.914	ug/l	
77) Bromobenzene	11.25	156	435376	54.151	ug/l	99
78) n-propylbenzene	11.35	91	1937795	57.681	ug/l	100
79) 2-Chlorotoluene	11.42	91	1129421	55.798	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1418979	56.486	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	204330	56.925	ug/l	96
82) 4-Chlorotoluene	11.51	91	1312608	55.398	ug/l	100
83) tert-Butylbenzene	11.76	119	1432014	56.629	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1429189	56.714	ug/l	100
85) sec-Butylbenzene	11.94	105	1678498	57.754	ug/l	100
86) p-Isopropyltoluene	12.06	119	1560259	58.301	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	788143	54.994	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	784773	53.746	ug/l	100
89) n-Butylbenzene	12.39	91	1361222	58.292	ug/l	99
90) Hexachloroethane	12.59	117	278087	58.321	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	782695	54.636	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	126841	47.319	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	563478	56.389	ug/l	99
94) Hexachlorobutadiene	13.78	225	272132	55.664	ug/l	98
95) Naphthalene	13.83	128	1681762	53.641	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	549749	54.857	ug/l	99

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

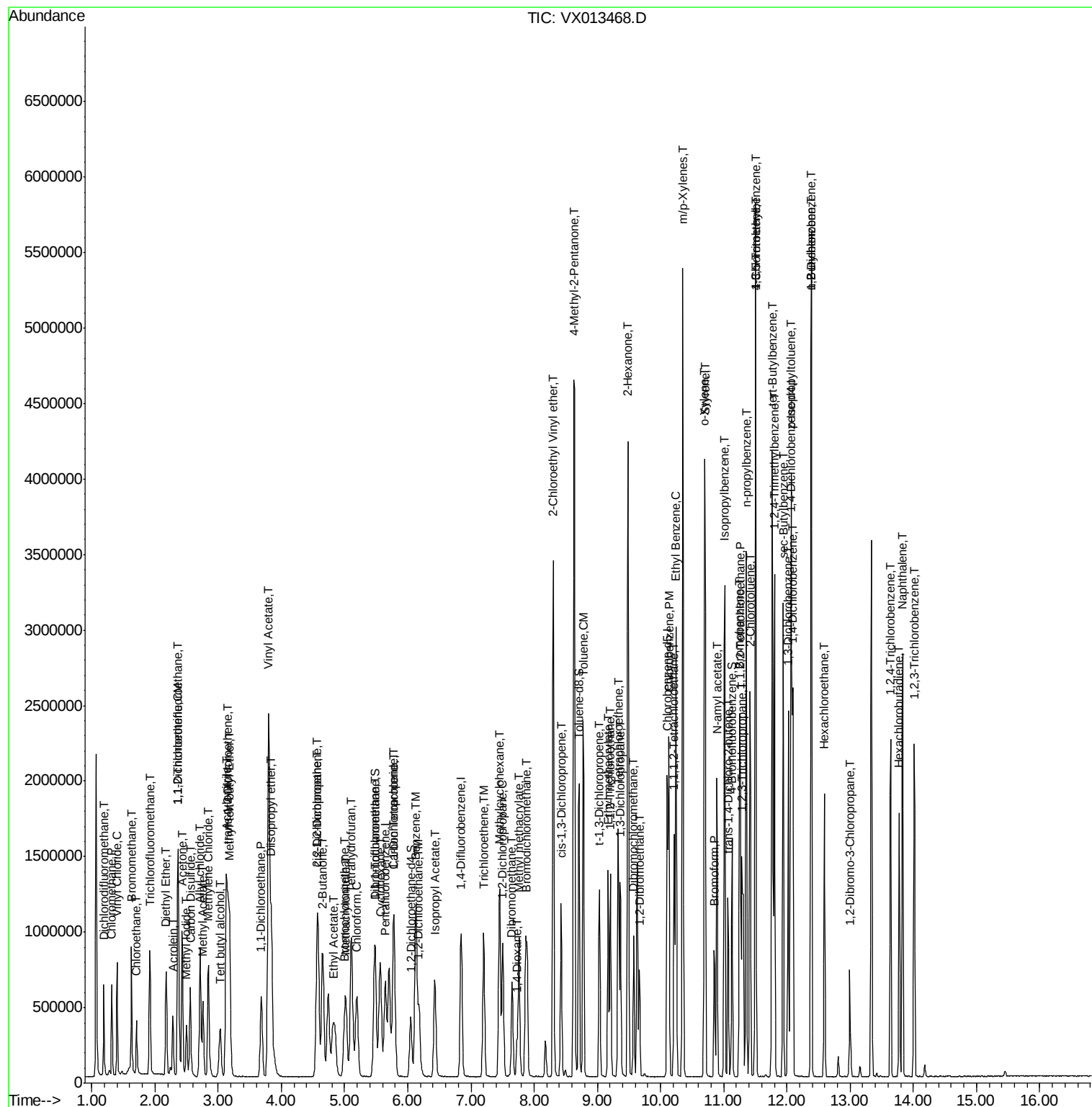
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112019\
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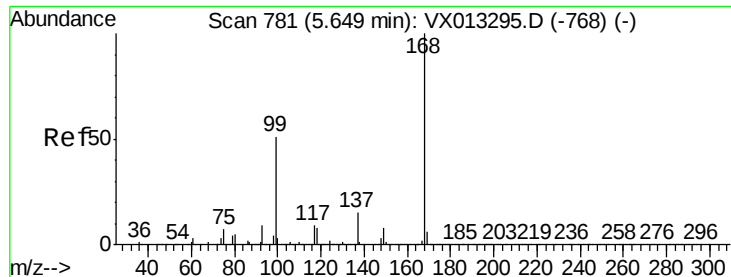
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 655587

Ion Ratio Lower Upper

168 100

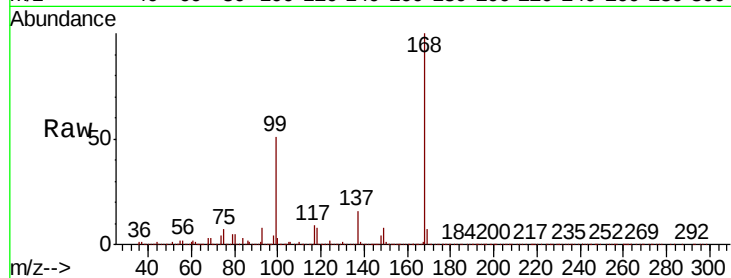
99 50.7 40.8 61.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

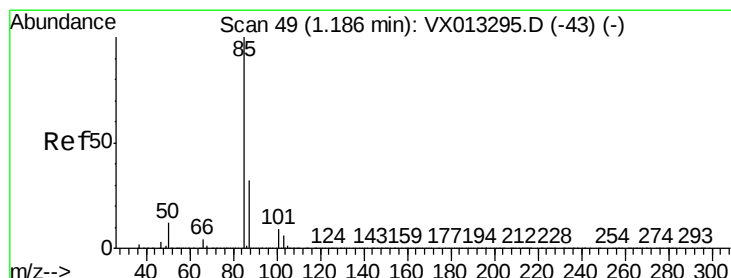
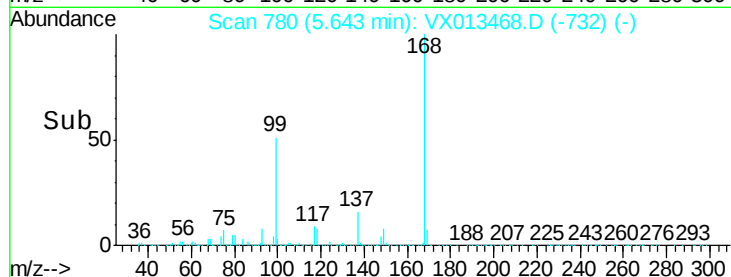
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.394 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX013468.D

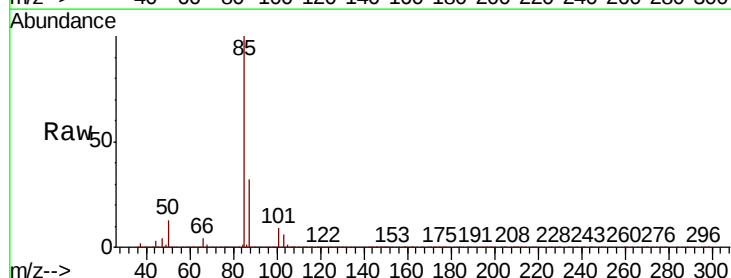
Acq: 20 Nov 2019 09:57

Tgt Ion: 85 Resp: 350444

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

400000

300000

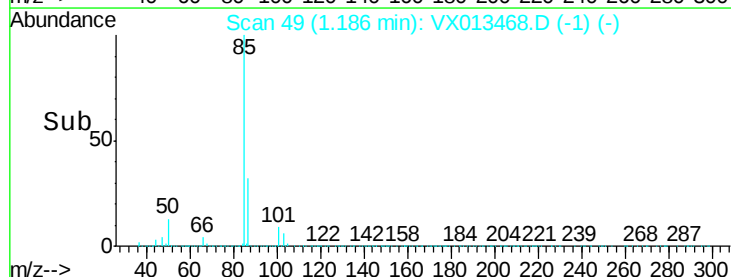
200000

100000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 46.110 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 377712

Ion Ratio Lower Upper

50 100

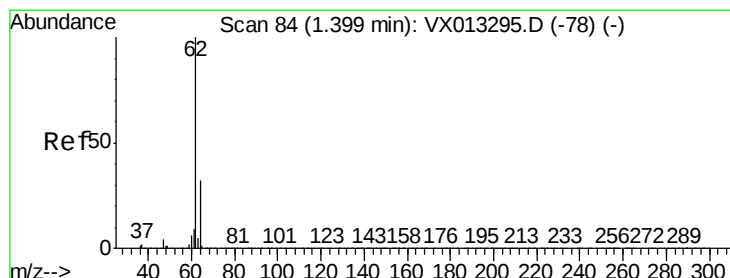
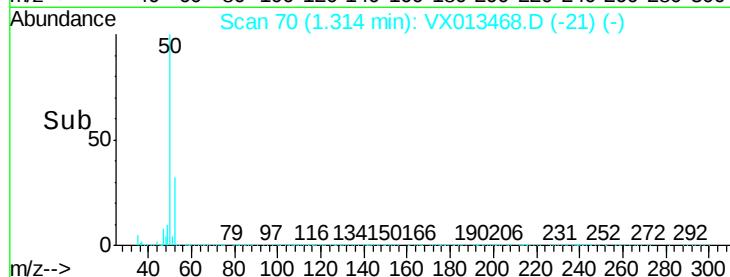
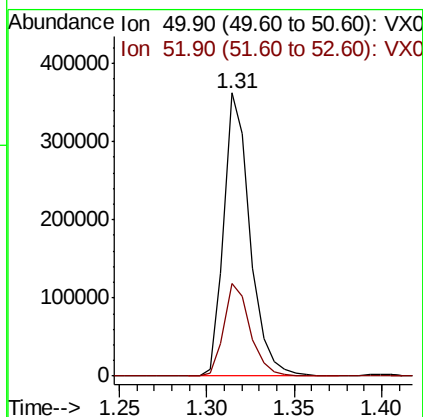
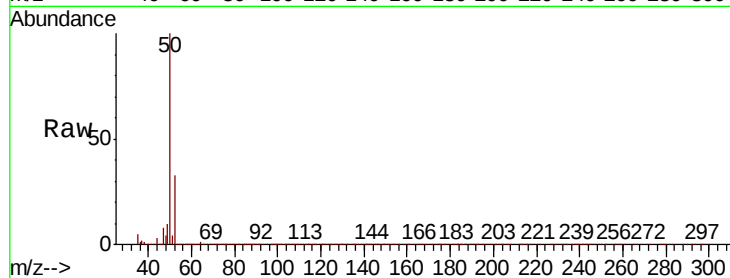
52 32.4 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.550 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013468.D

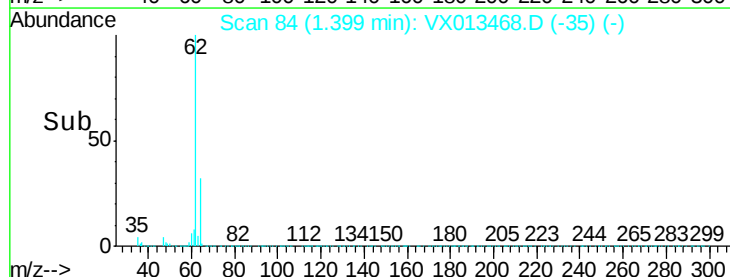
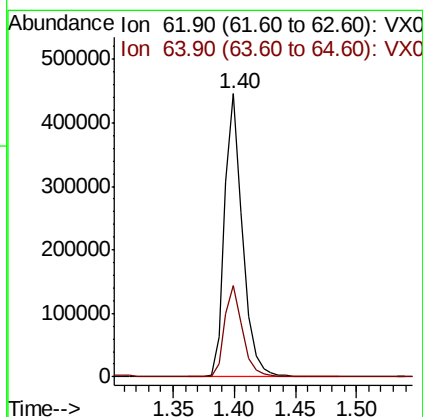
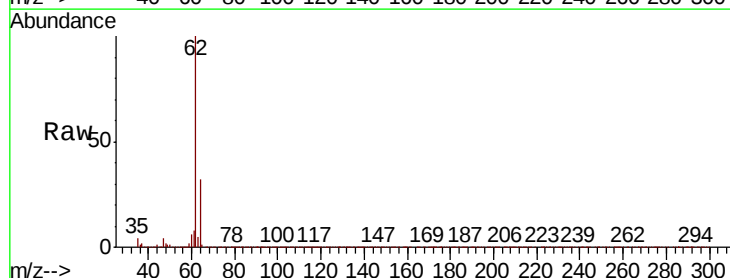
Acq: 20 Nov 2019 09:57

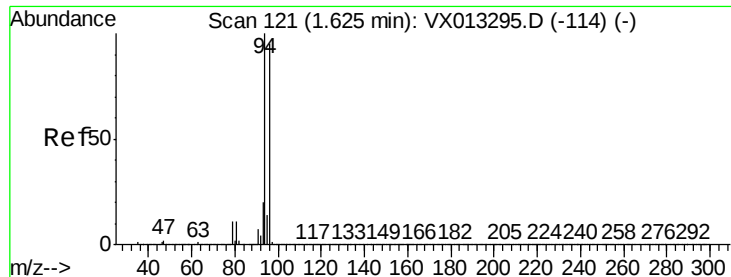
Tgt Ion: 62 Resp: 452765

Ion Ratio Lower Upper

62 100

64 32.3 25.6 38.4





#5

Bromomethane

Concen: 44.890 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

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ClientSampleId :

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Tot Ion: 94 Resp: 291732

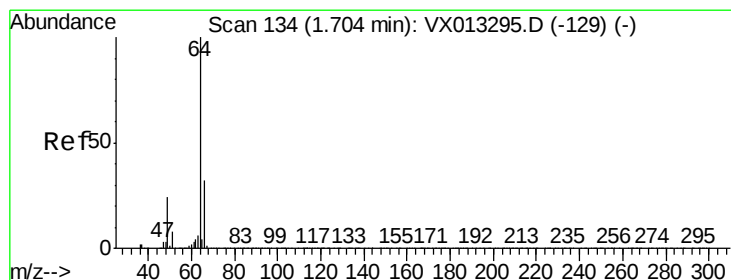
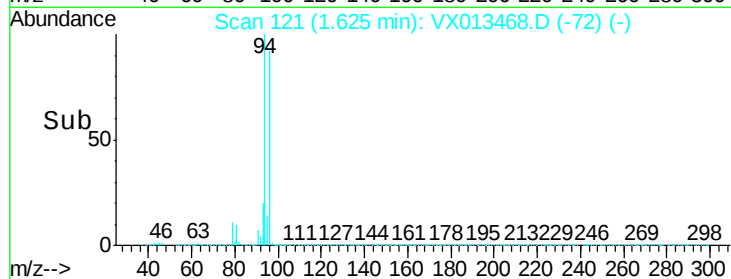
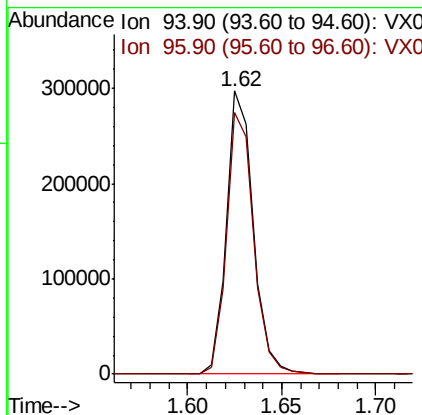
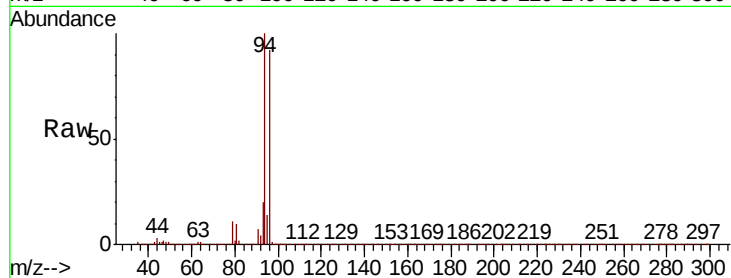
Ion Ratio Lower Upper

94 100

96 92.4 75.8 113.8

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#6

Chloroethane

Concen: 46.958 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX013468.D

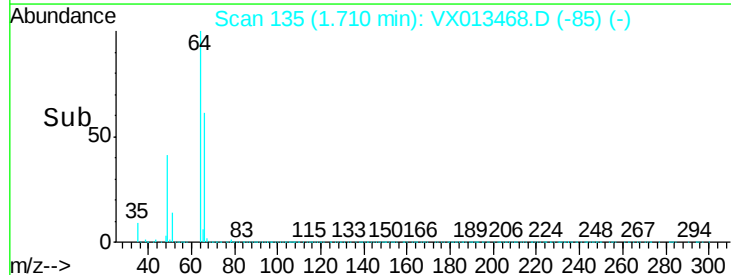
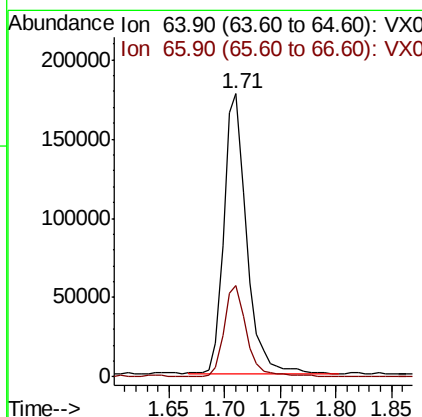
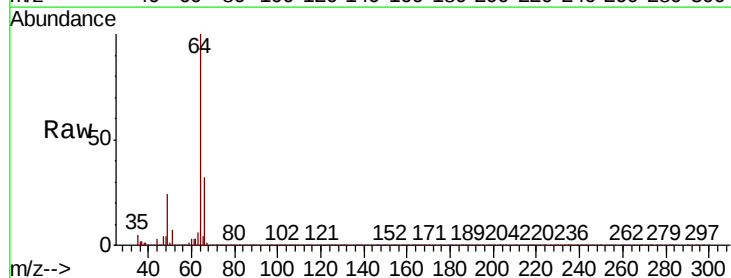
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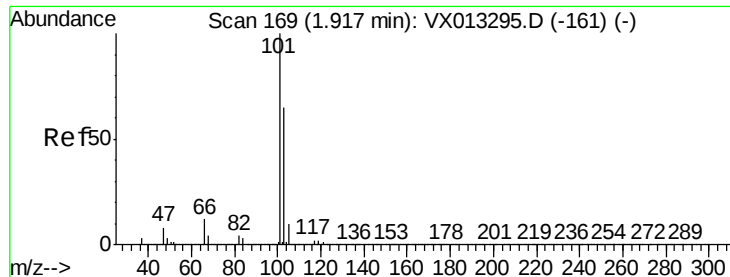
Tgt Ion: 64 Resp: 250716

Ion Ratio Lower Upper

64 100

66 32.4 25.6 38.4





#7

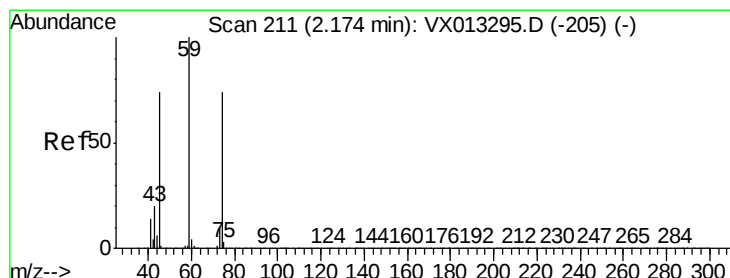
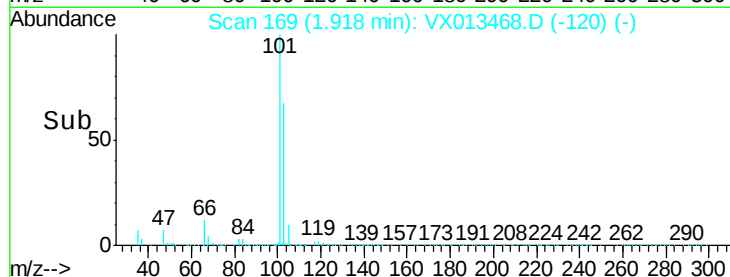
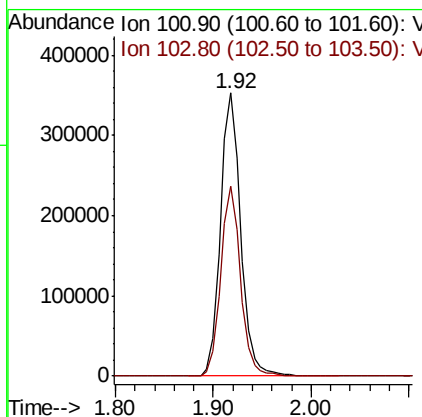
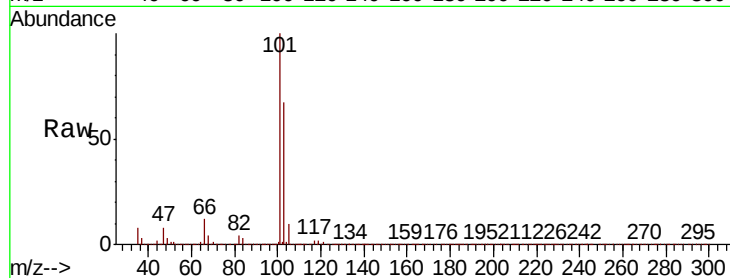
Trichlorofluoromethane
Concen: 46.002 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.8	52.3	78.5

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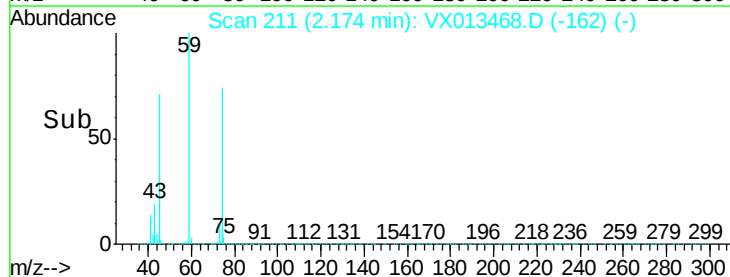
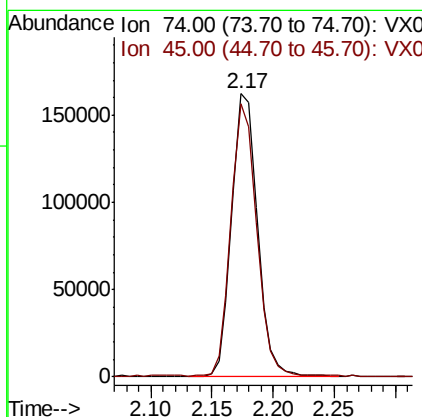
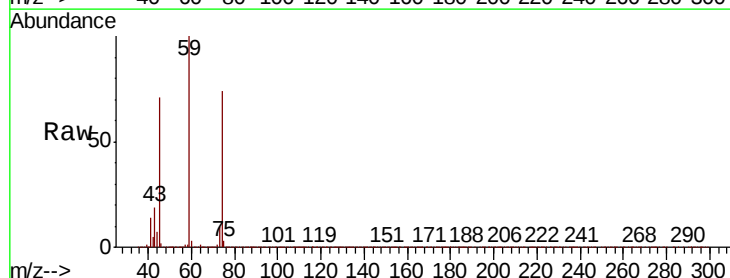
MMDadoda
11/21/2019 9:50:50 AM

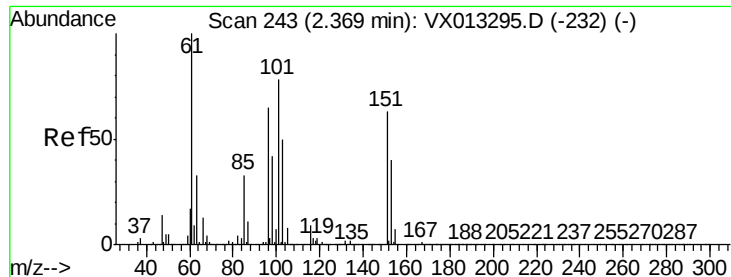


#8

Diethyl Ether
Concen: 48.491 ug/l
RT: 2.17 min Scan# 211
Delta R.T. 0.00 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	48.5	145.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.762 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

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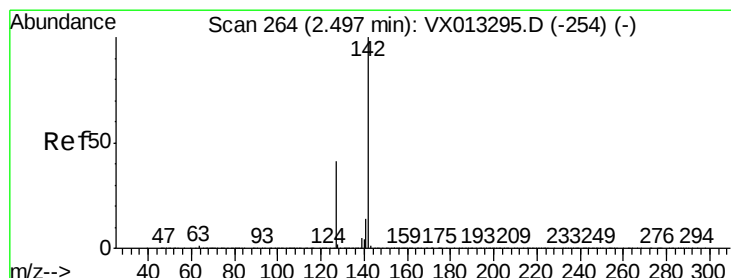
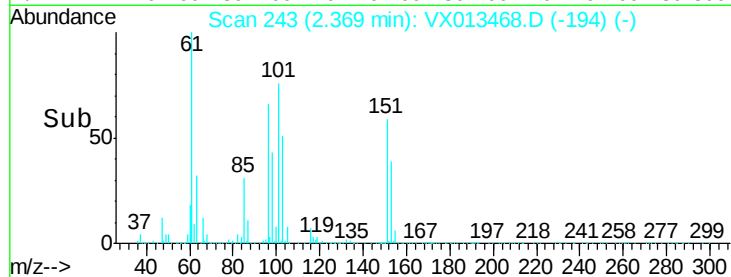
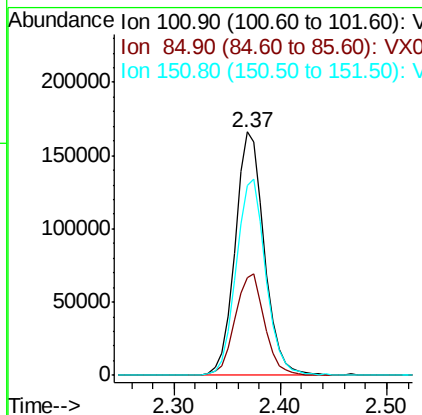
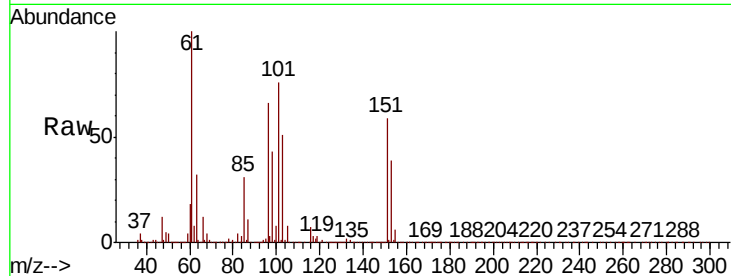
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	317866
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.4	51.6
151	82.4	66.4	99.6

Manual Integrations
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11/21/2019 9:50:50 AM



#10

Methyl Iodide

Concen: 47.833 ug/l

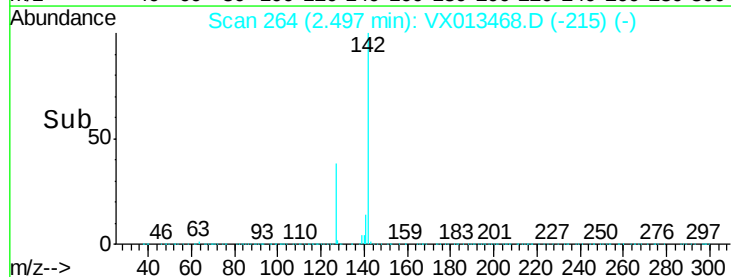
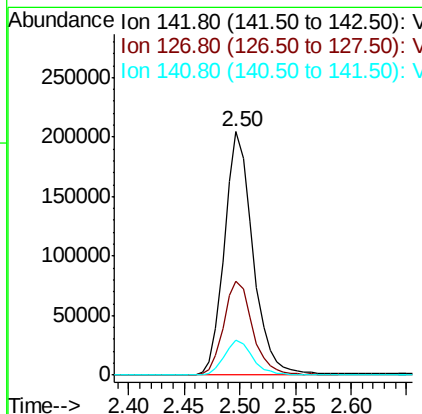
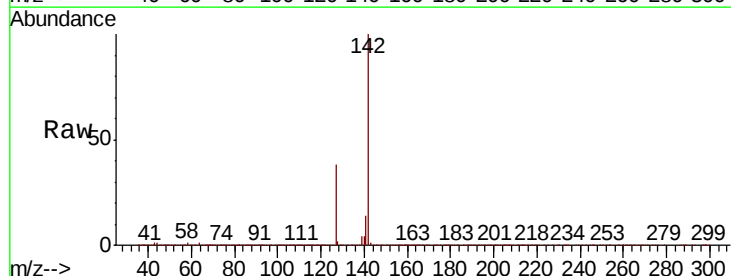
RT: 2.50 min Scan# 264

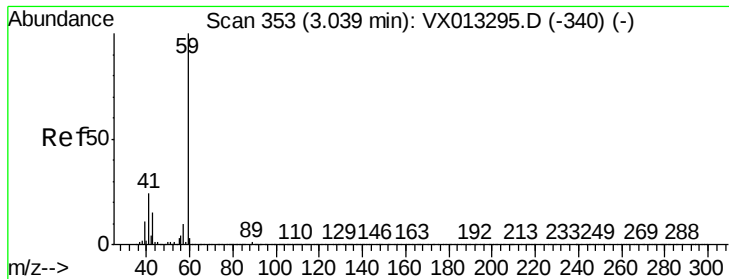
Delta R.T. 0.00 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

Tgt Ion:	142	Resp:	363669
Ion Ratio	Lower	Upper	
142	100		
127	39.1	32.6	49.0
141	14.2	11.6	17.4





#11

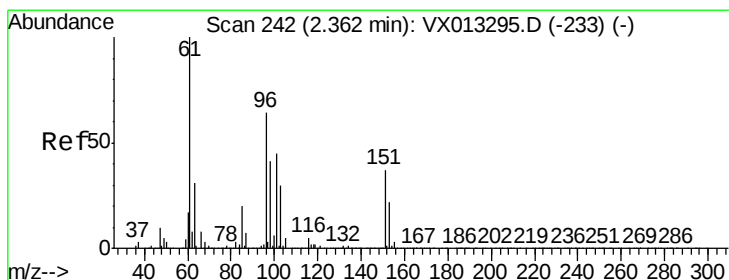
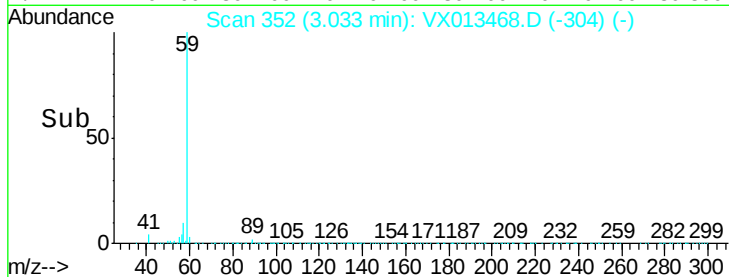
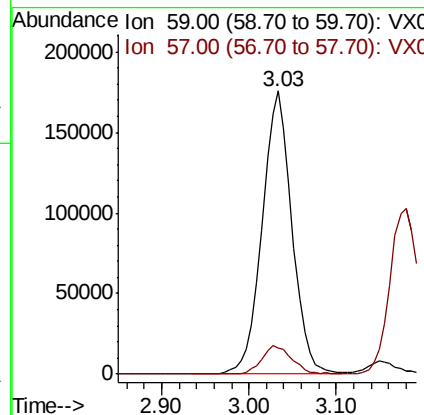
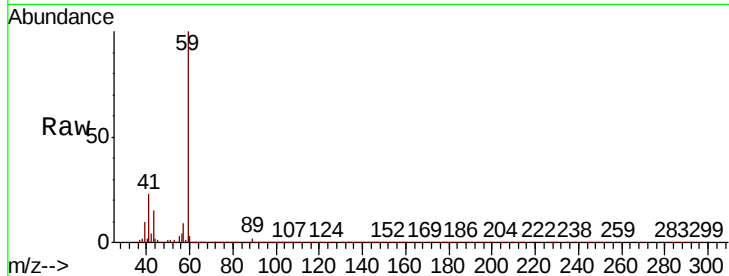
Tert butyl alcohol
Concen: 201.448 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.0	12.0

Manual Integrations
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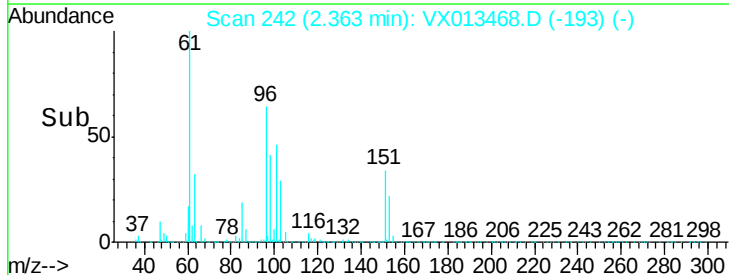
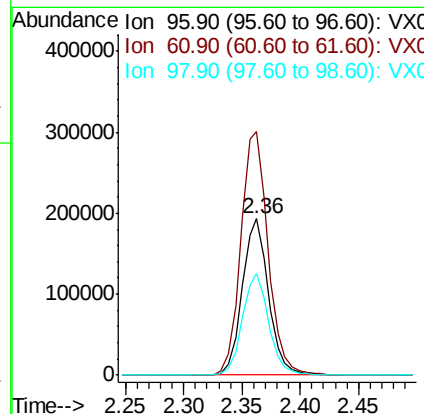
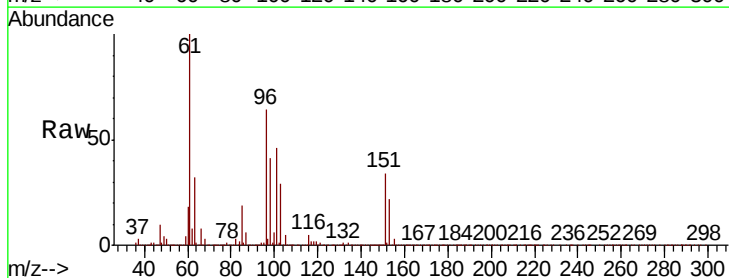
MMDadoda
11/21/2019 9:50:50 AM

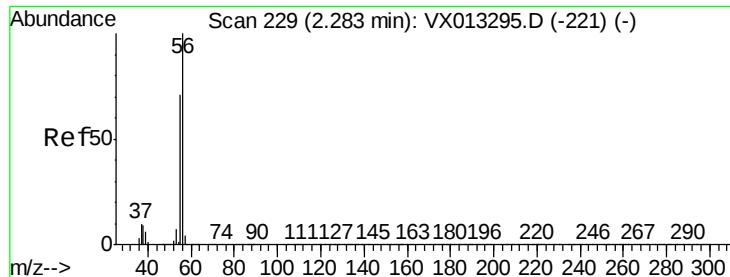


#12

1,1-Dichloroethene
Concen: 50.429 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.6	125.0	187.6
98	64.5	50.7	76.1





#13

Acrolein

Concen: 253.868 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 281658

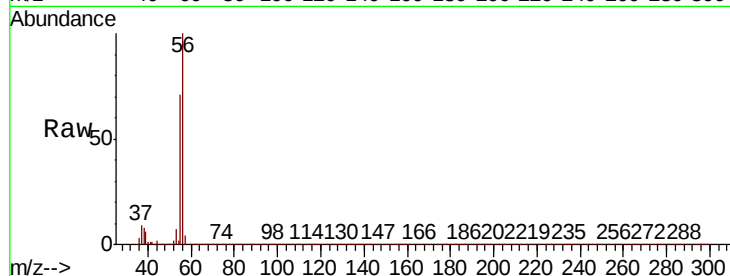
Ion Ratio Lower Upper

56 100

55 70.1 57.4 86.0

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

200000

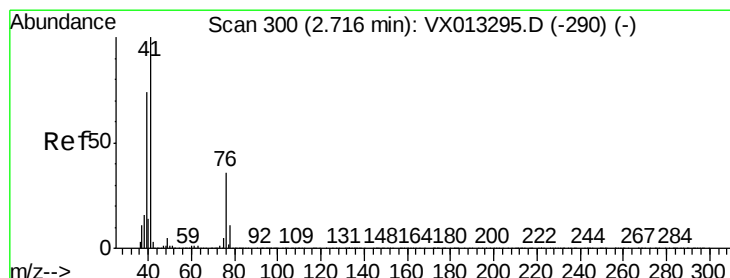
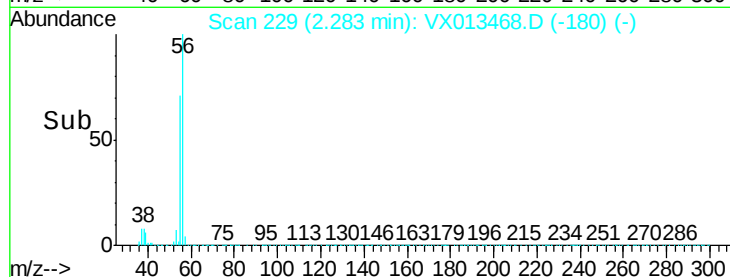
150000

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 52.761 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

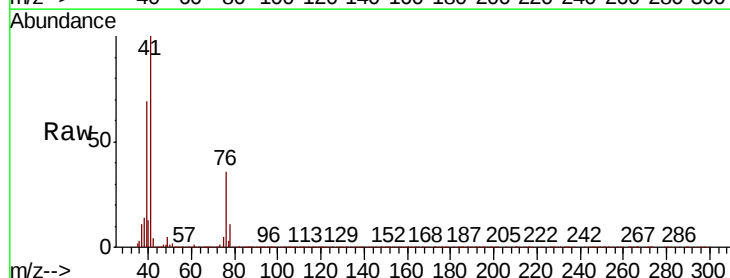
Tgt Ion: 41 Resp: 576488

Ion Ratio Lower Upper

41 100

39 66.1 55.8 83.8

76 32.6 26.4 39.6



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

500000

400000

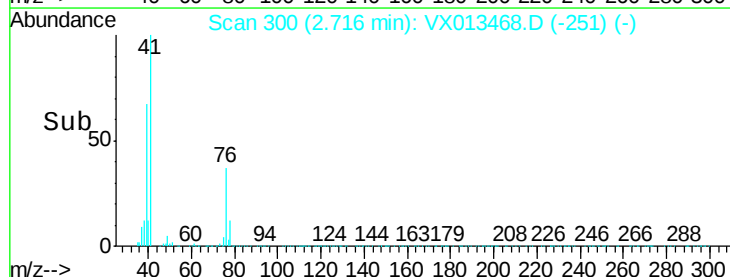
300000

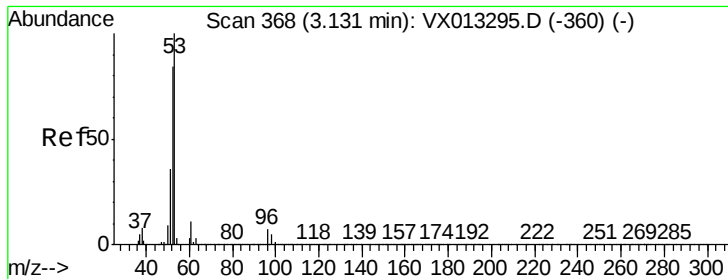
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 260.166 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

Instrument :

MSVOA_X

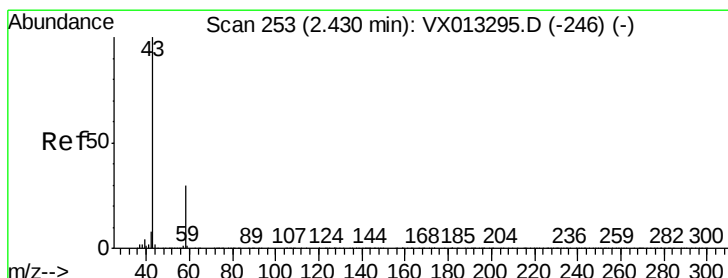
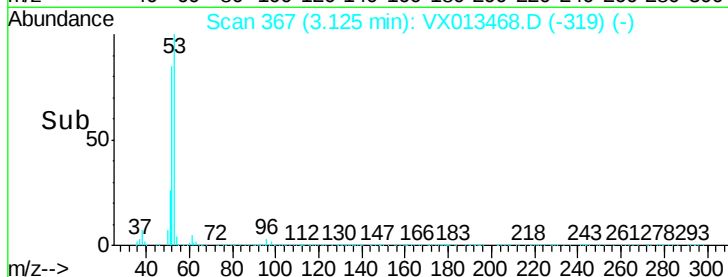
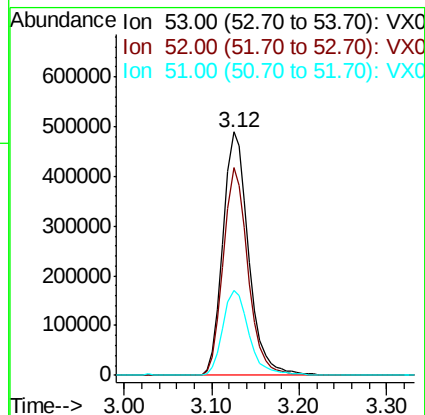
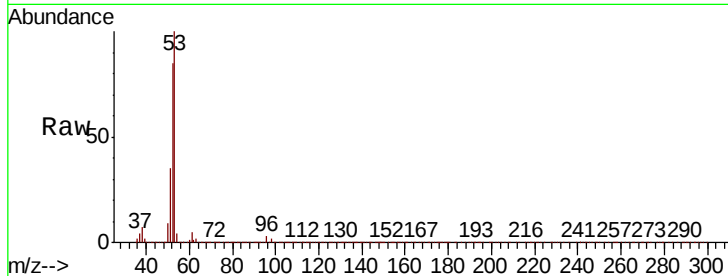
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	994842
Ion Ratio	Lower	Upper	
53	100		
52	82.8	67.4	101.0
51	35.7	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 252.567 ug/l

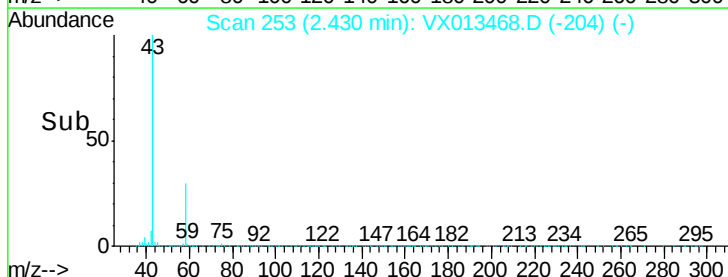
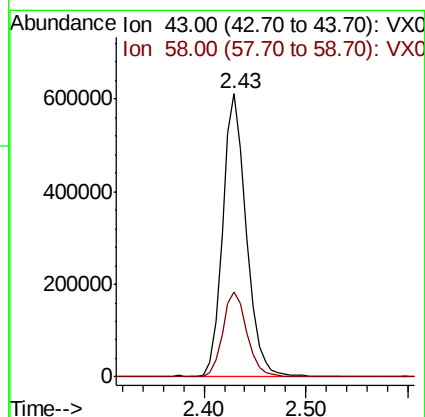
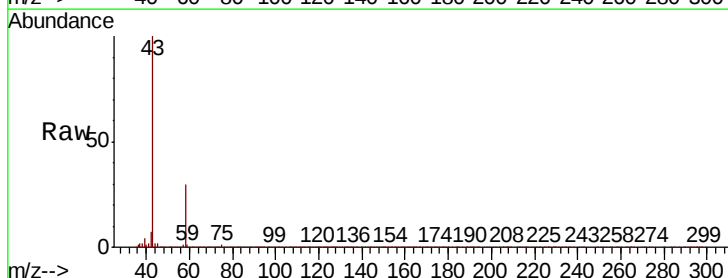
RT: 2.43 min Scan# 253

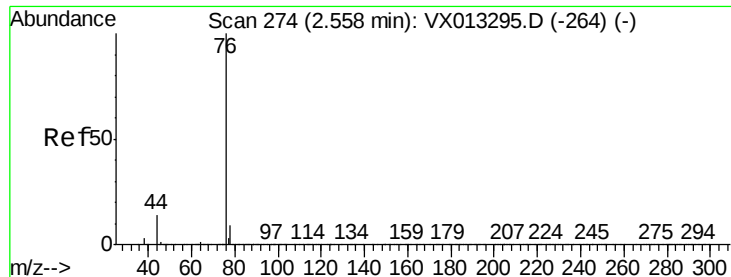
Delta R.T. 0.00 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

Tgt Ion:	43	Resp:	978434
Ion Ratio	Lower	Upper	
43	100		
58	30.0	24.3	36.5





#17

Carbon Disulfide

Concen: 46.824 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 753662

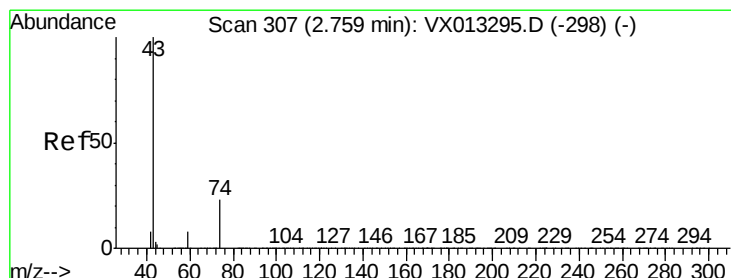
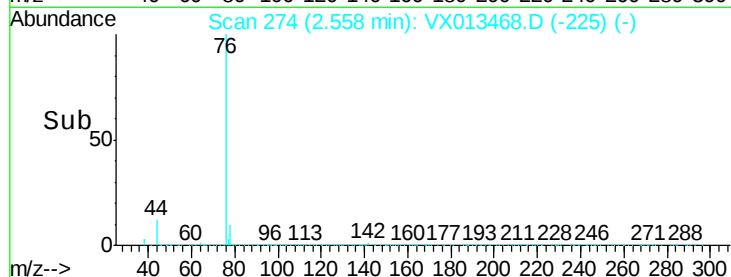
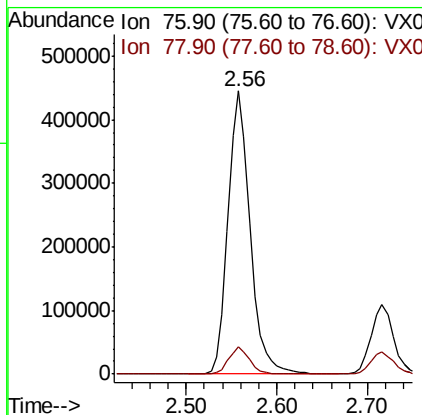
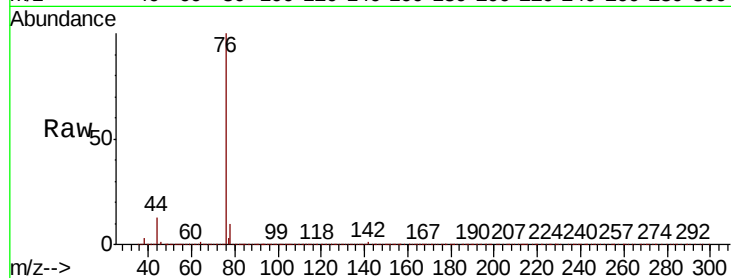
Ion Ratio Lower Upper

76 100

78 9.7 7.0 10.6

Manual Integrations
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#18

Methyl Acetate

Concen: 53.394 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX013468.D

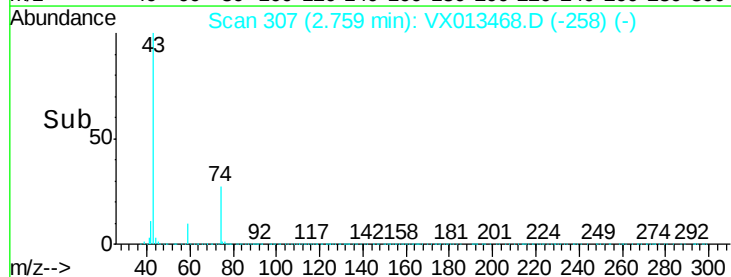
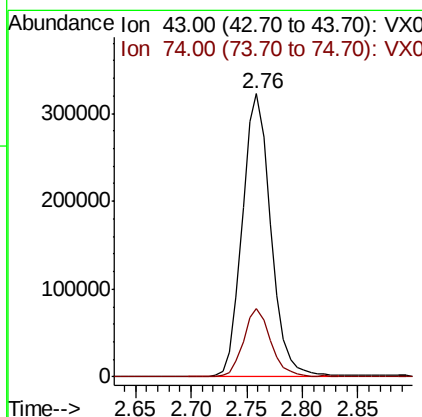
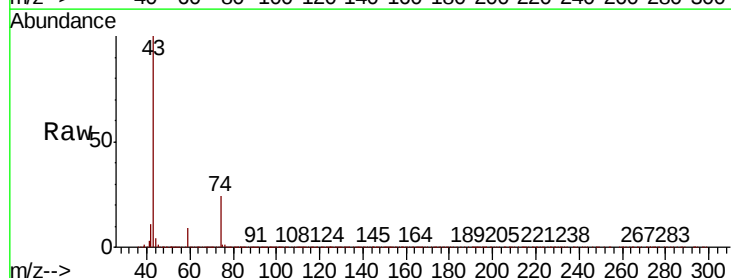
Acq: 20 Nov 2019 09:57

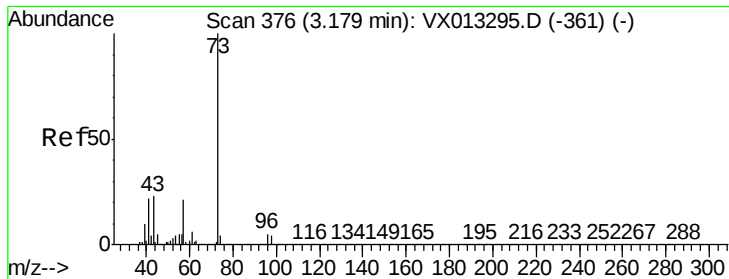
Tgt Ion: 43 Resp: 571054

Ion Ratio Lower Upper

43 100

74 23.4 19.0 28.6





#19

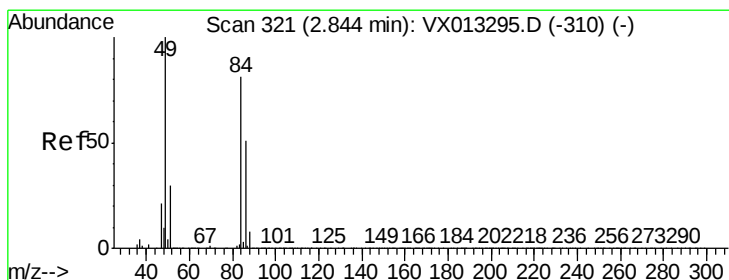
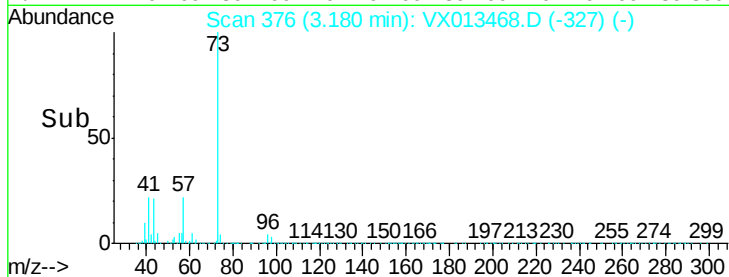
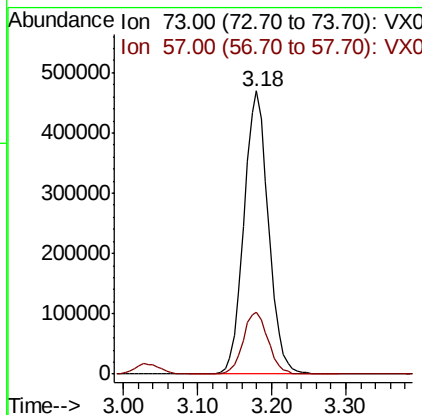
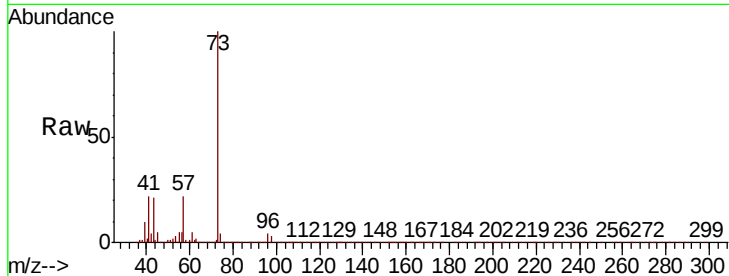
Methvl tert-butvl Ether
Concen: 53.982 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1082724
Ion Ratio Lower Upper
73 100
57 21.8 17.1 25.7

Manual Integrations
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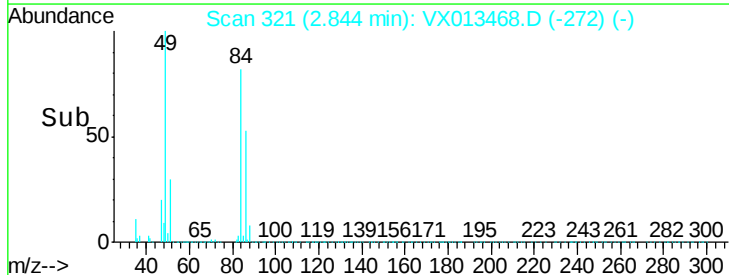
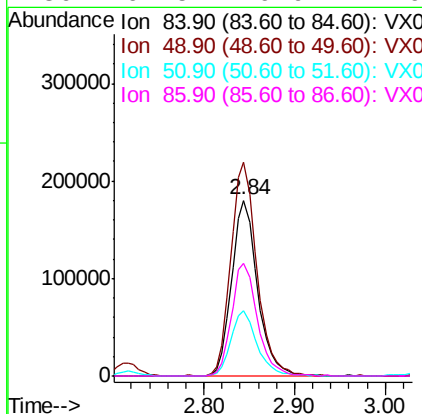
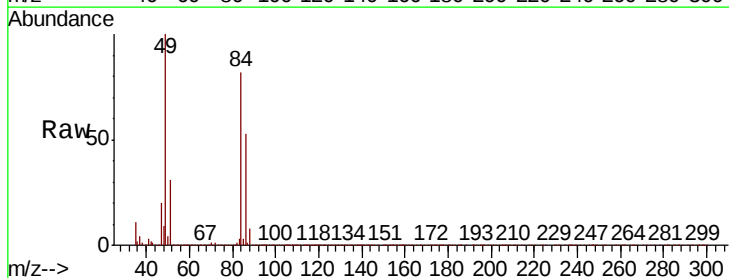
MMDadoda
11/21/2019 9:50:50 AM

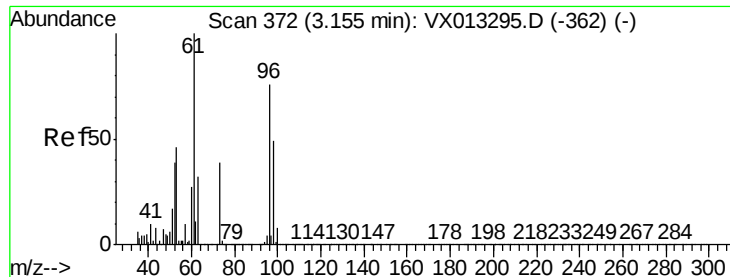


#20

Methylene Chloride
Concen: 49.750 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Tgt Ion: 84 Resp: 356090
Ion Ratio Lower Upper
84 100
49 121.6 98.2 147.4
51 37.0 29.9 44.9
86 64.5 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 50.581 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.01 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

Instrument :

MSVOA_X

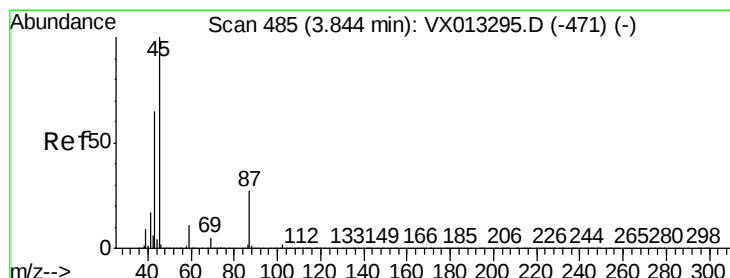
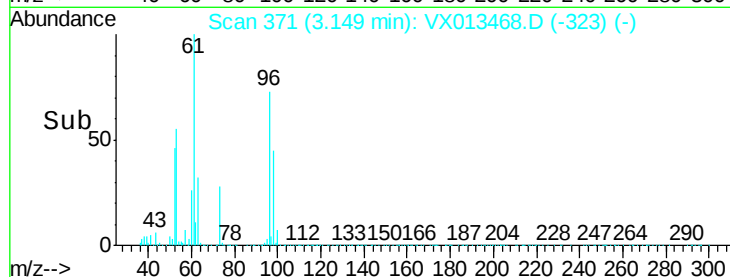
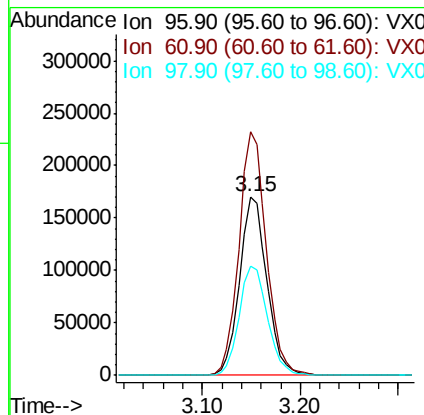
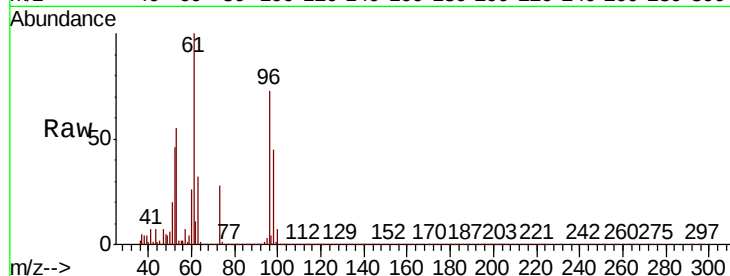
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	331188
Ion	Ratio	Lower	Upper
96	100		
61	136.3	105.8	158.6
98	61.4	51.8	77.6

Manual Integrations
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11/21/2019 9:50:50 AM



#22

Diisopropyl ether

Concen: 55.264 ug/l

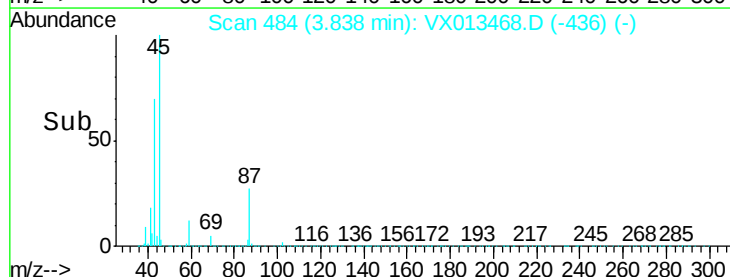
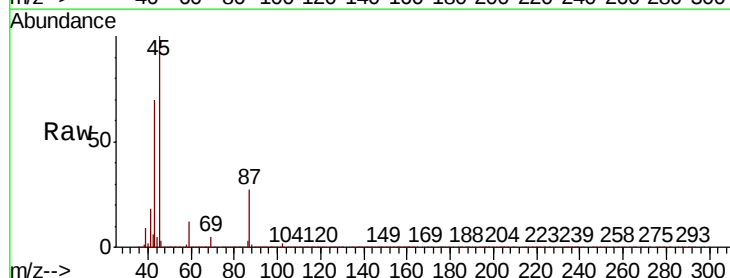
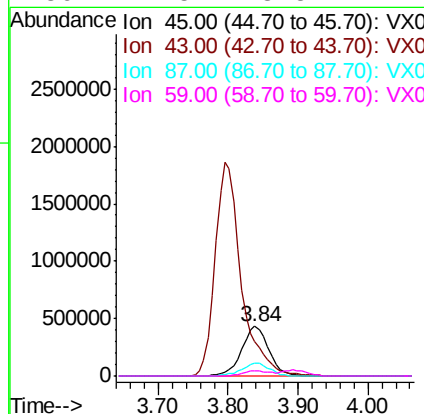
RT: 3.84 min Scan# 484

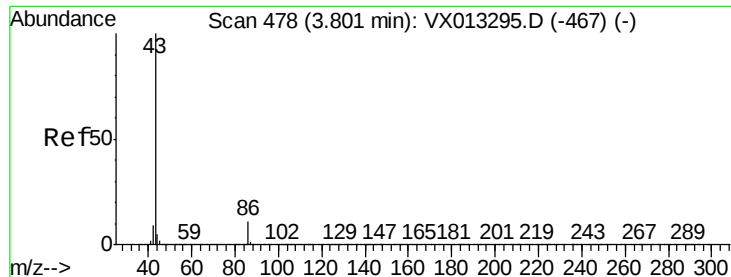
Delta R.T. -0.01 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

Tgt Ion:	45	Resp:	1165782
Ion	Ratio	Lower	Upper
45	100		
43	69.1	54.2	81.2
87	27.2	21.8	32.8
59	11.5	8.5	12.7





#23

Vinyl Acetate

Concen: 267.377 ug/l

RT: 3.80 min Scan# 477

Delta R.T. -0.01 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 4826355

Ion Ratio Lower Upper

43 100

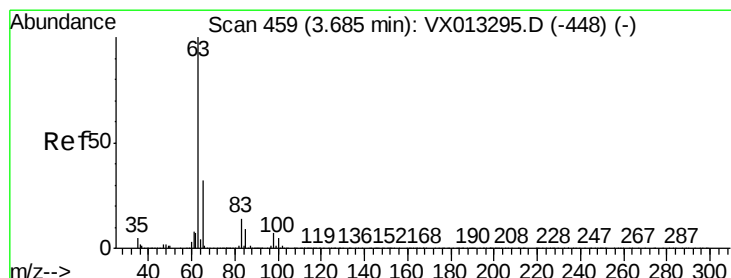
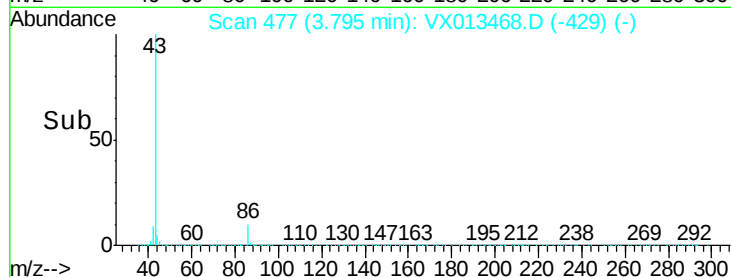
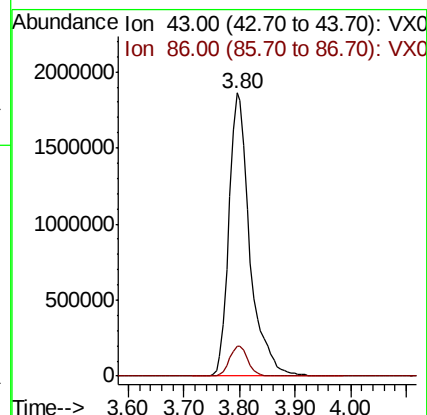
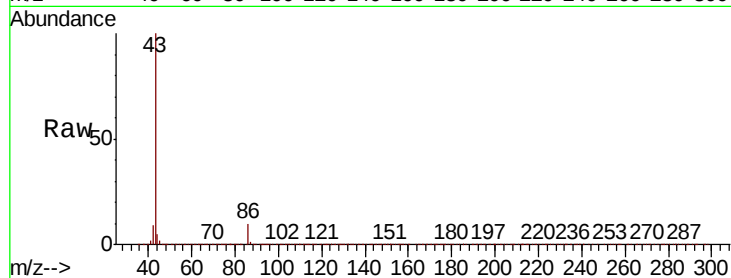
86 10.4 8.6 13.0

Manual Integrations

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MMDadoda

11/21/2019 9:50:50 AM



#24

1,1-Dichloroethane

Concen: 52.452 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

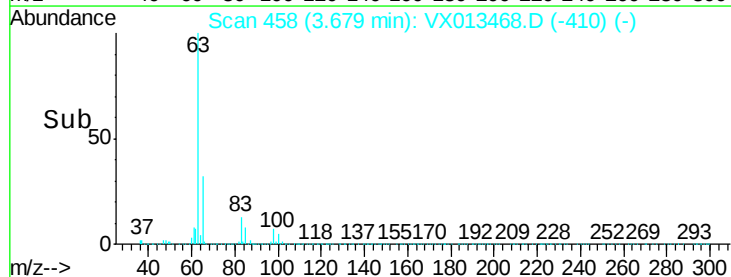
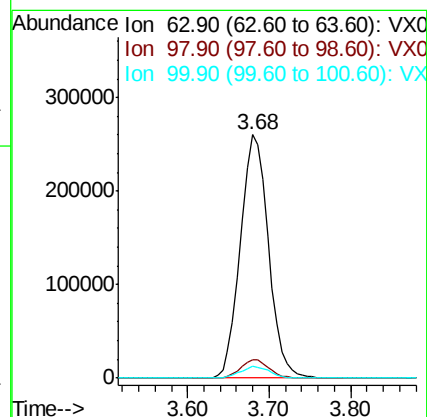
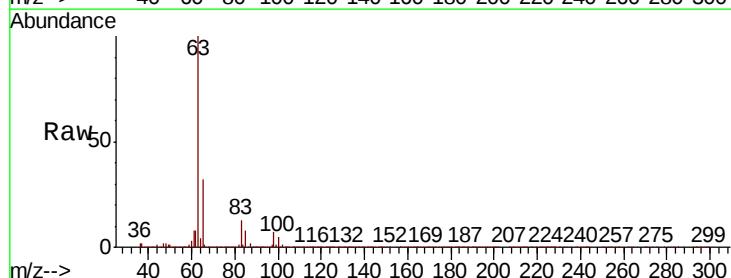
Tgt Ion: 63 Resp: 618968

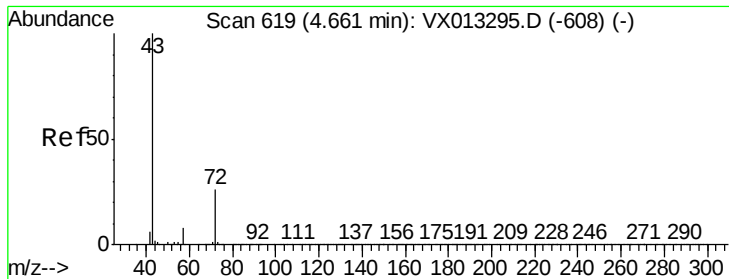
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

100 4.7 2.4 7.2





#25

2-Butanone

Concen: 258.852 ug/l

RT: 4.65 min Scan# 617

Delta R.T. -0.01 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1471095

Ion Ratio Lower Upper

43 100

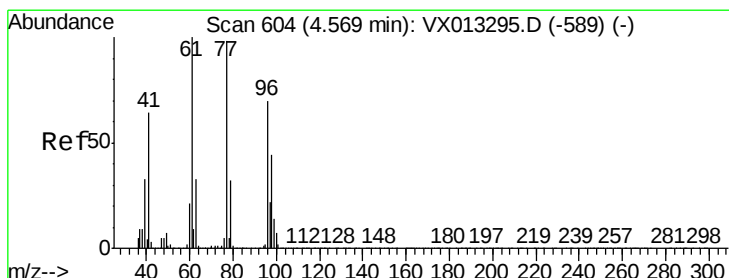
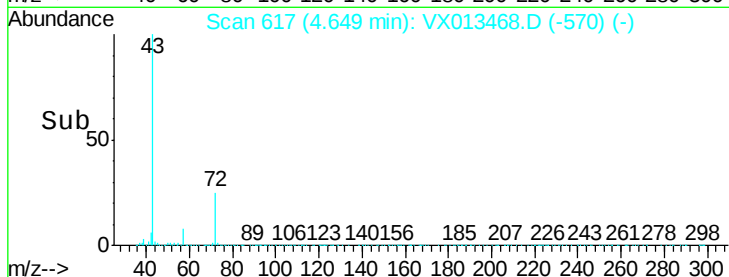
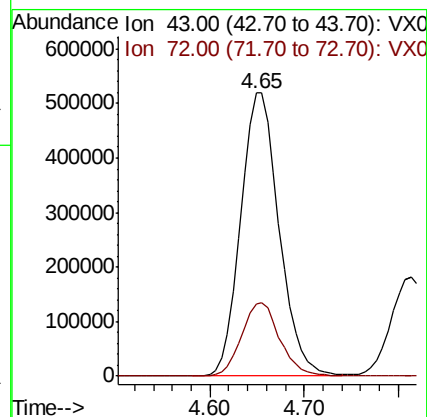
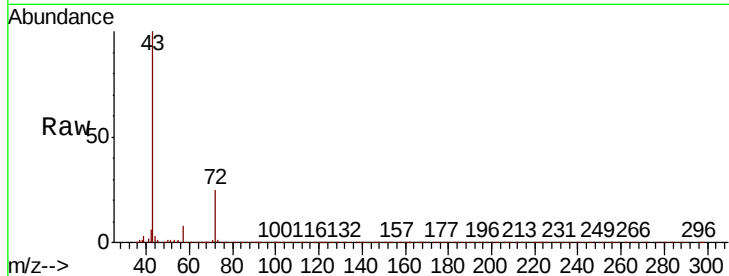
72 25.3 21.0 31.6

Manual Integrations

APPROVED

MMDadoda

11/21/2019 9:50:50 AM



#26

2,2-Dichloropropane

Concen: 55.605 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX013468.D

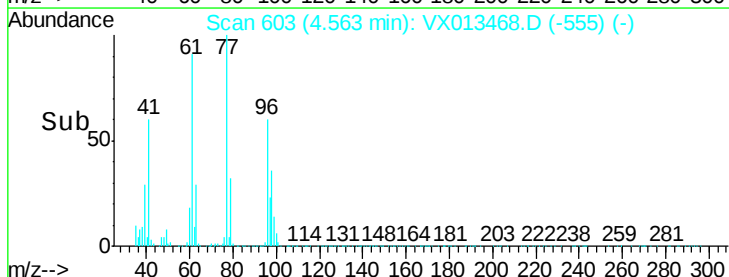
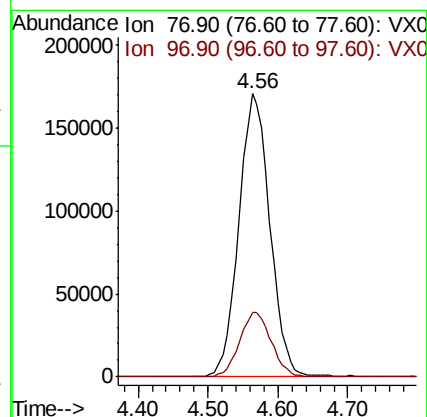
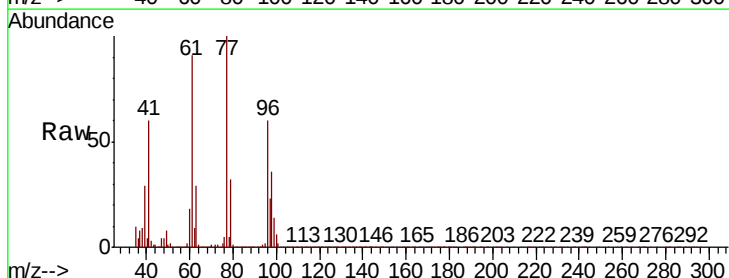
Acq: 20 Nov 2019 09:57

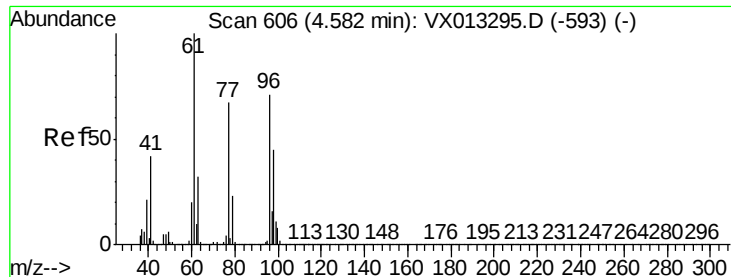
Tgt Ion: 77 Resp: 522004

Ion Ratio Lower Upper

77 100

97 23.1 11.3 33.8





#27

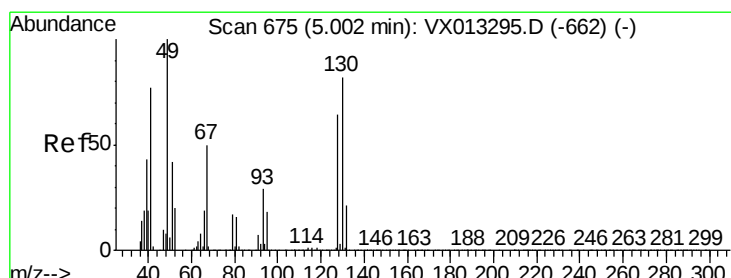
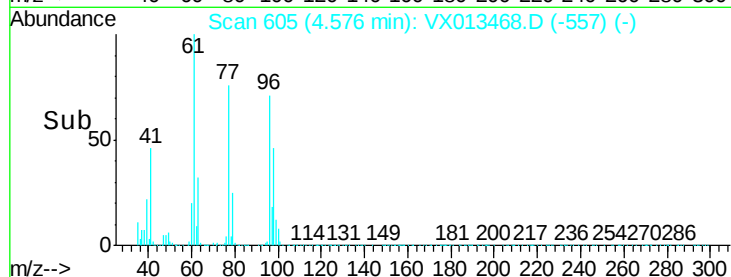
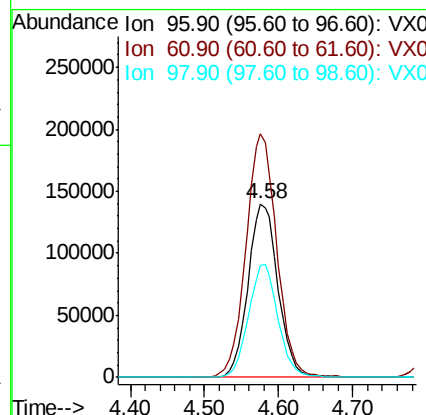
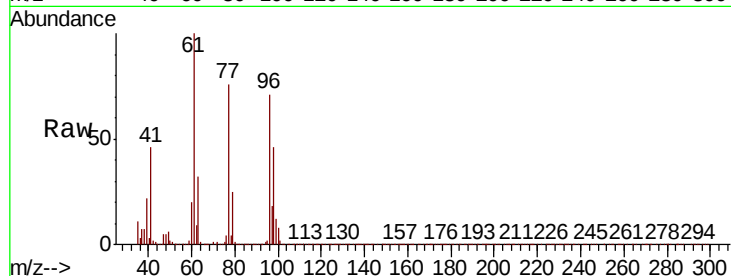
cis-1,2-Dichloroethene
Concen: 53.629 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.7	0.0	288.0	
98	64.1	0.0	129.6	

Manual Integrations
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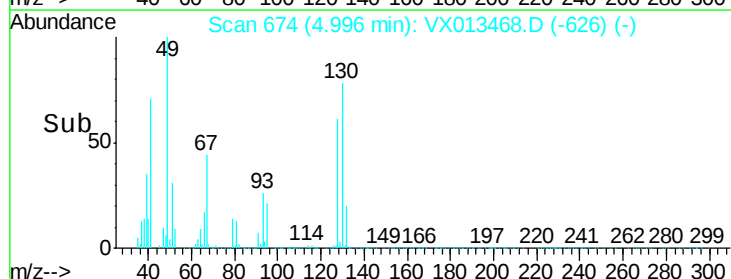
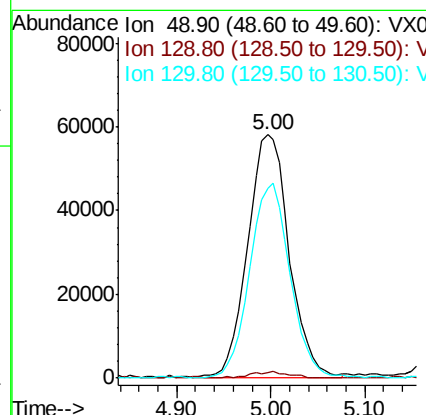
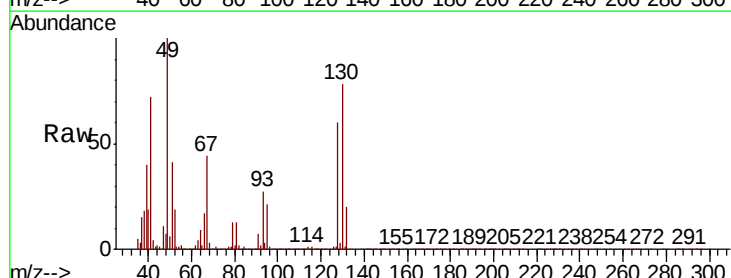
MMDadoda
11/21/2019 9:50:50 AM

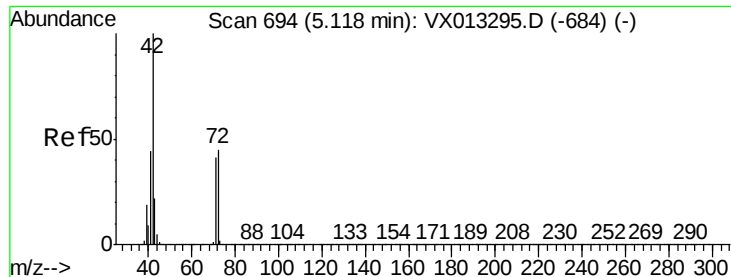


#28

Bromochloromethane
Concen: 53.085 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	5.2	
130	78.1	63.8	95.6	





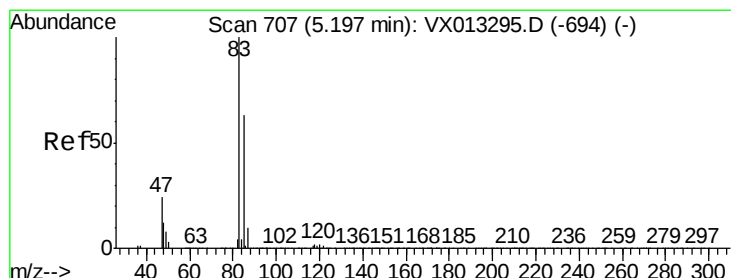
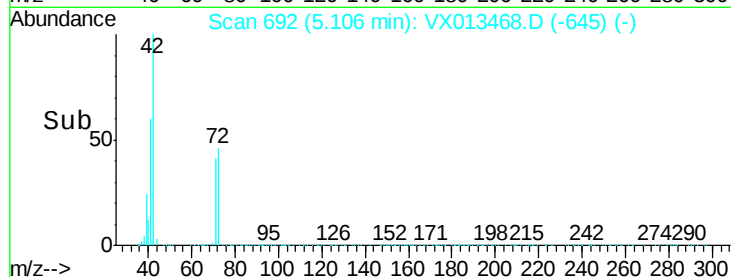
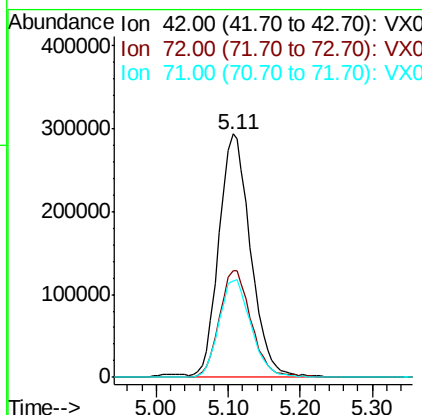
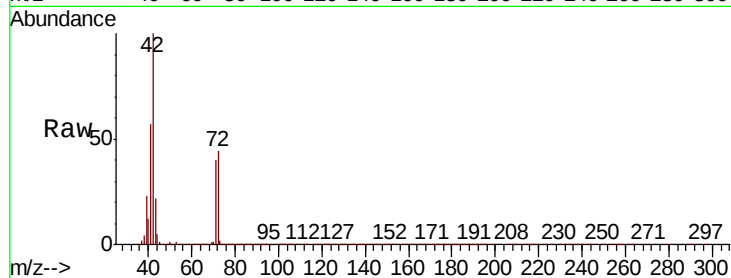
#29
Tetrahydrofuran
Concen: 255.397 ug/l
RT: 5.11 min Scan# 692
Delta R.T. -0.01 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	35.8	53.8
71	40.6	33.4	50.0

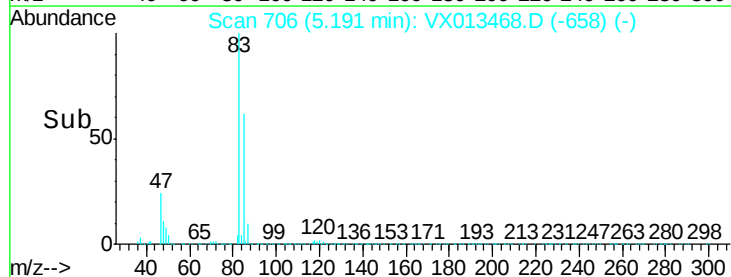
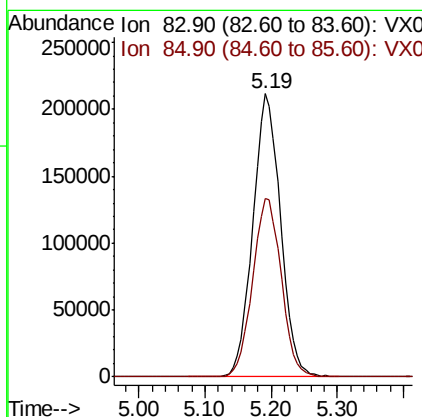
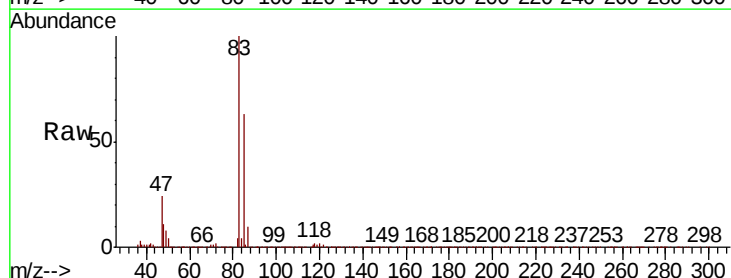
Manual Integrations
APPROVED

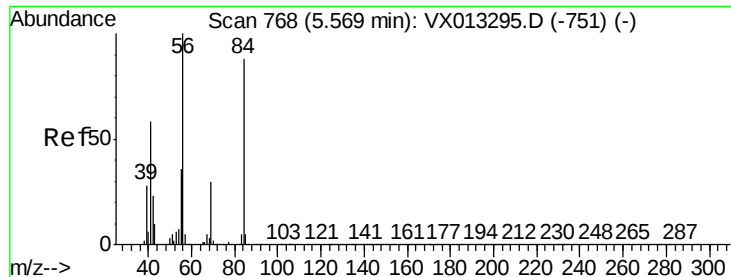
MMDadoda
11/21/2019 9:50:50 AM



#30
Chloroform
Concen: 52.847 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.2	75.4





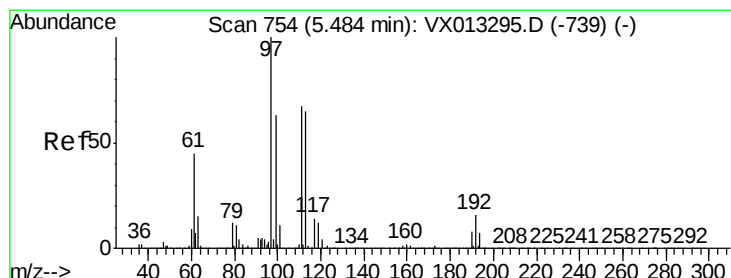
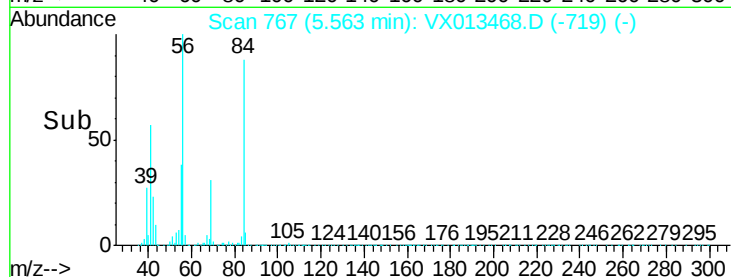
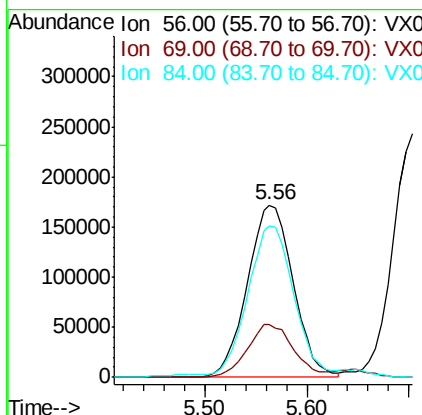
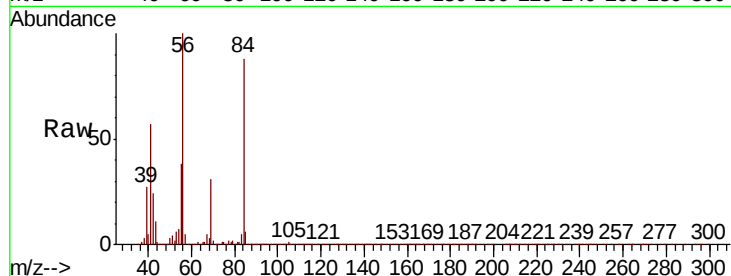
#31
Cyclohexane
Concen: 50.356 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	23.7	35.5
84	86.5	70.6	105.8

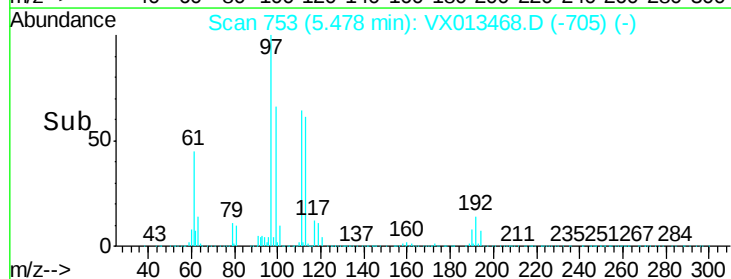
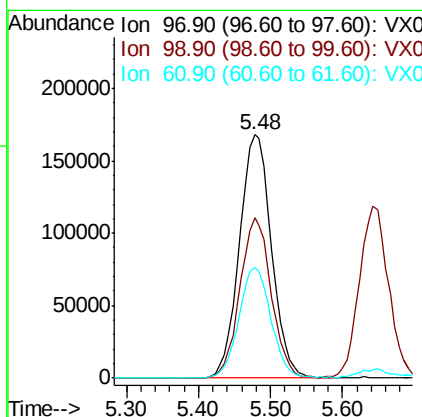
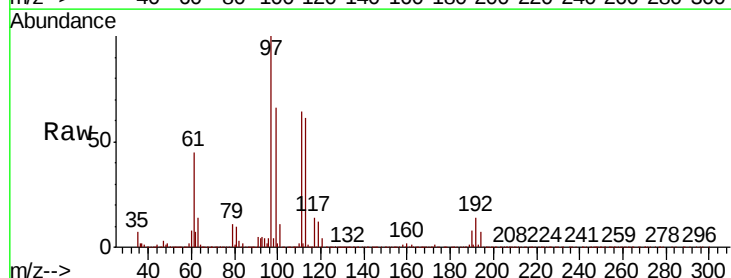
Manual Integrations
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11/21/2019 9:50:50 AM



#32
1,1,1-Trichloroethane
Concen: 51.638 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.1	76.7
61	45.8	36.5	54.7





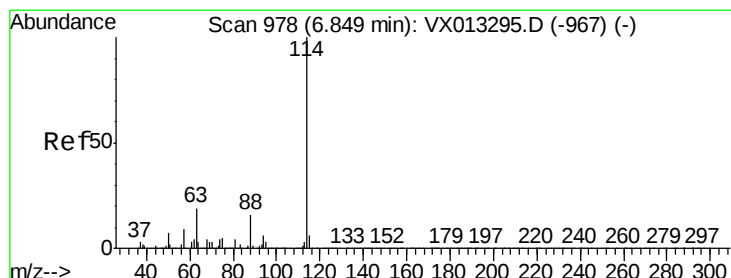
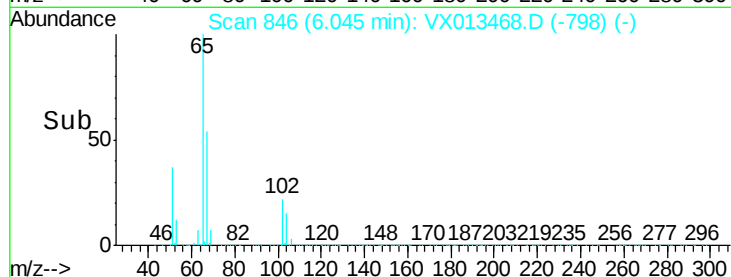
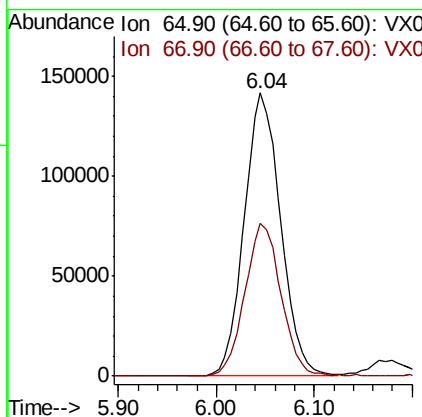
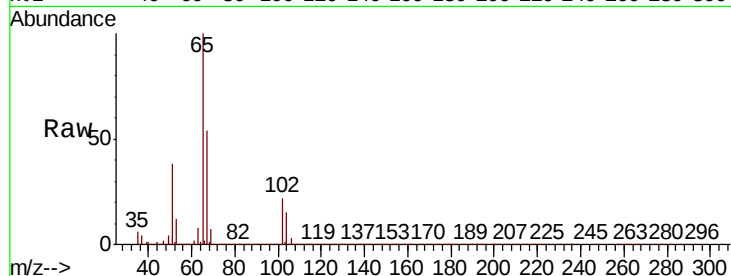
#33
 1,2-Dichloroethane-d4
 Concen: 47.094 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX013468.D
 Acq: 20 Nov 2019 09:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	104.2

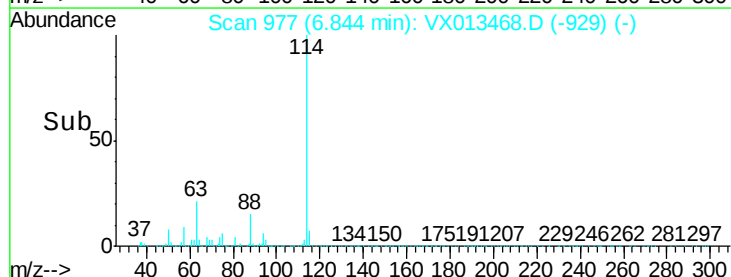
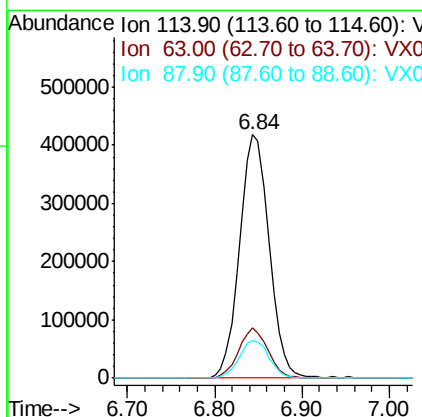
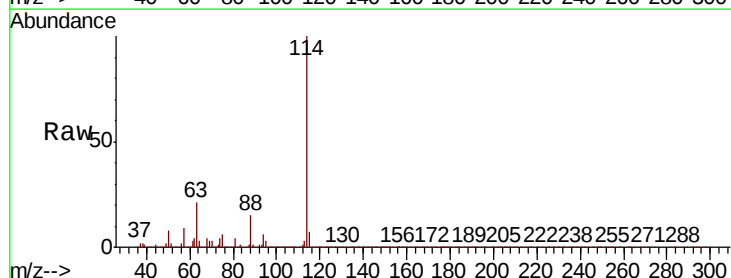
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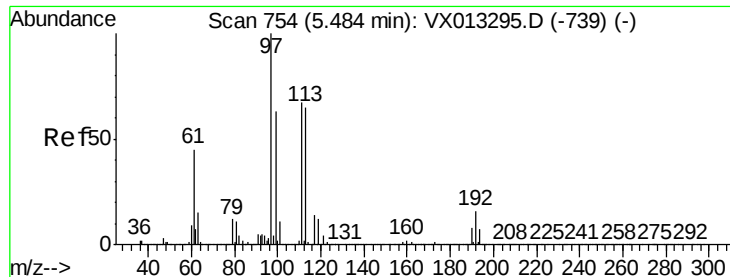
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 11/21/2019 9:50:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX013468.D
 Acq: 20 Nov 2019 09:57

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	38.4
88	15.4	0.0	32.2





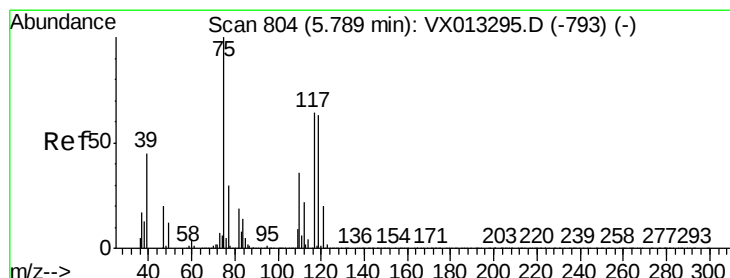
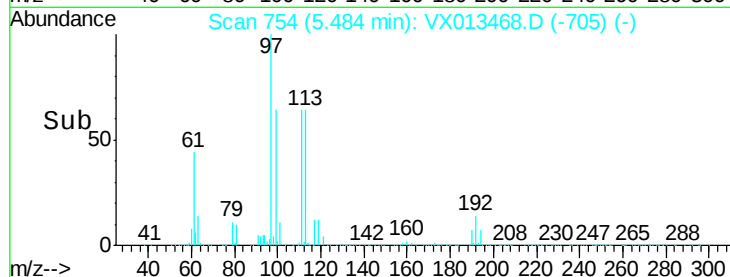
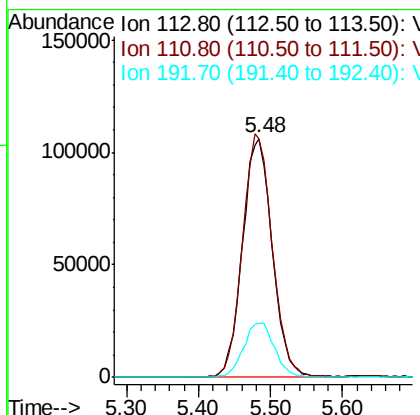
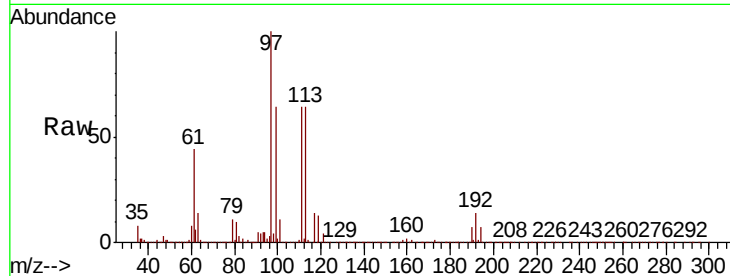
#35
Dibromofluoromethane
Concen: 48.987 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	303431		
111	101.5	81.9	122.9	
192	23.7	19.1	28.7	

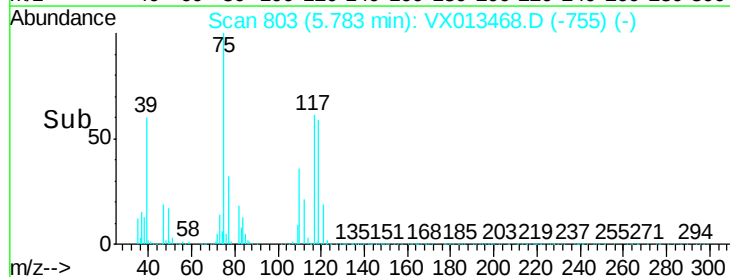
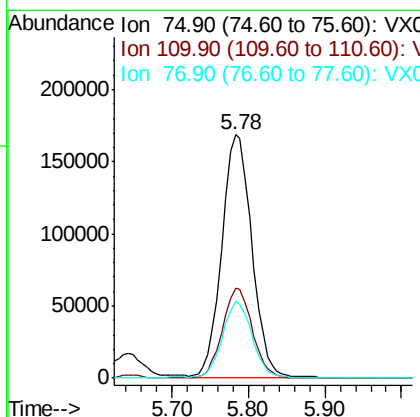
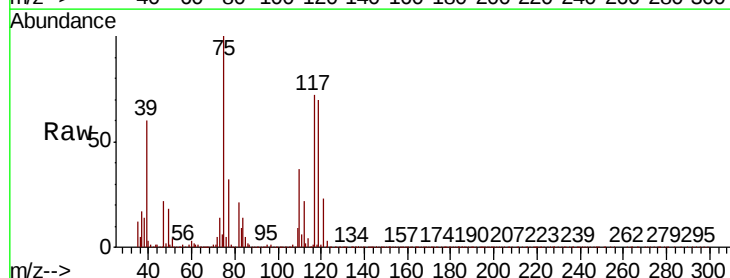
Manual Integrations
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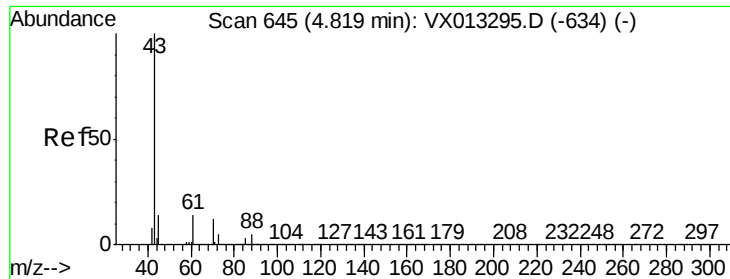
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#36
1,1-Dichloropropene
Concen: 54.092 ug/l
RT: 5.78 min Scan# 803
Delta R.T. -0.01 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	458267		
110	36.6	18.1	54.1	
77	31.0	25.0	37.4	





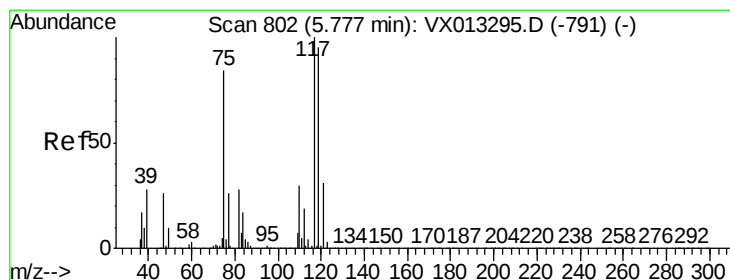
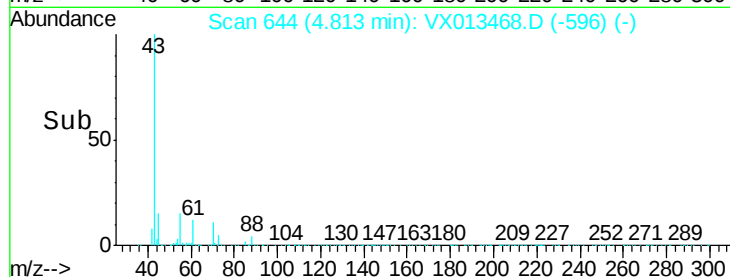
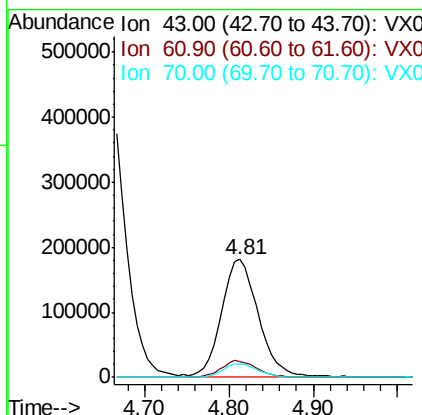
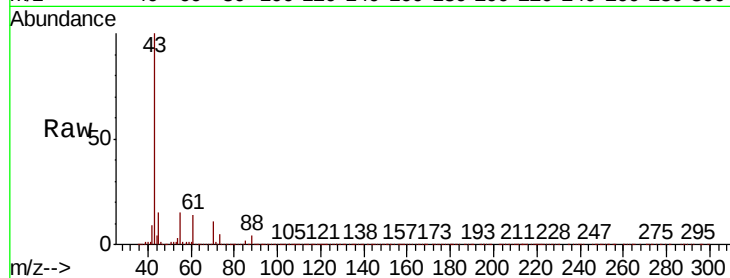
#37
Ethyl Acetate
Concen: 50.694 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.7	16.1
70	10.7	8.7	13.1

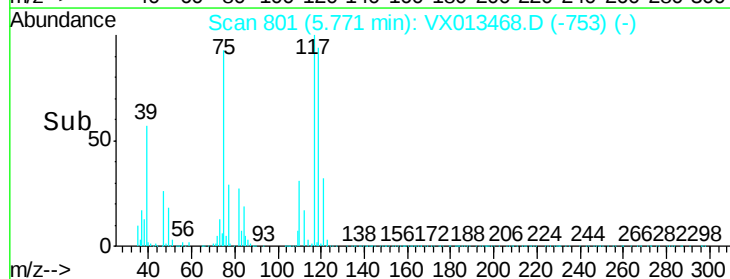
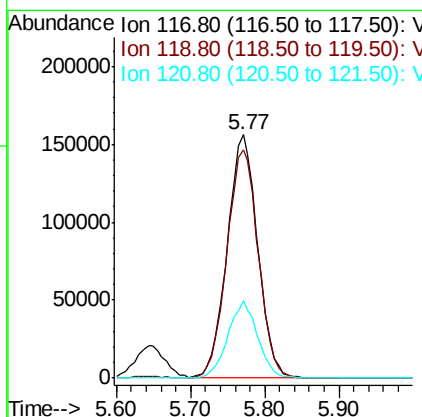
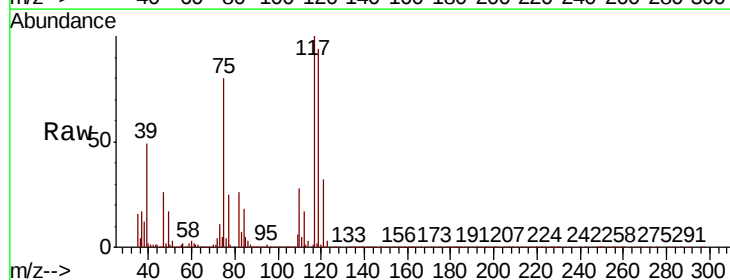
Manual Integrations
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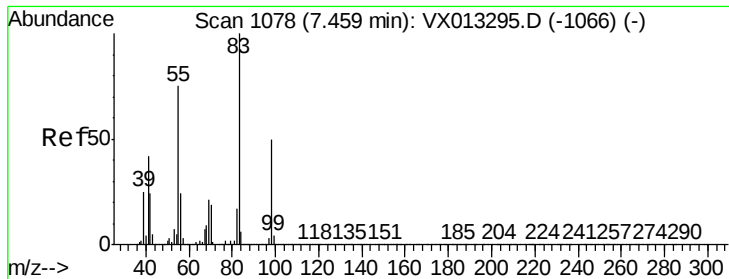
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11/21/2019 9:50:50 AM



#38
Carbon Tetrachloride
Concen: 53.839 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	76.1	114.1
121	31.4	24.6	37.0





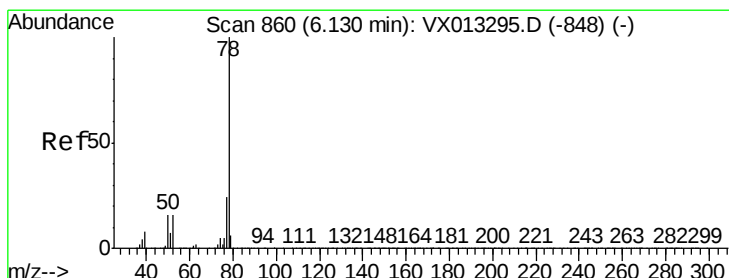
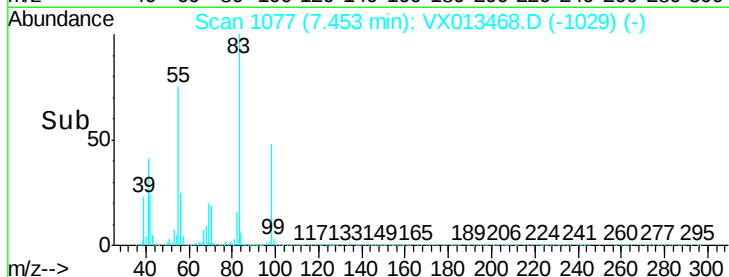
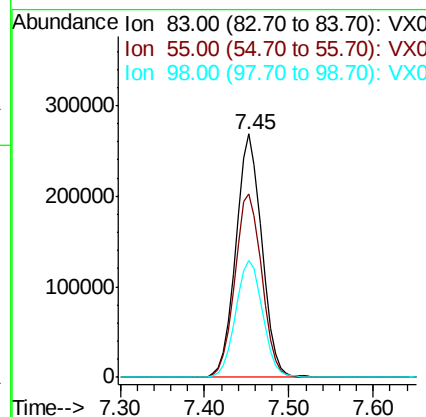
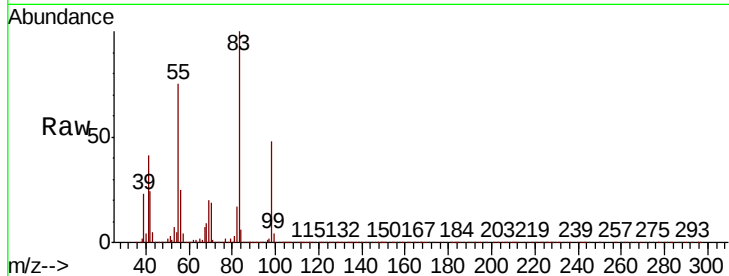
#39
Methvlcvclohexane
Concen: 52.856 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.1	60.3	90.5
98	47.8	40.3	60.5

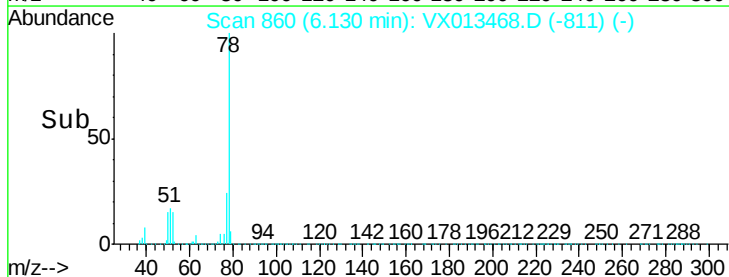
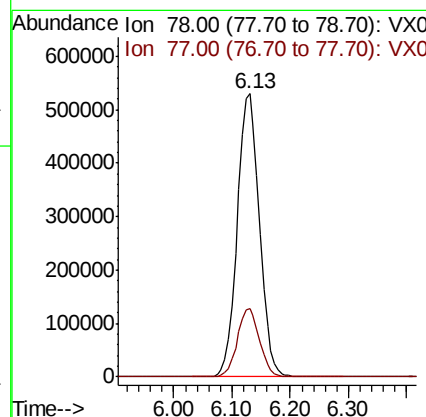
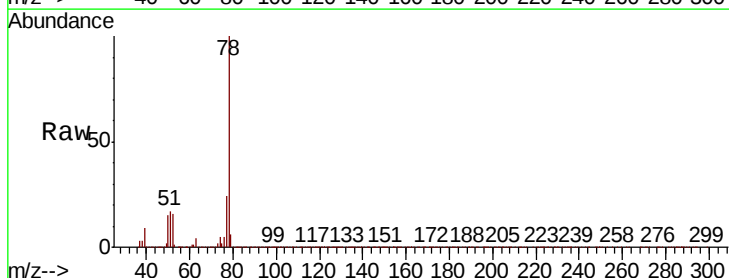
Manual Integrations
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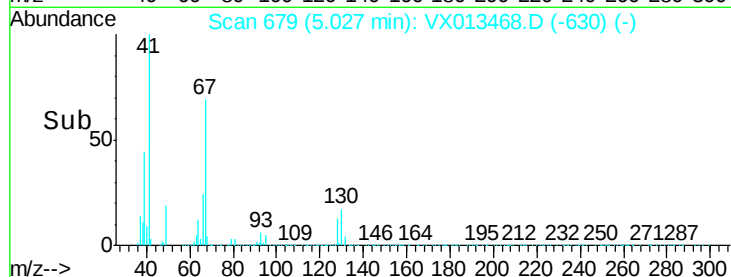
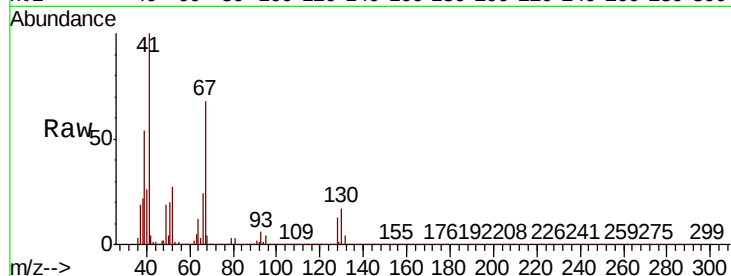
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11/21/2019 9:50:50 AM



#40
Benzene
Concen: 53.168 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.5	29.3





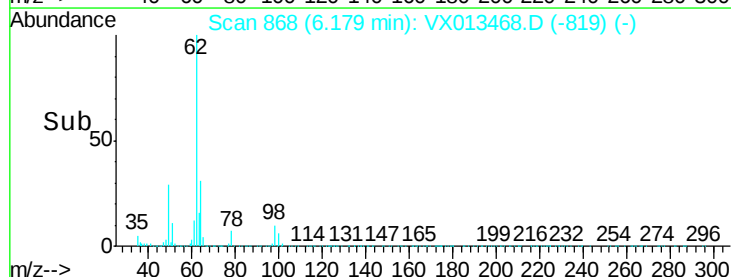
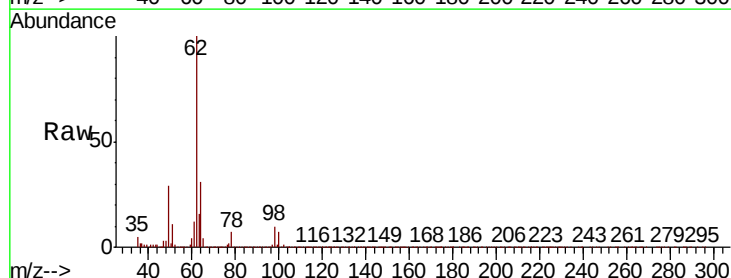
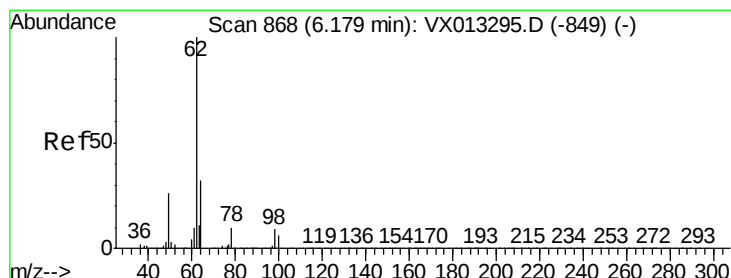
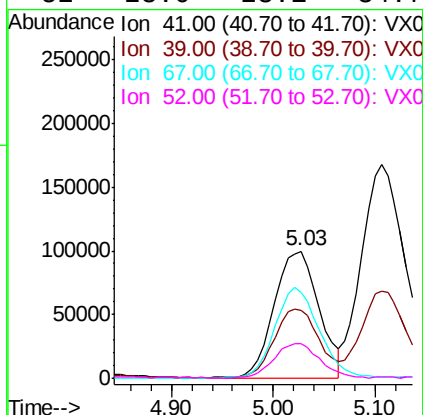
#41
Methacrylonitrile
Concen: 51.708 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		303401		
39	54.4	45.0	67.6		
67	71.3	55.4	83.2		
52	28.0	23.1	34.7		

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

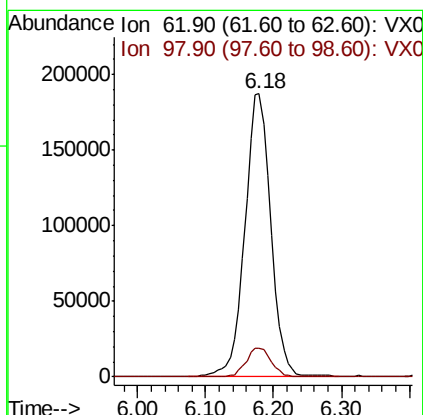
Manual Integrations
APPROVED

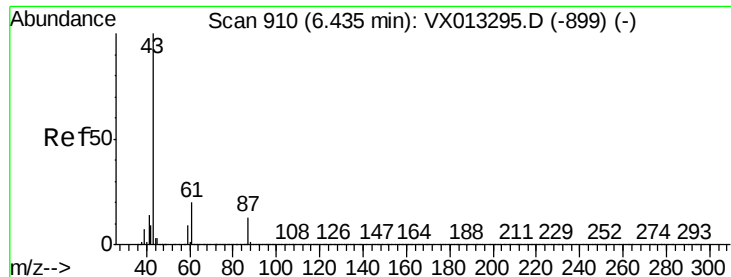
MMDadoda
11/21/2019 9:50:50 AM



#42
1,2-Dichloroethane
Concen: 51.844 ug/l
RT: 6.18 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		493505		
98	9.8	0.0	19.4		





#43

Isopropyl Acetate

Concen: 54.032 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

Instrument :

MSVOA_X

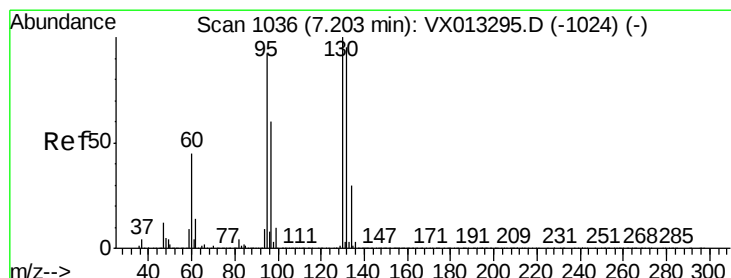
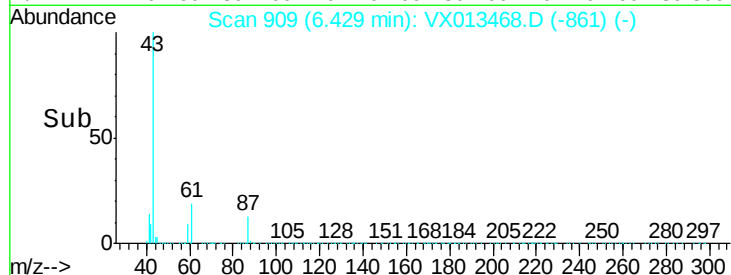
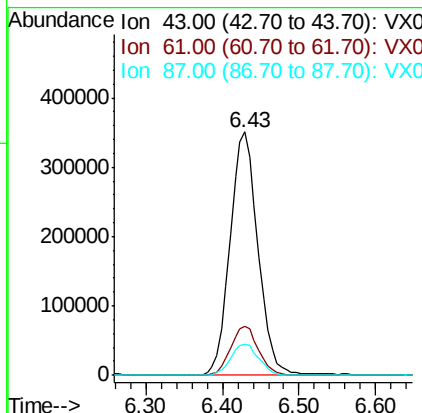
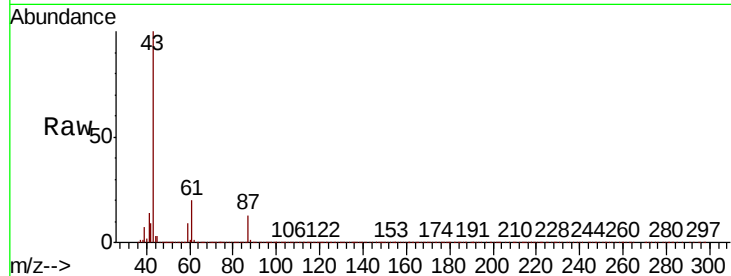
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	880792
Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.8	23.8
87	12.9	10.4	15.6

Manual Integrations
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MMDadoda
11/21/2019 9:50:50 AM



#44

Trichloroethene

Concen: 51.834 ug/l

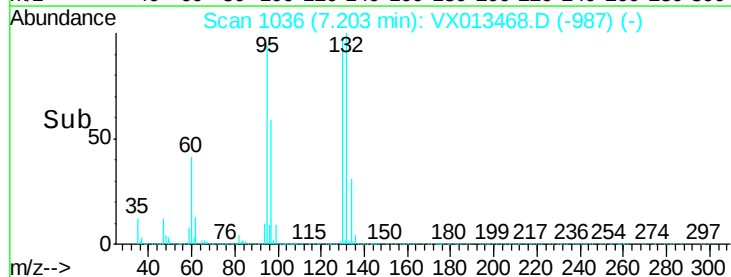
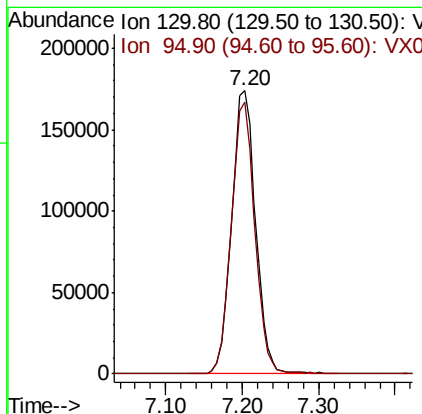
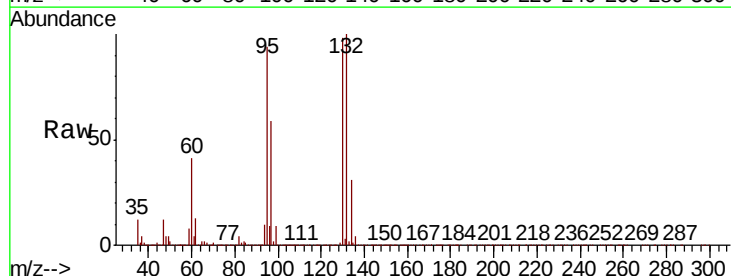
RT: 7.20 min Scan# 1036

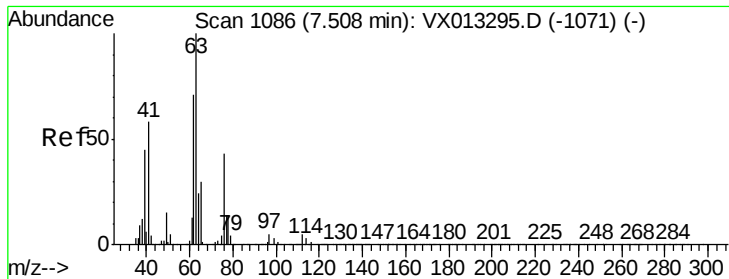
Delta R.T. 0.00 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

Tgt Ion:	130	Resp:	376533
Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	184.8





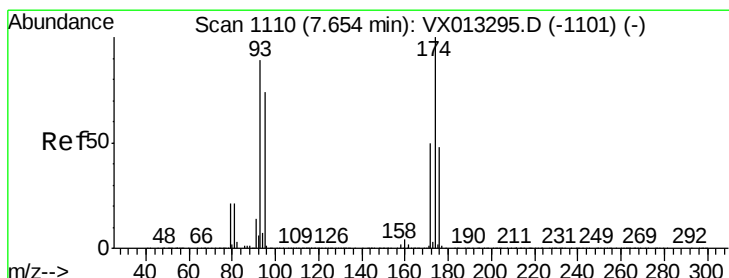
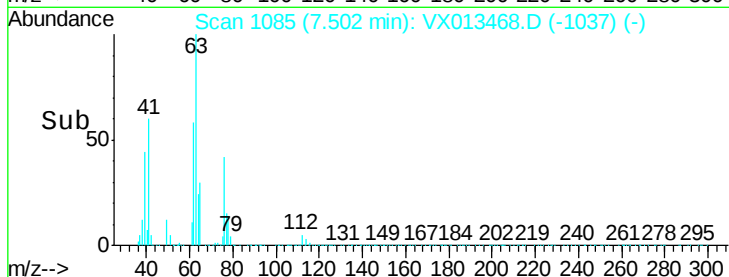
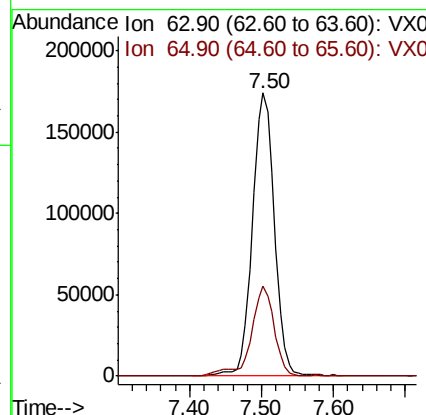
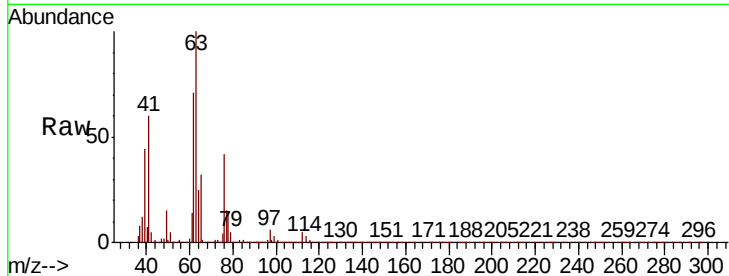
#45
 1,2-Dichloropropane
 Concen: 54.784 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX013468.D
 Acq: 20 Nov 2019 09:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.3	36.5

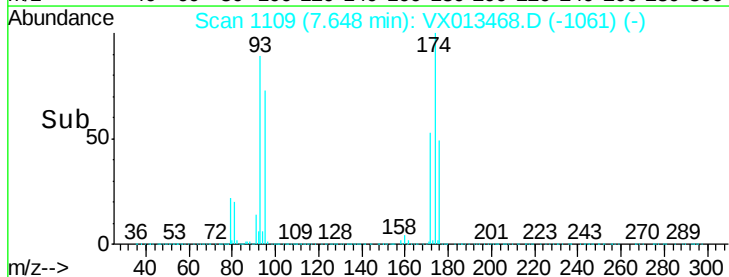
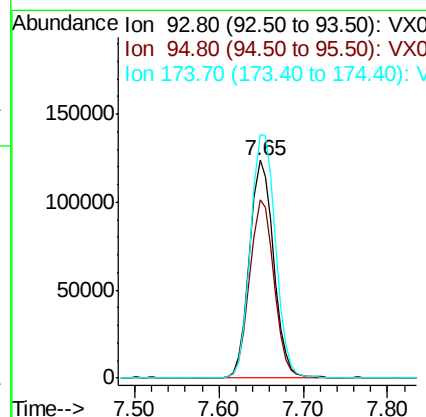
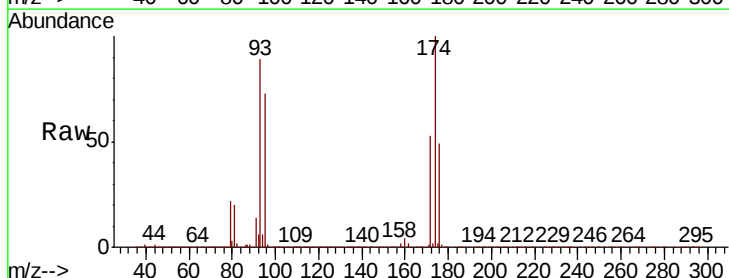
Manual Integrations
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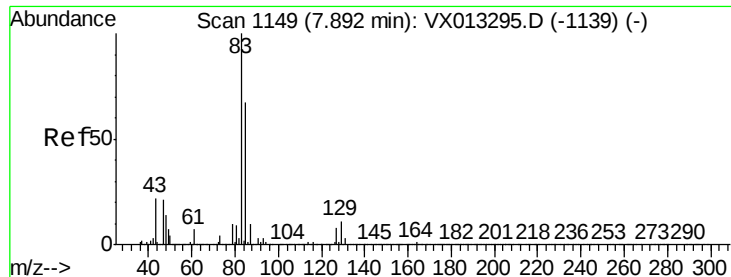
MMDadoda
 11/21/2019 9:50:50 AM



#46
 Dibromomethane
 Concen: 51.920 ug/l
 RT: 7.65 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: VX013468.D
 Acq: 20 Nov 2019 09:57

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	65.8	98.6
174	116.1	90.4	135.6





#47

Bromodichloromethane

Concen: 56.574 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

Instrument :

MSVOA_X

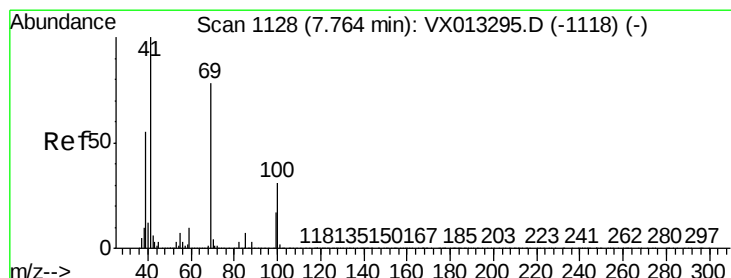
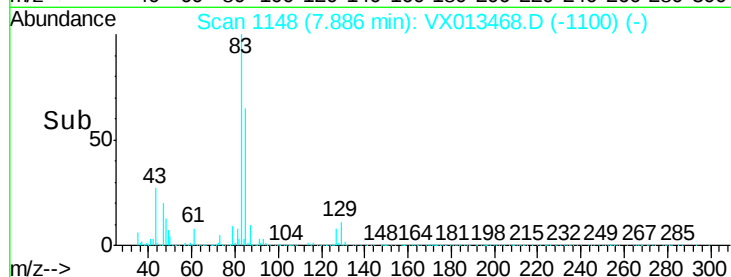
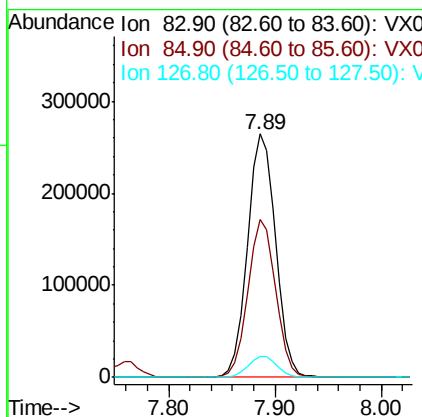
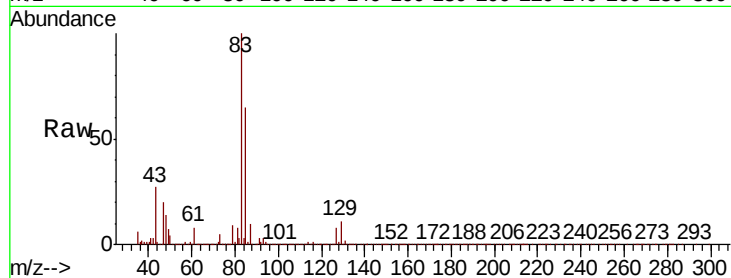
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	489774
Ion Ratio	Lower	Upper	
83	100		
85	64.7	53.7	80.5
127	8.5	6.4	9.6

Manual Integrations
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MMDadoda
11/21/2019 9:50:50 AM



#48

Methyl methacrylate

Concen: 54.207 ug/l

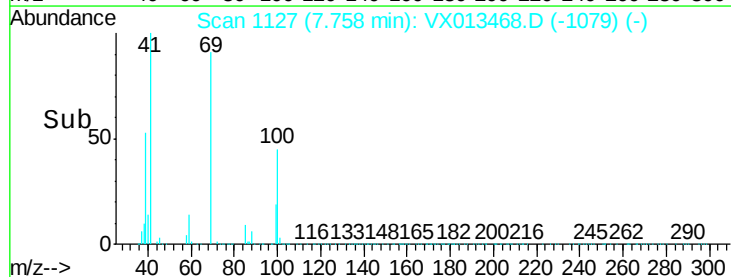
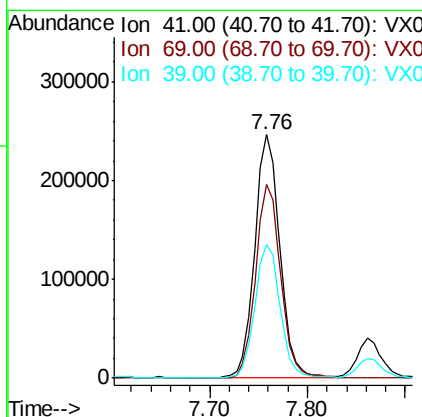
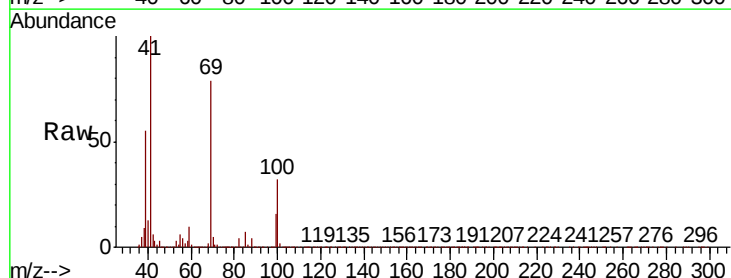
RT: 7.76 min Scan# 1127

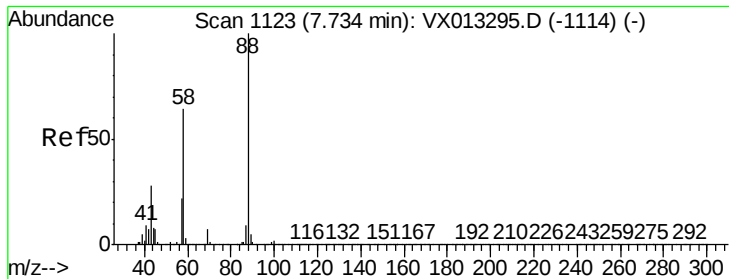
Delta R.T. -0.01 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

Tgt Ion:	41	Resp:	441096
Ion Ratio	Lower	Upper	
41	100		
69	79.8	63.0	94.6
39	55.2	45.9	68.9





#49

1,4-Dioxane

Concen: 841.877 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

Instrument :

MSVOA_X

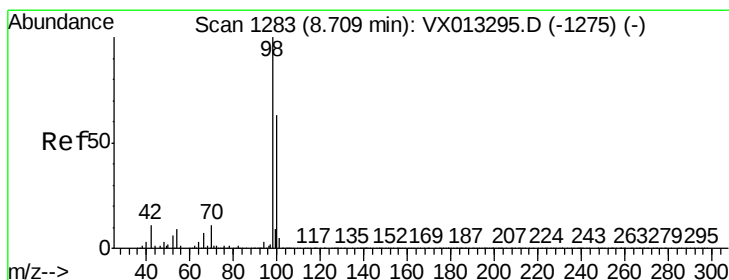
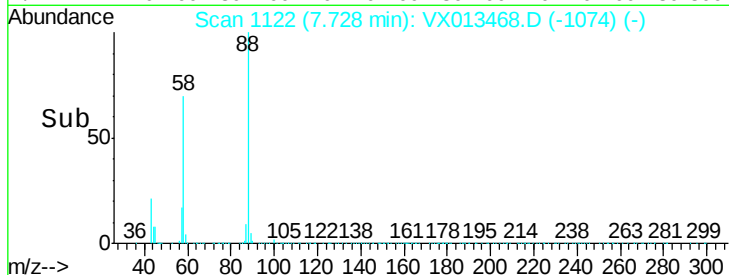
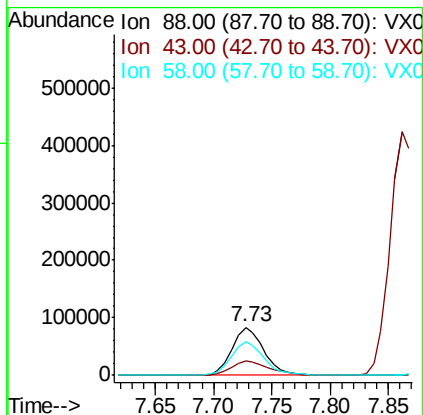
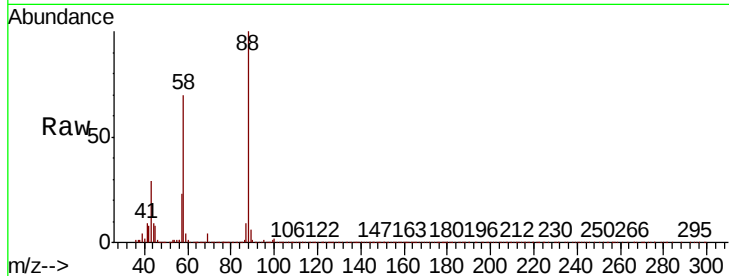
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	156886
Ion	Ratio	Lower	Upper
88	100		
43	35.5	26.6	39.8
58	74.3	55.0	82.6

Manual Integrations
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#50

Toluene-d8

Concen: 49.704 ug/l

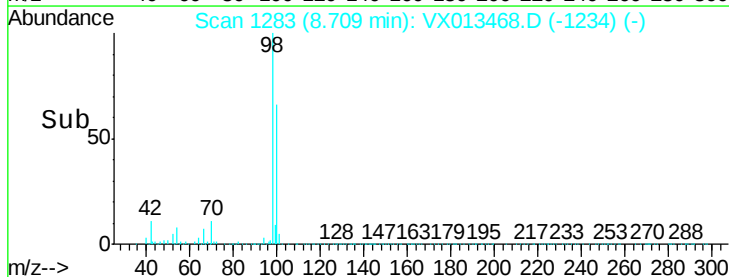
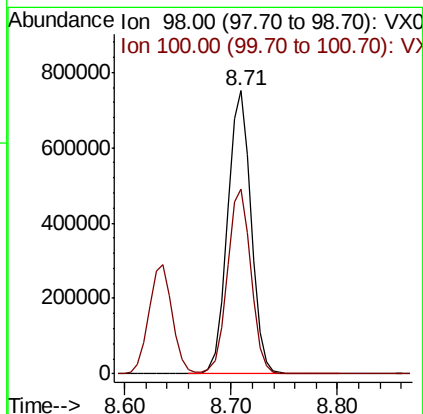
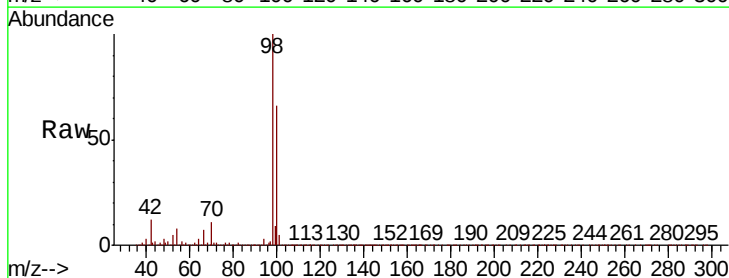
RT: 8.71 min Scan# 1283

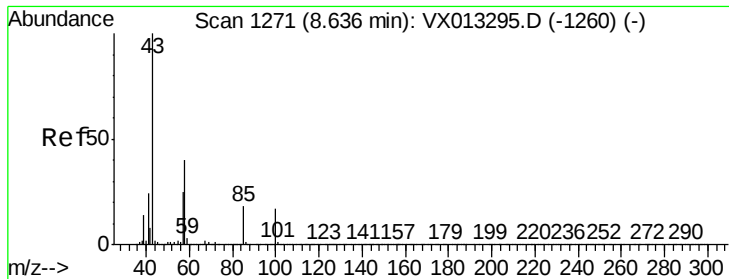
Delta R.T. 0.00 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

Tgt Ion:	98	Resp:	1160644
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 259.617 ug/l

RT: 8.63 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2776639

Ion Ratio Lower Upper

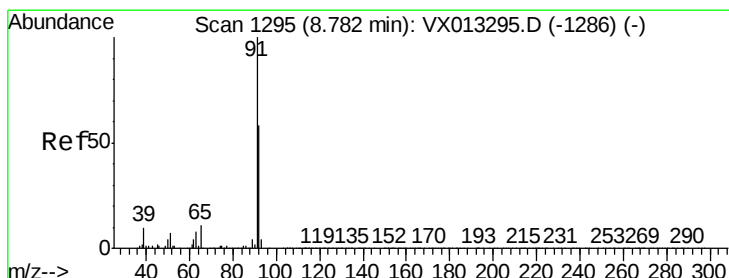
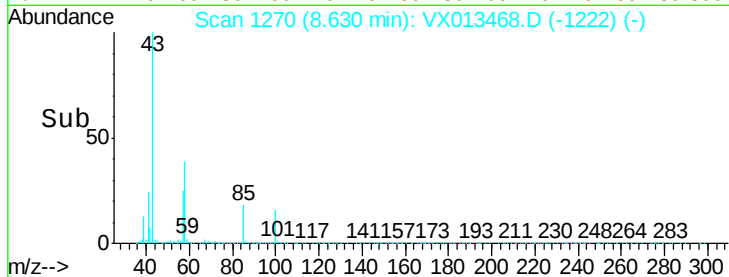
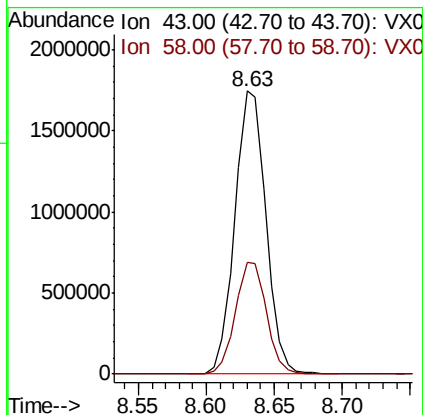
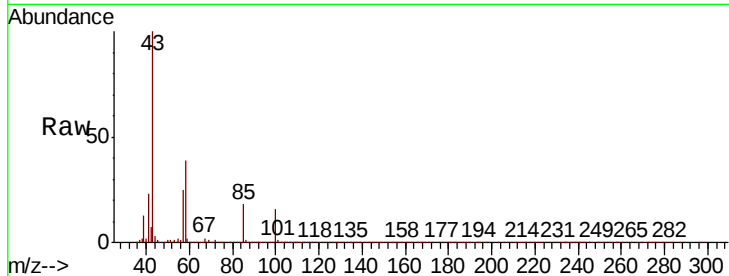
43 100

58 39.4 31.4 47.0

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#52

Toluene

Concen: 53.671 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013468.D

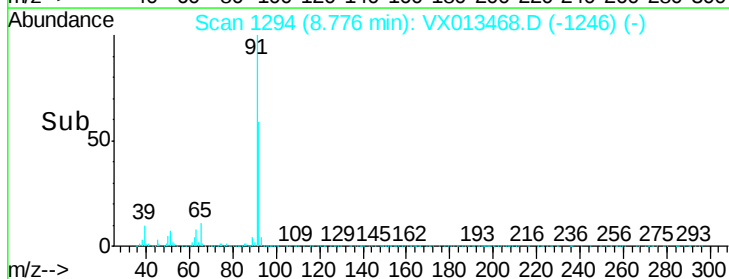
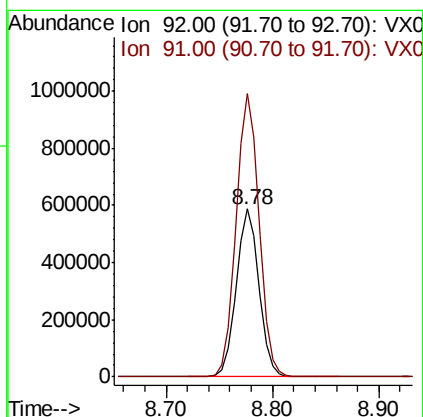
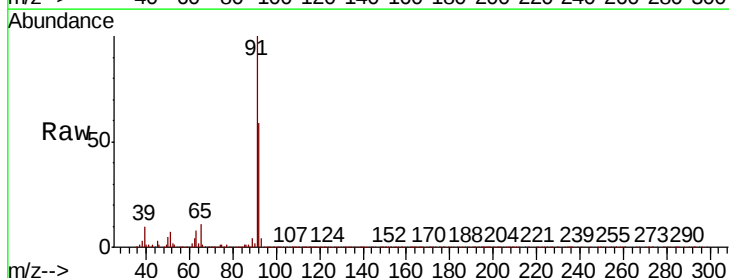
Acq: 20 Nov 2019 09:57

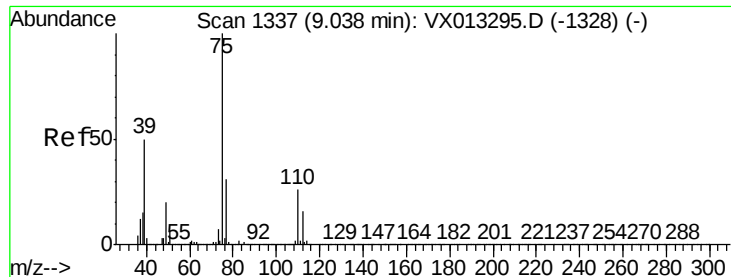
Tgt Ion: 92 Resp: 877868

Ion Ratio Lower Upper

92 100

91 171.6 138.0 207.0





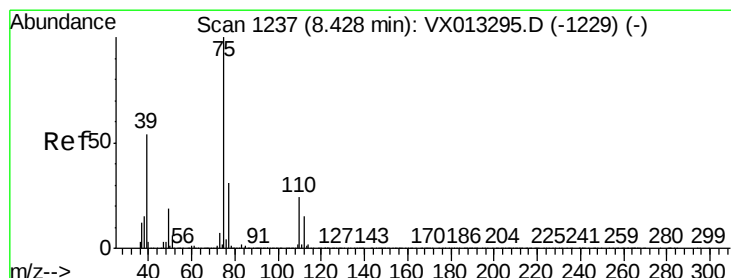
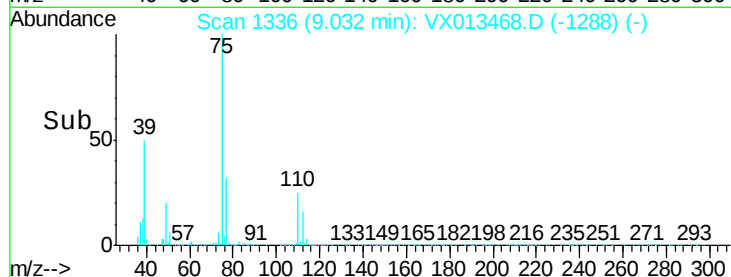
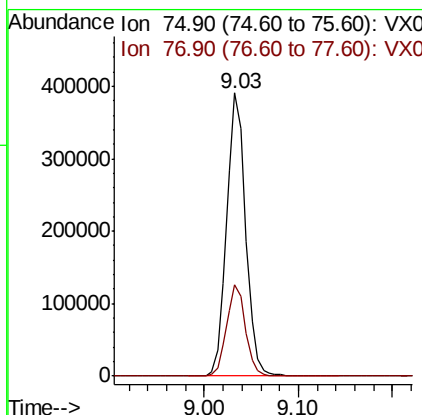
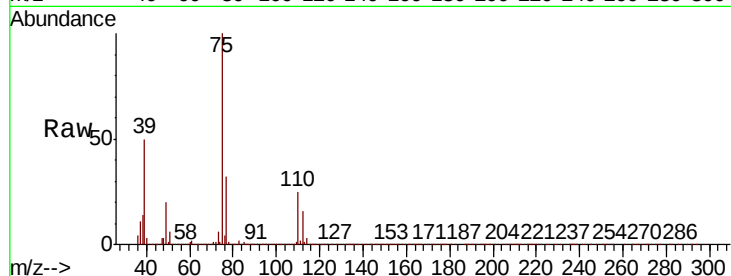
#53
t-1,3-Dichloropropene
Concen: 57.445 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.0	37.4

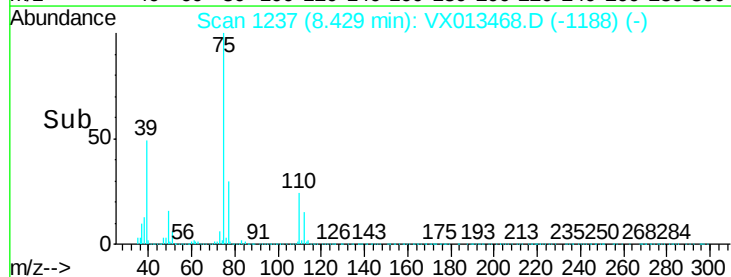
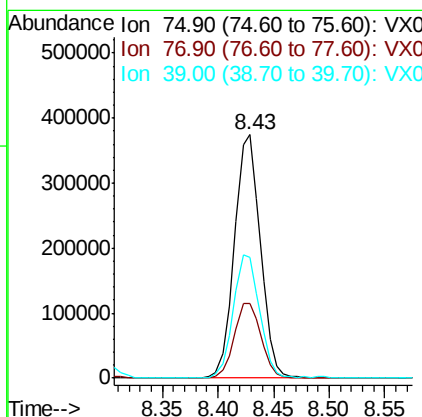
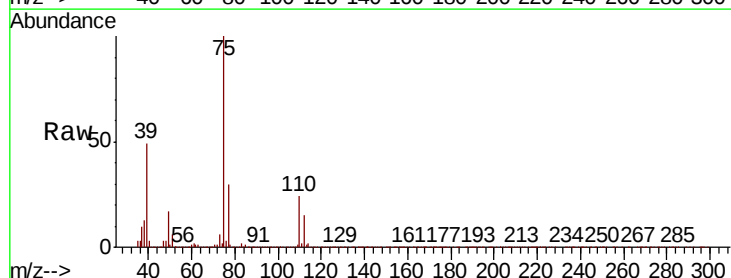
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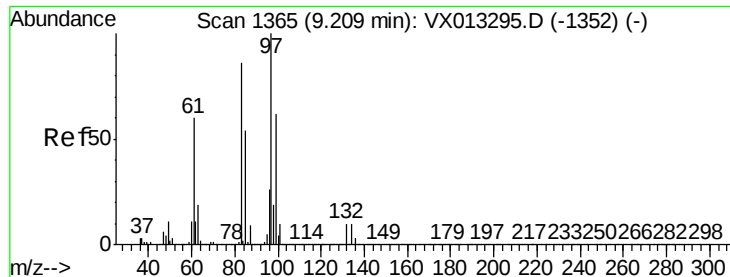
MMDadoda
11/21/2019 9:50:50 AM



#54
cis-1,3-Dichloropropene
Concen: 56.879 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.7	37.1
39	49.2	43.0	64.6





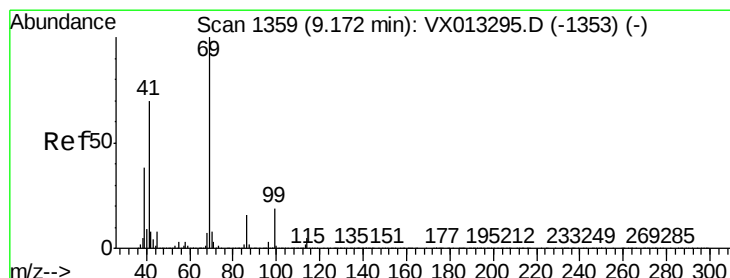
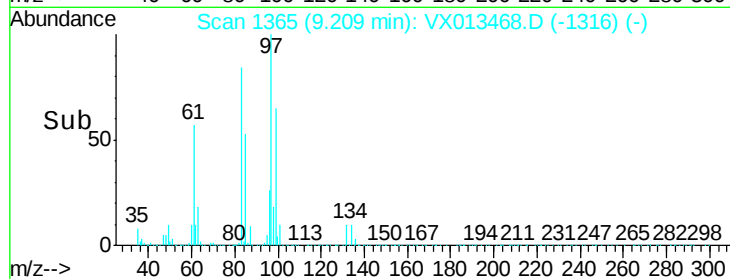
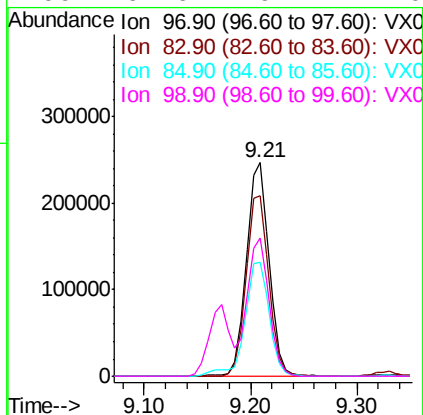
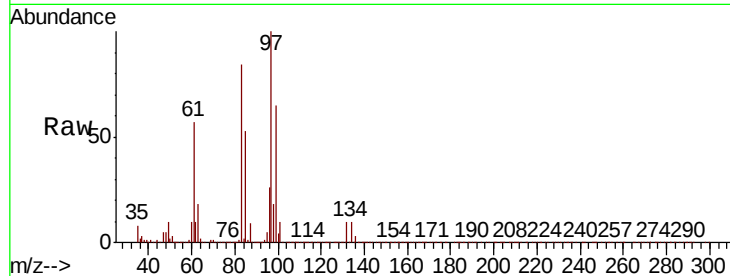
#55
 1,1,2-Trichloroethane
 Concen: 54.266 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013468.D
 Acq: 20 Nov 2019 09:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	367901
Ion	Ratio	Lower	Upper
97	100		
83	84.2	68.6	103.0
85	53.2	43.1	64.7
99	64.6	49.4	74.0

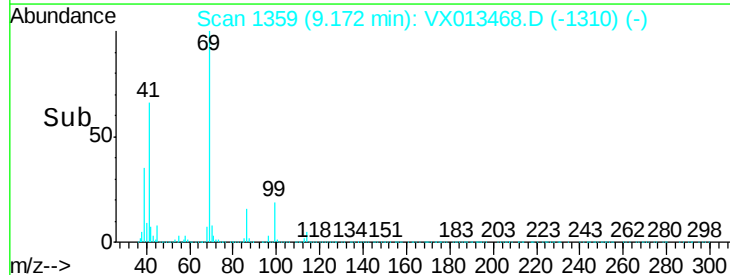
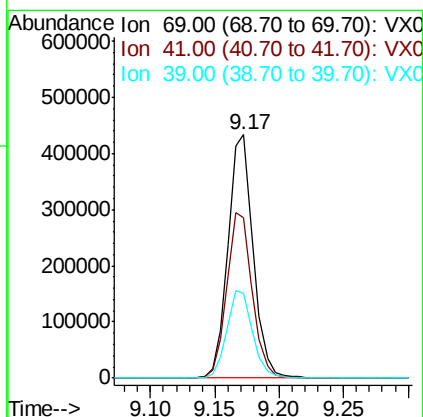
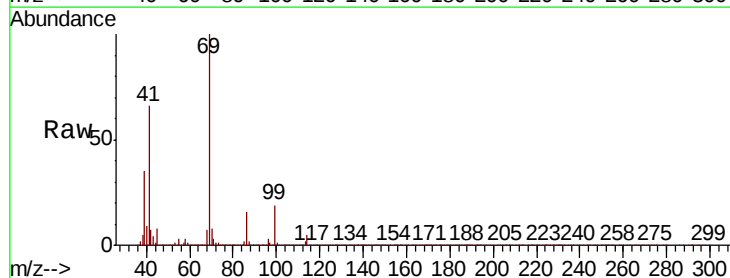
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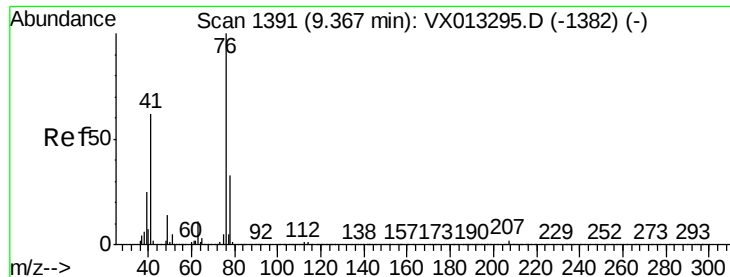
MMDadoda
 11/21/2019 9:50:50 AM



#56
 Ethyl methacrylate
 Concen: 51.332 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013468.D
 Acq: 20 Nov 2019 09:57

Tgt Ion:	69	Resp:	594622
Ion	Ratio	Lower	Upper
69	100		
41	68.8	56.2	84.2
39	36.3	31.1	46.7





#57

1,3-Dichloropropane

Concen: 53.898 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 620286

Ion Ratio Lower Upper

76 100

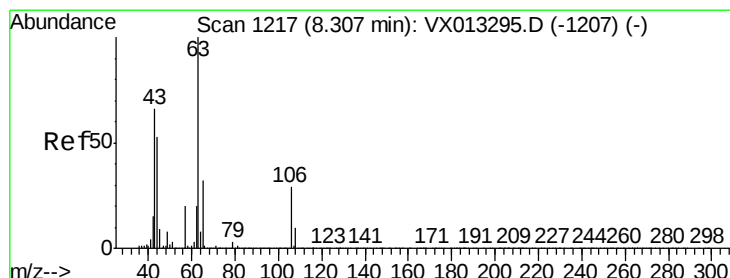
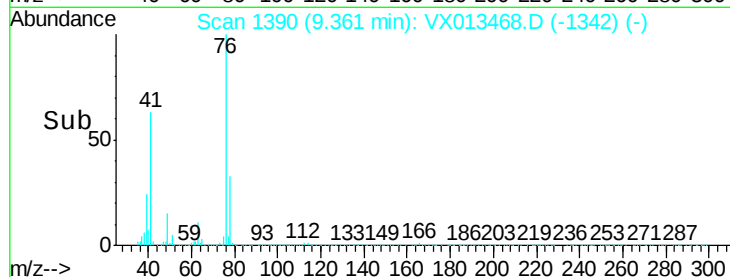
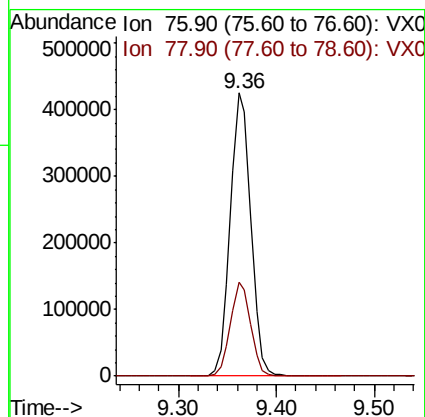
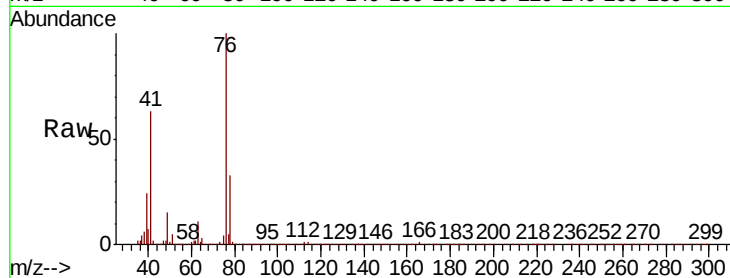
78 32.8 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

11/21/2019 9:50:50 AM



#58

2-Chloroethyl Vinyl ether

Concen: 284.927 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX013468.D

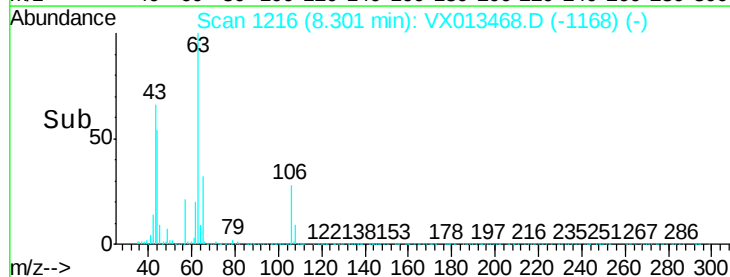
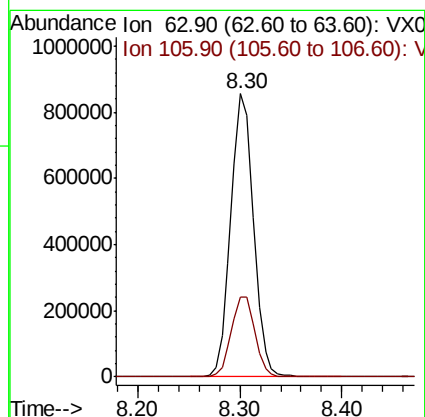
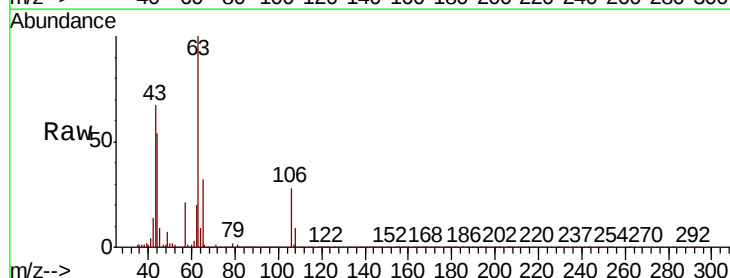
Acq: 20 Nov 2019 09:57

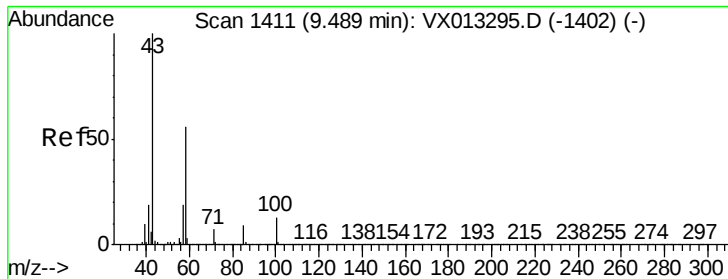
Tgt Ion: 63 Resp: 1320782

Ion Ratio Lower Upper

63 100

106 29.4 23.4 35.2





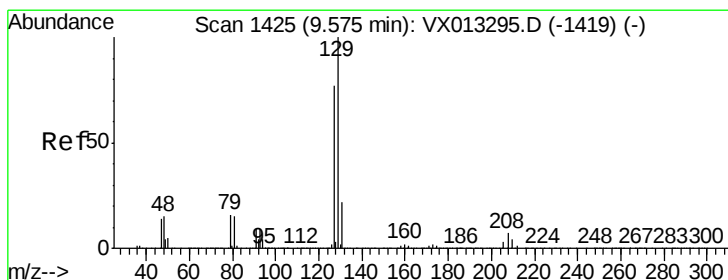
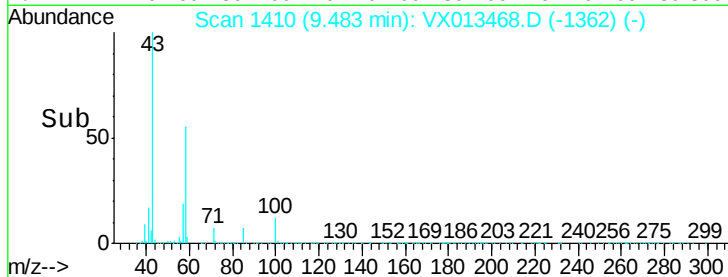
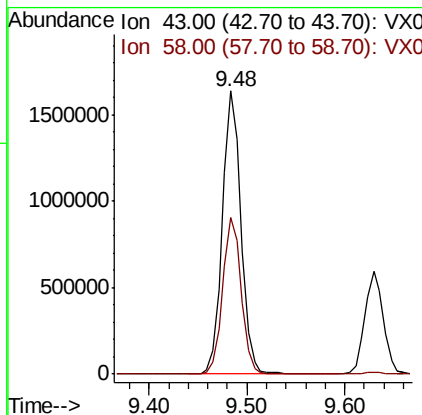
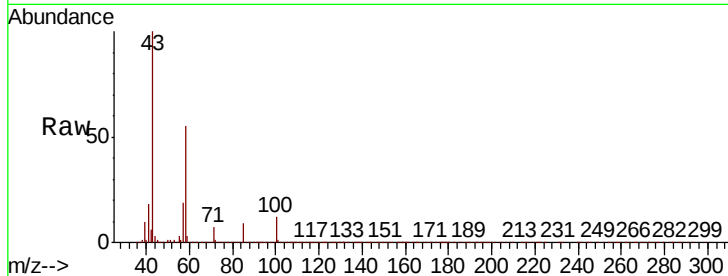
#59
2-Hexanone
Concen: 261.046 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2157532
Ion Ratio Lower Upper
43 100
58 55.2 27.3 81.8

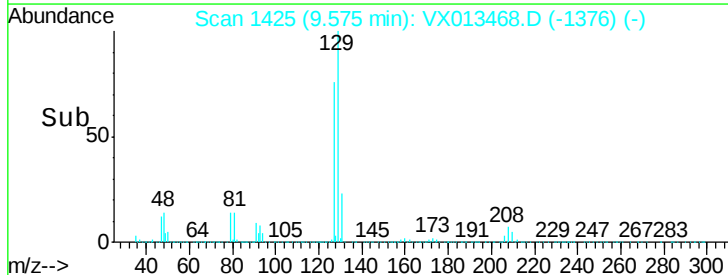
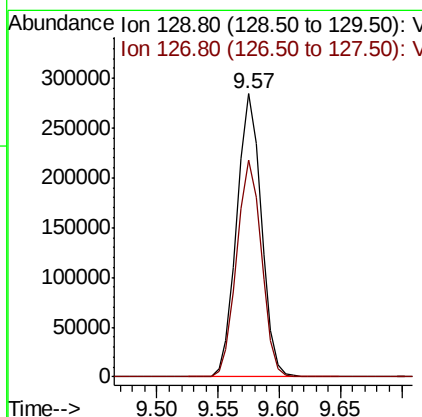
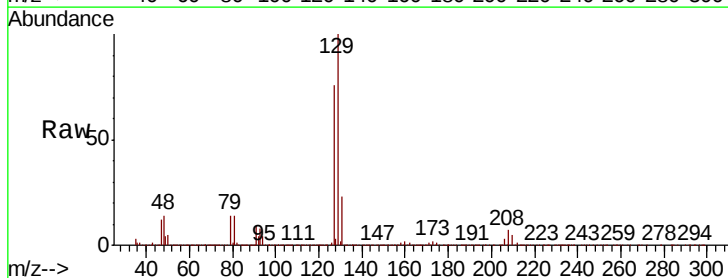
Manual Integrations
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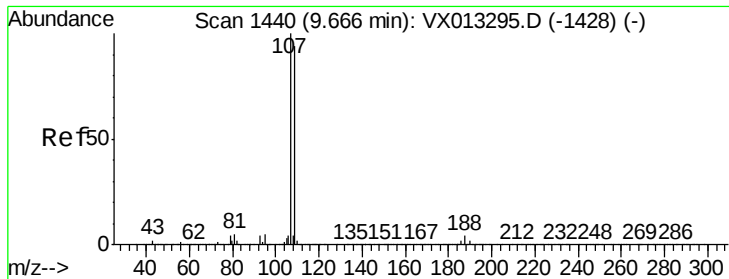
MMDadoda
11/21/2019 9:50:50 AM



#60
Dibromochloromethane
Concen: 57.000 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Tgt Ion: 129 Resp: 395218
Ion Ratio Lower Upper
129 100
127 77.2 39.1 117.2





#61

1,2-Dibromoethane

Concen: 52.899 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 380821

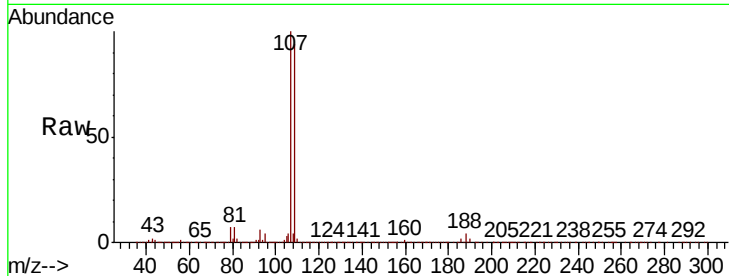
Ion Ratio Lower Upper

107 100

109 95.0 75.1 112.7

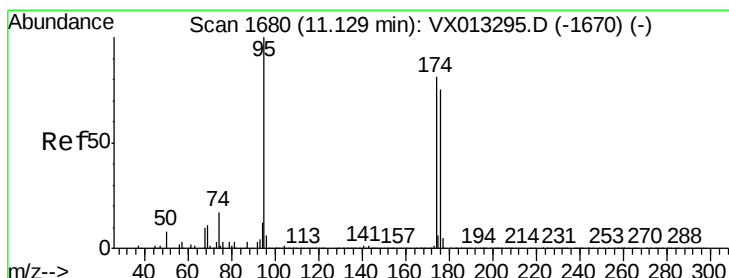
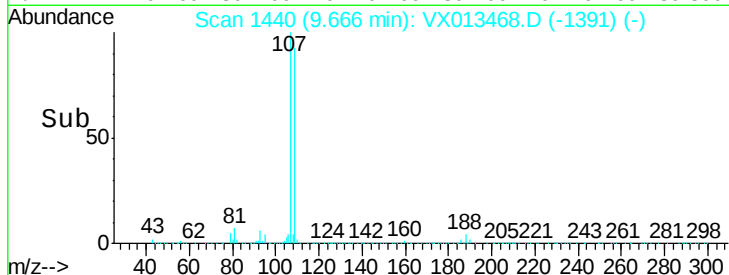
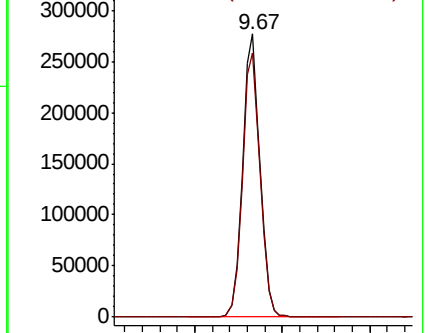
Manual Integrations
APPROVED

MMDadoda
11/21/2019 9:50:50 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.399 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

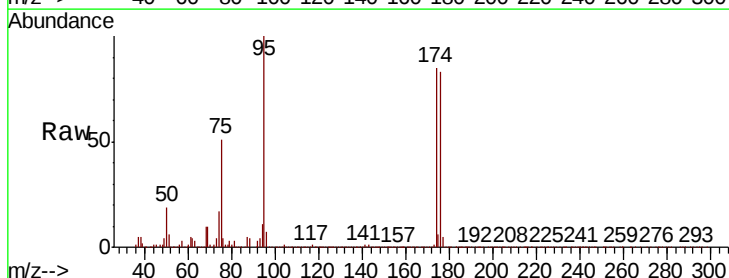
Tgt Ion: 95 Resp: 416309

Ion Ratio Lower Upper

95 100

174 88.7 0.0 179.8

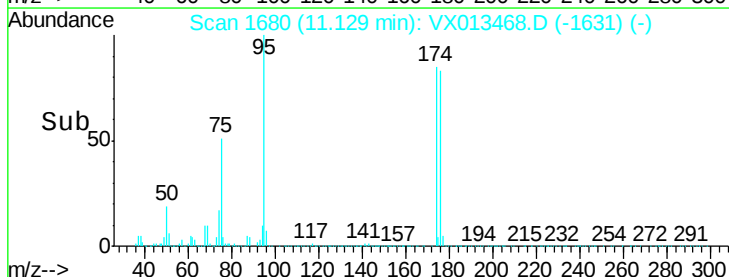
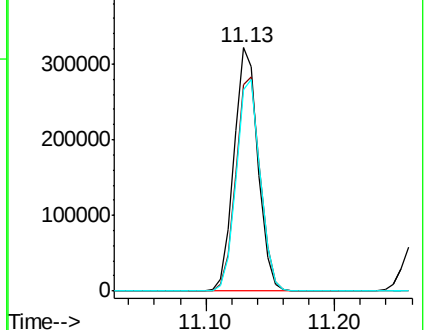
176 87.2 0.0 173.0

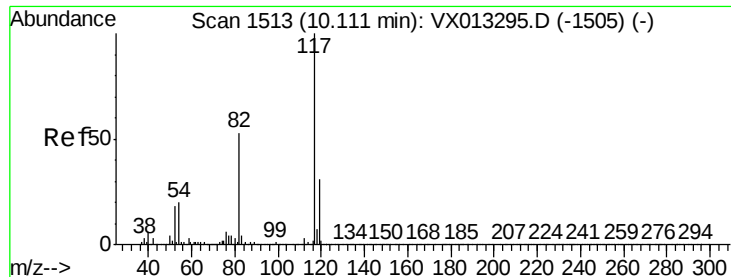


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





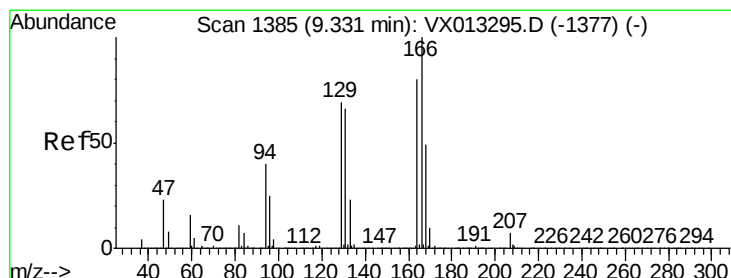
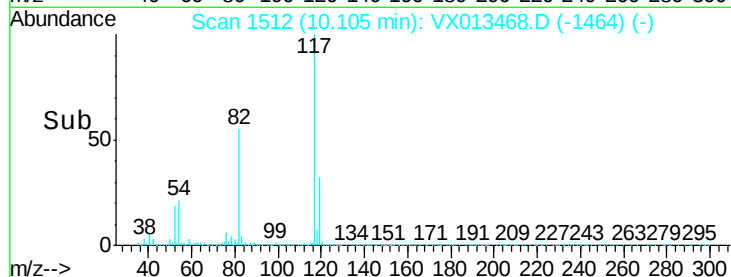
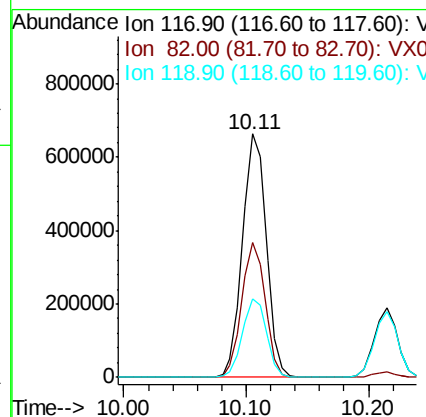
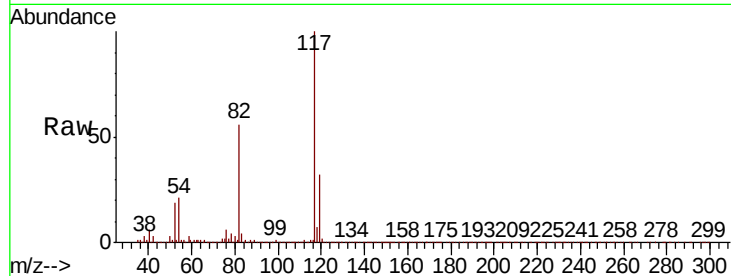
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	892835		
82	55.5	42.6	64.0	
119	32.0	24.8	37.2	

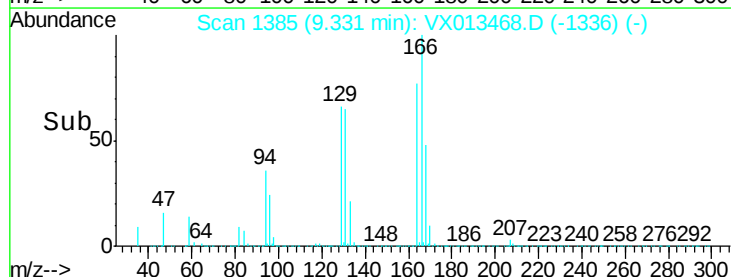
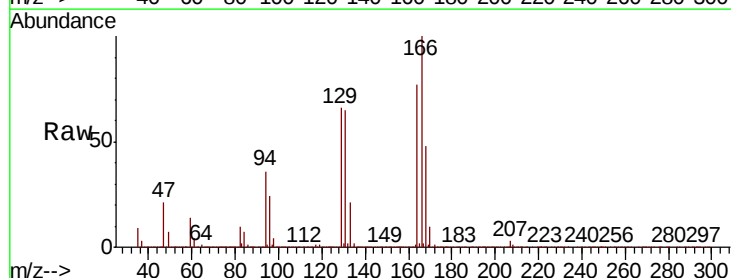
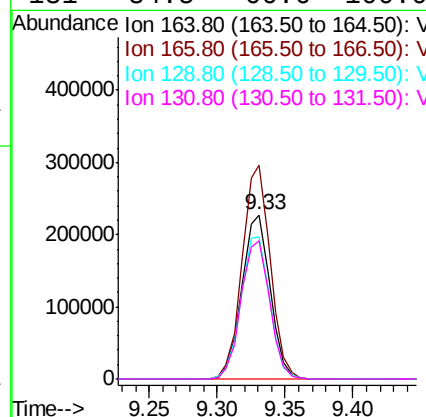
Manual Integrations
APPROVED

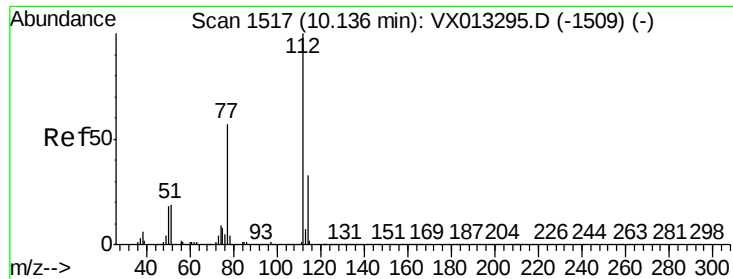
MMDadoda
11/21/2019 9:50:50 AM



#64
Tetrachloroethene
Concen: 51.538 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	329405		
166	130.0	100.4	150.6	
129	86.4	69.4	104.2	
131	84.5	66.6	100.0	





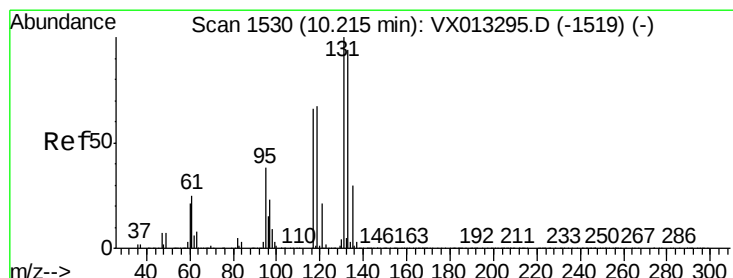
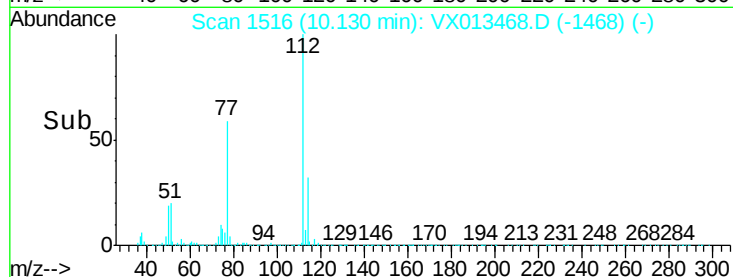
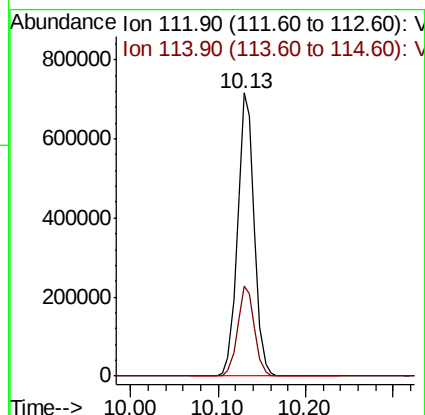
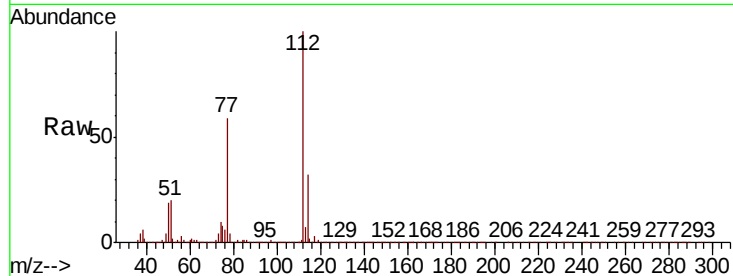
#65
Chlorobenzene
Concen: 53.019 ug/l
RT: 10.13 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	26.4	39.6

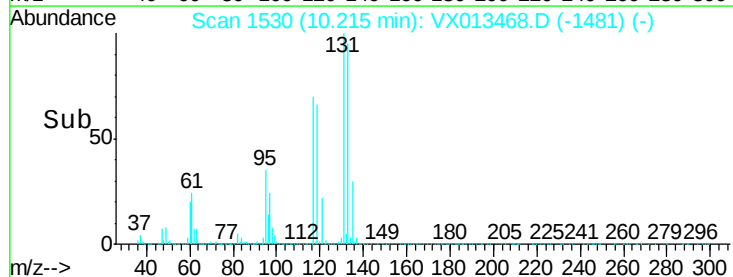
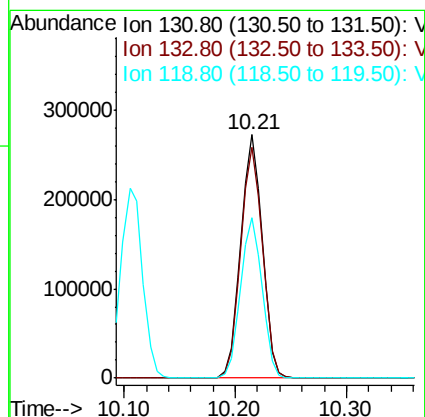
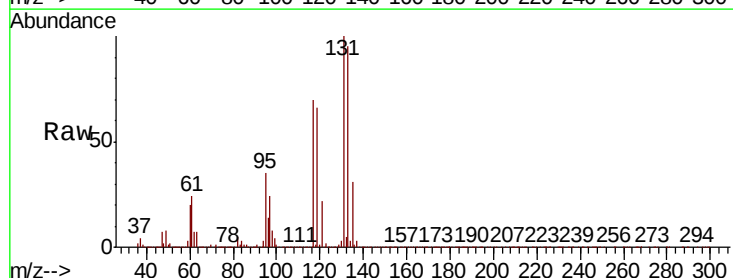
Manual Integrations
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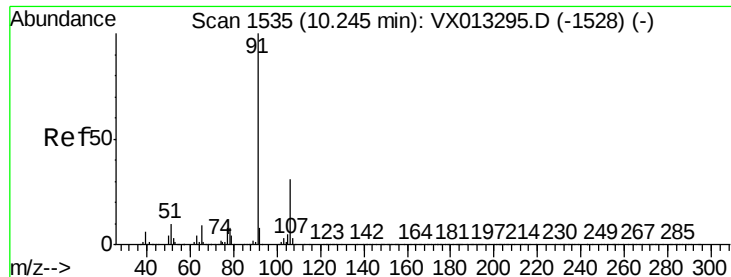
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.135 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	48.0	144.0
119	65.6	33.0	99.0





#67

Ethyl Benzene

Concen: 53.909 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1681807

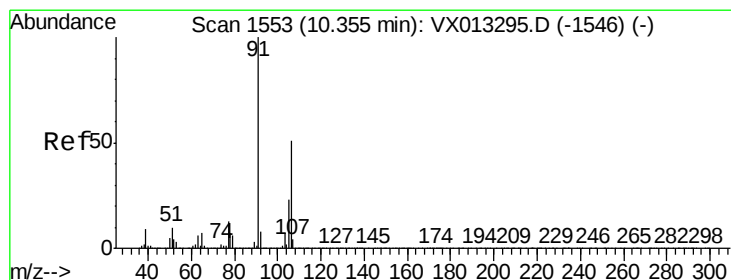
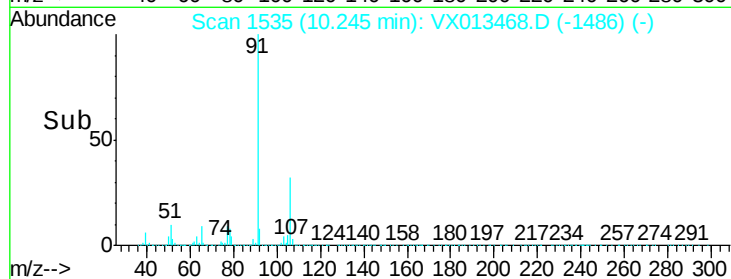
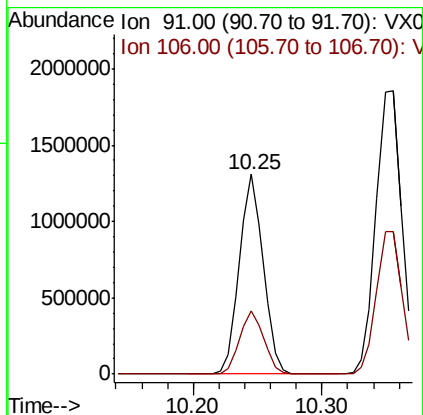
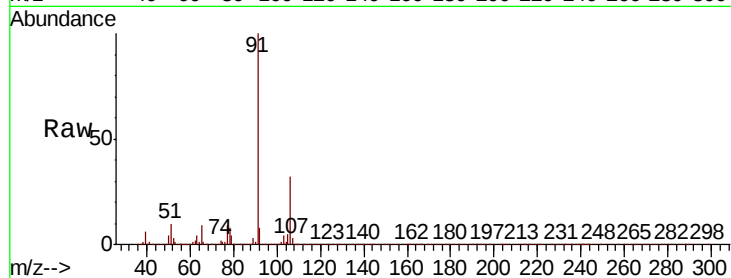
Ion Ratio Lower Upper

91 100

106 31.7 24.6 36.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 109.176 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013468.D

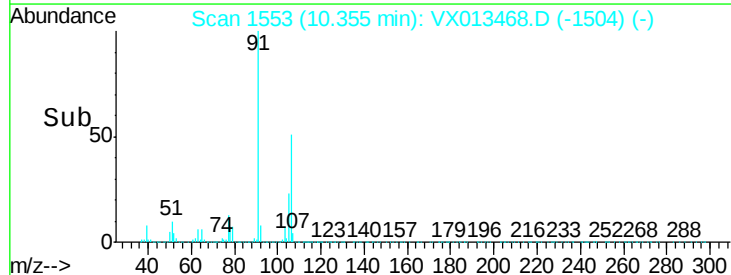
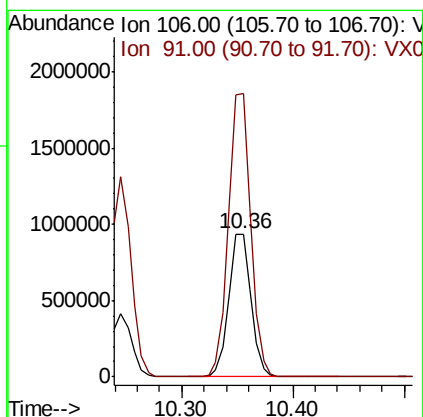
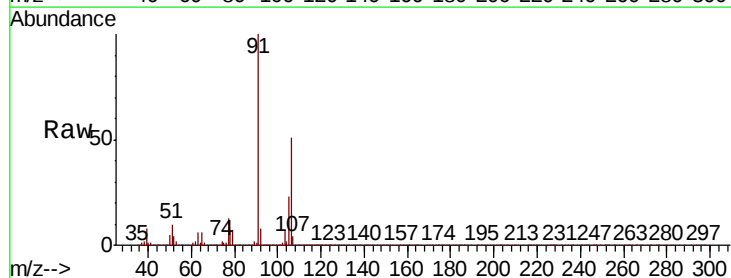
Acq: 20 Nov 2019 09:57

Tgt Ion: 106 Resp: 1288106

Ion Ratio Lower Upper

106 100

91 199.8 159.3 238.9





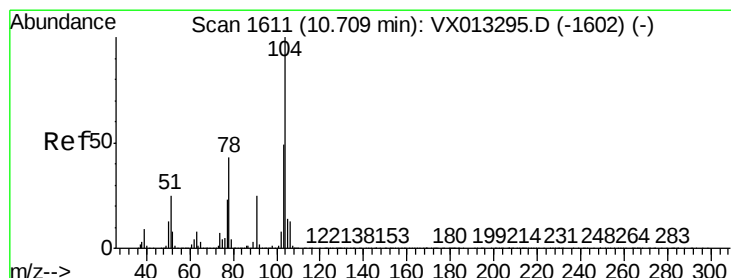
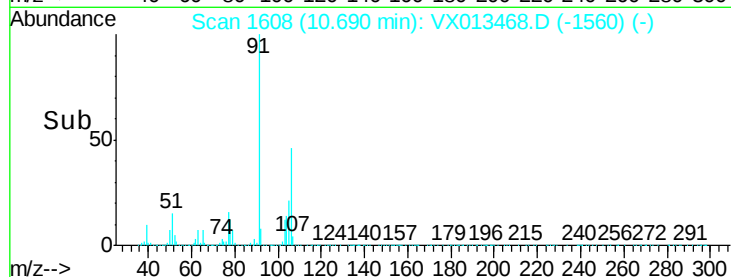
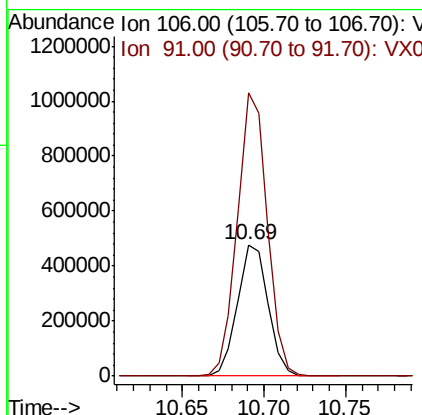
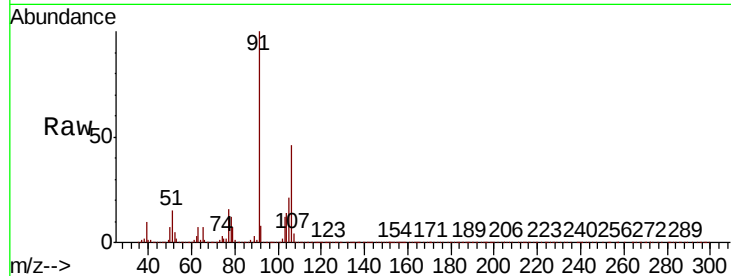
#69
o-Xylene
Concen: 53.942 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 623082
Ion Ratio Lower Upper
106 100
91 211.6 105.7 317.0

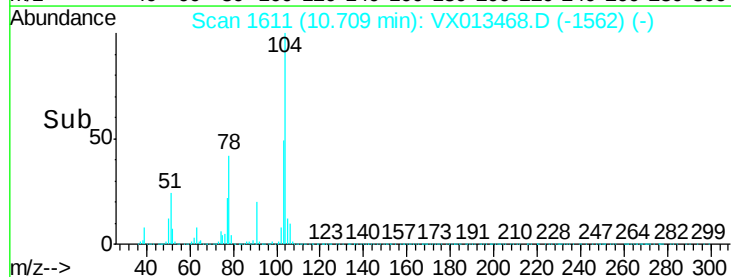
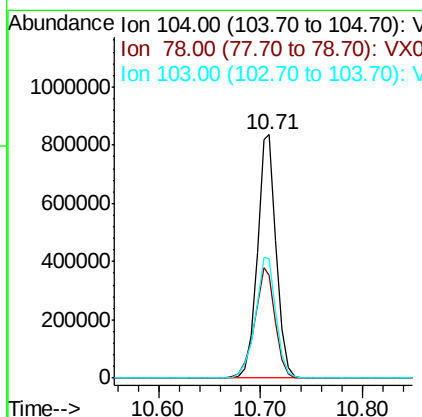
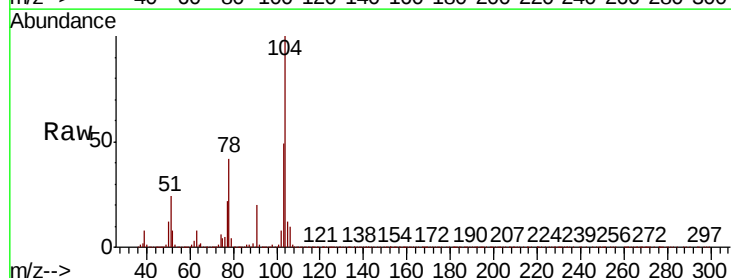
Manual Integrations
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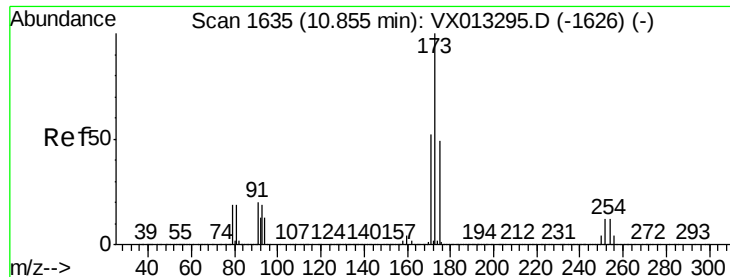
MMDadoda
11/21/2019 9:50:50 AM



#70
Styrene
Concen: 56.308 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Tgt Ion:104 Resp: 1087251
Ion Ratio Lower Upper
104 100
78 49.1 40.0 60.0
103 54.4 44.1 66.1





#71

Bromoform

Concen: 50.427 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 310498

Ion Ratio Lower Upper

173 100

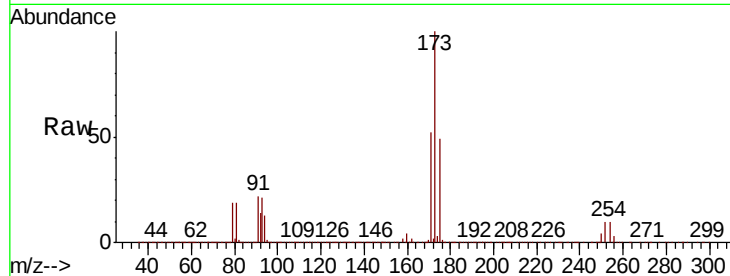
175 49.0 24.8 74.4

254 0.2 0.2 0.2

Manual Integrations
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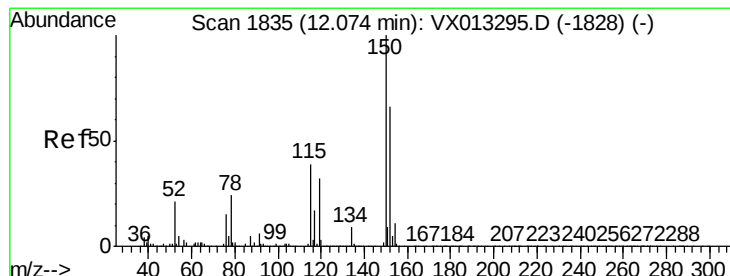
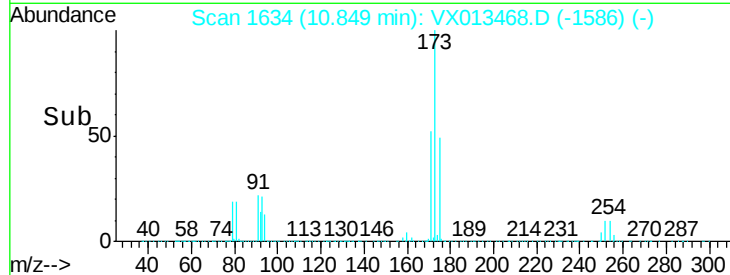
Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

10.85

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

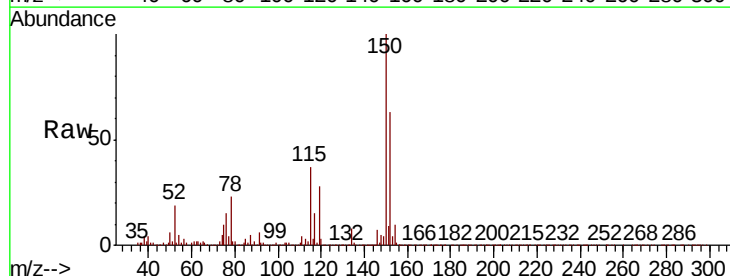
Tgt Ion:152 Resp: 454876

Ion Ratio Lower Upper

152 100

115 80.0 39.5 118.3

150 175.4 0.0 344.4



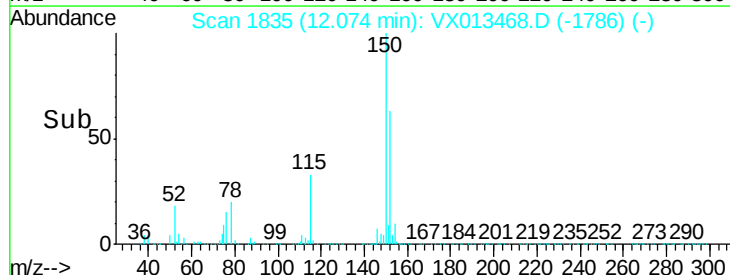
Abundance Ion 151.90 (151.60 to 152.60): V

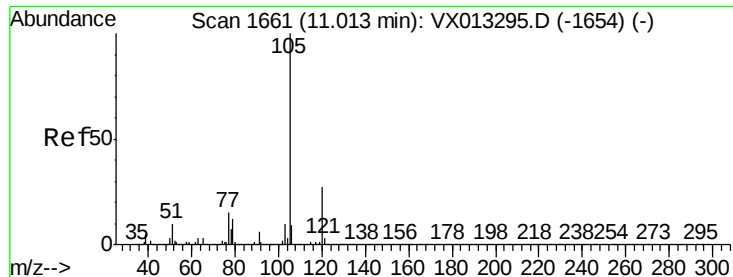
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

12.07

Time-->





#73

Isopropylbenzene

Concen: 56.211 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1695266

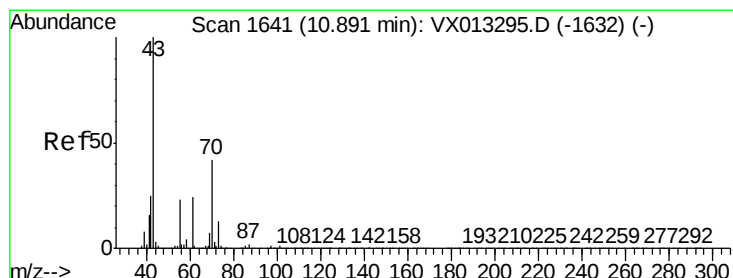
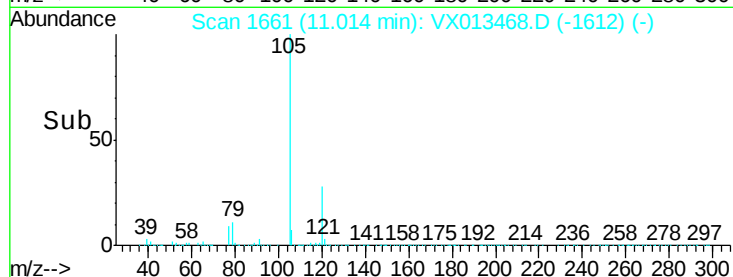
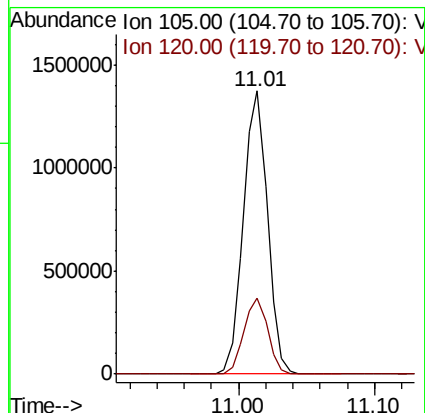
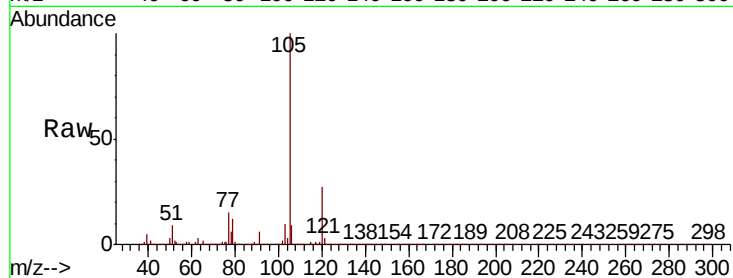
Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.5

Manual Integrations
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11/21/2019 9:50:50 AM



#74

N-ethyl acetate

Concen: 56.403 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

Tgt Ion: 43 Resp: 788824

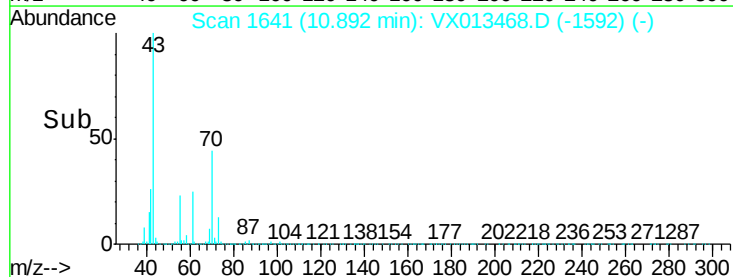
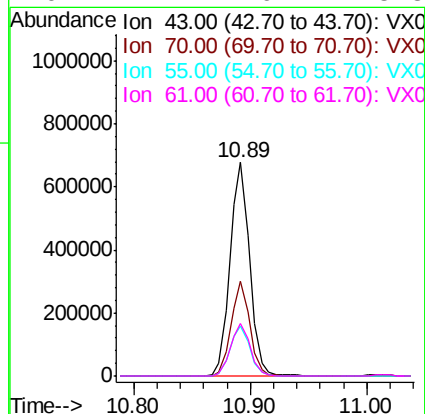
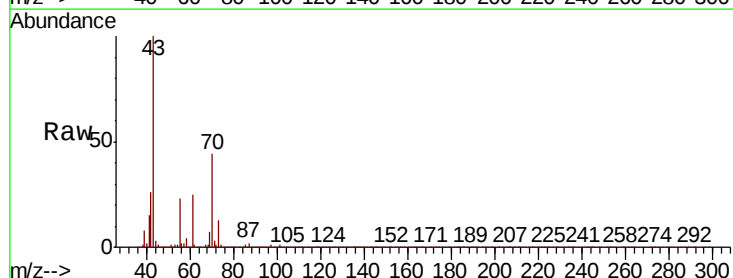
Ion Ratio Lower Upper

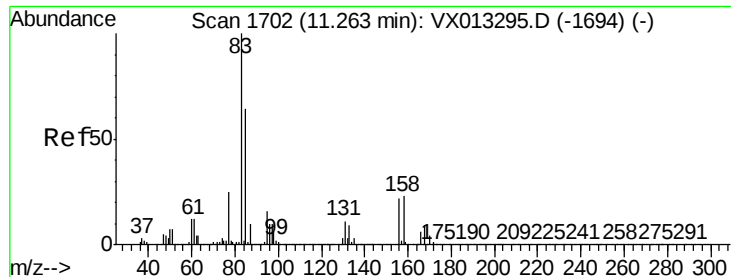
43 100

70 42.8 34.1 51.1

55 23.6 18.9 28.3

61 24.7 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 53.592 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

Instrument :

MSVOA_X

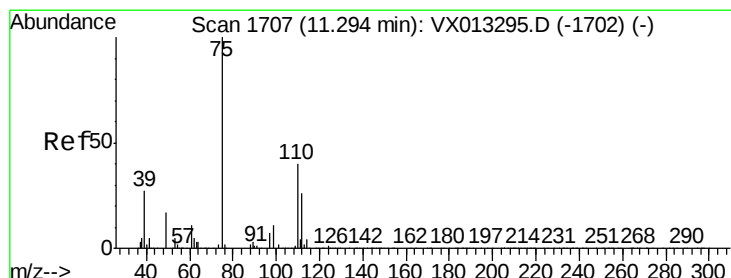
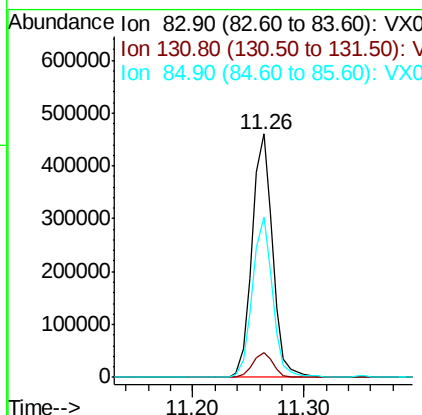
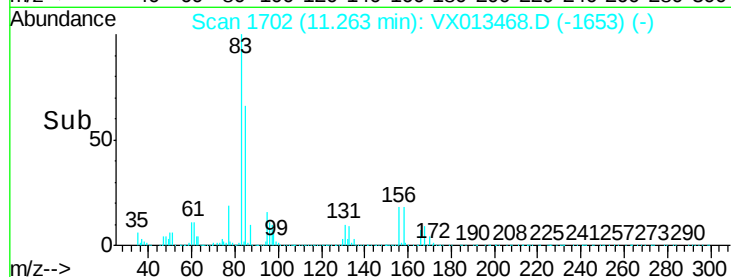
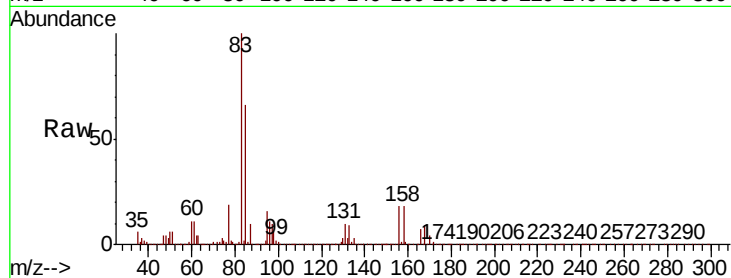
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	589647
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.3
85	64.5	32.3	96.8

Manual Integrations
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11/21/2019 9:50:50 AM



#76

1,2,3-Trichloropropane

Concen: 51.914 ug/l m

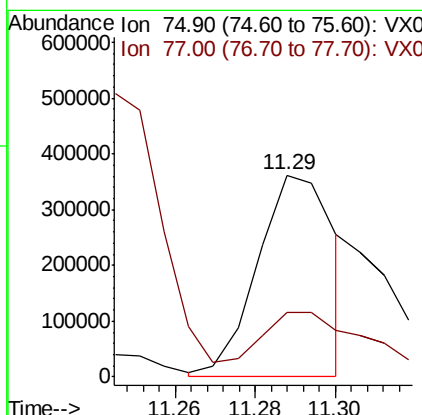
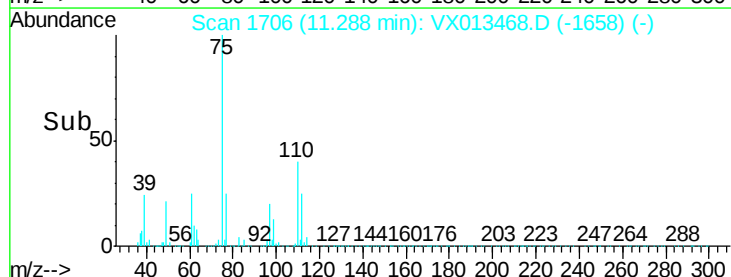
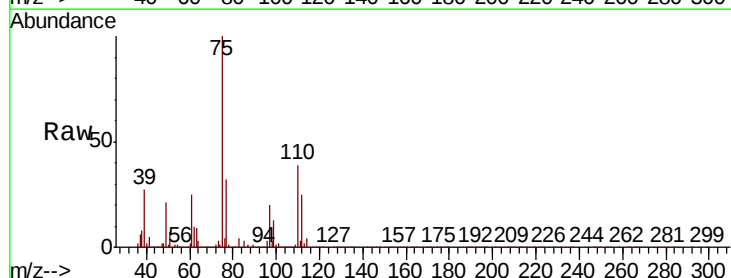
RT: 11.29 min Scan# 1706

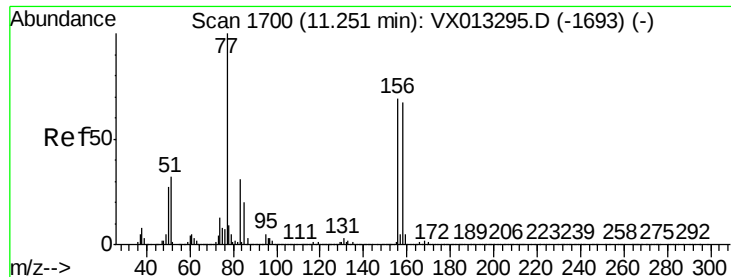
Delta R.T. -0.01 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

Tgt Ion:	75	Resp:	479640
Ion Ratio	Lower	Upper	
75	100		
77	45.5	22.3	66.8





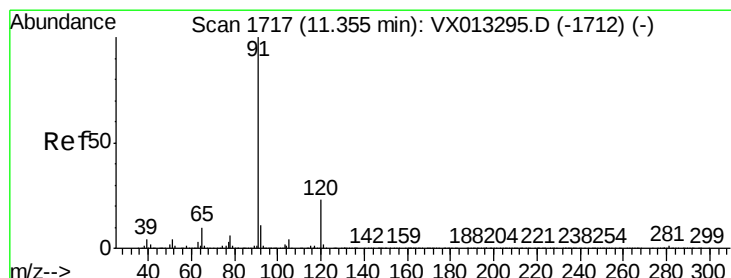
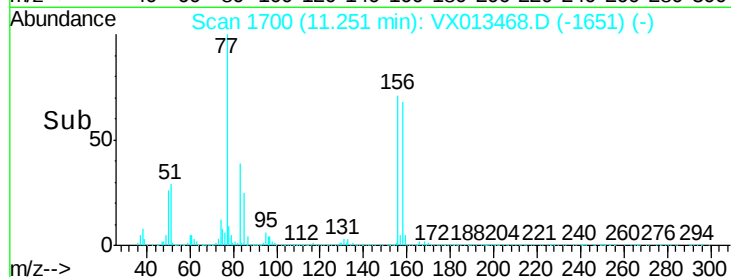
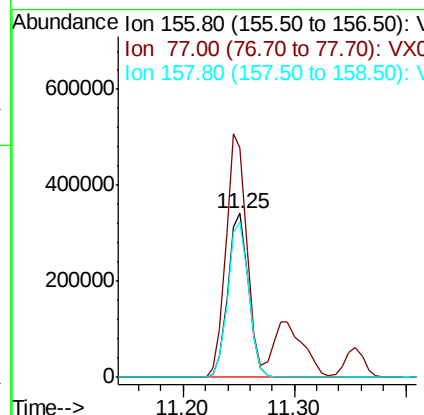
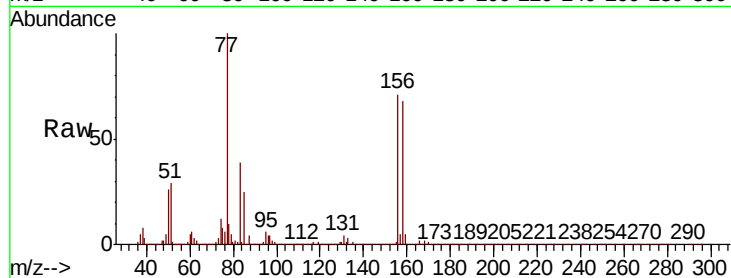
#77
Bromobenzene
Concen: 54.151 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	150.1	75.8	227.4
158	96.9	47.6	142.8

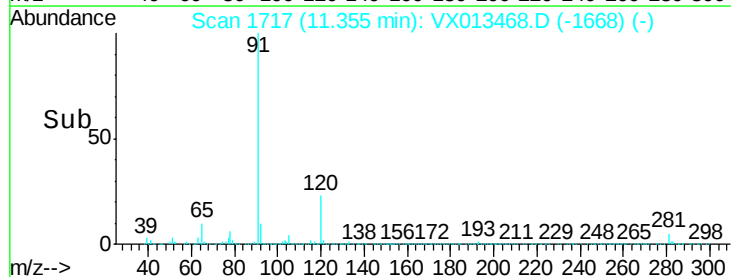
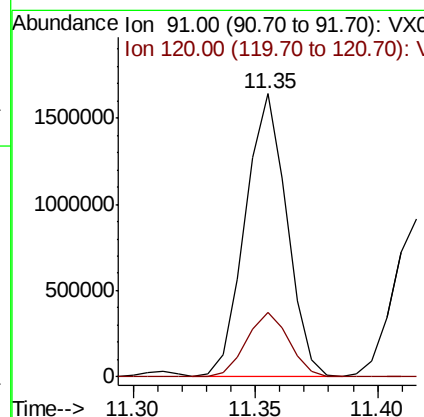
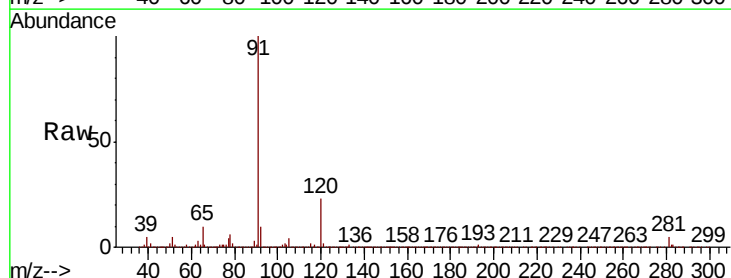
Manual Integrations
APPROVED

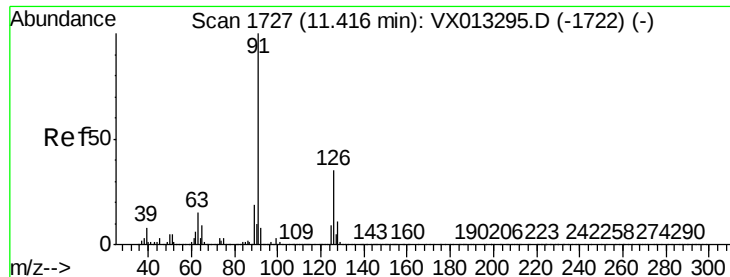
MMDadoda
11/21/2019 9:50:50 AM



#78
n-propylbenzene
Concen: 57.681 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.6	34.8





#79

2-Chlorotoluene

Concen: 55.798 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1129421

Ion Ratio Lower Upper

91 100

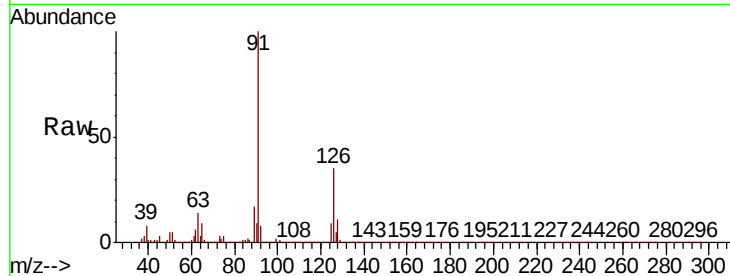
126 34.8 17.3 52.0

Manual Integrations

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11/21/2019 9:50:50 AM



Abundance Ion 91.00 (90.70 to 91.70): VX013295.D (-1722) (-)

Ion 125.90 (125.60 to 126.60): VX013295.D (-1722) (-)

1500000

1000000

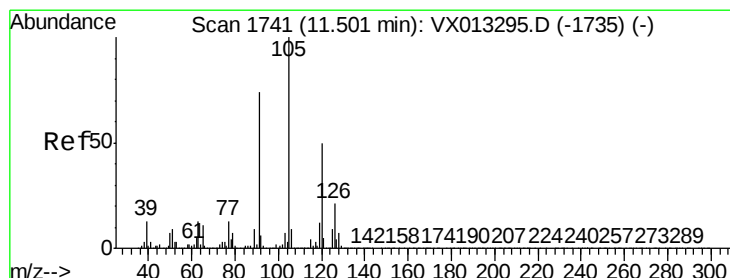
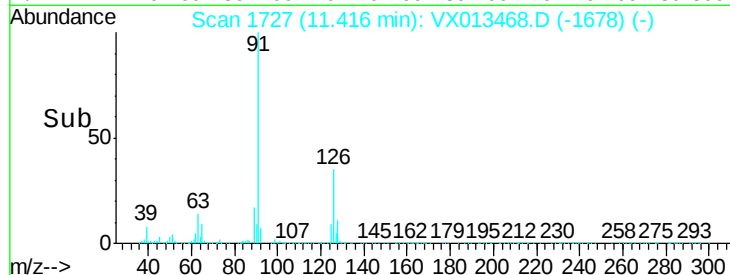
500000

0

11.42

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 56.486 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013468.D

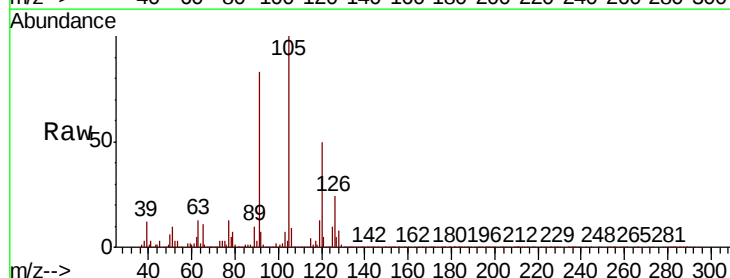
Acq: 20 Nov 2019 09:57

Tgt Ion: 105 Resp: 1418979

Ion Ratio Lower Upper

105 100

120 50.5 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VX013295.D (-1735) (-)

Ion 120.00 (119.70 to 120.70): VX013295.D (-1735) (-)

1000000

500000

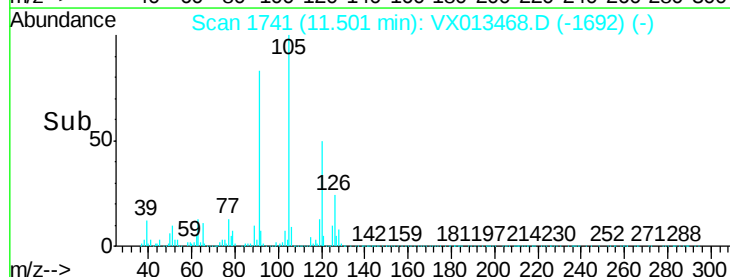
0

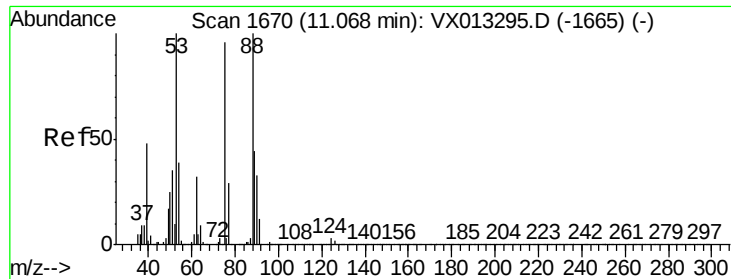
11.50

11.55

11.60

Time-->





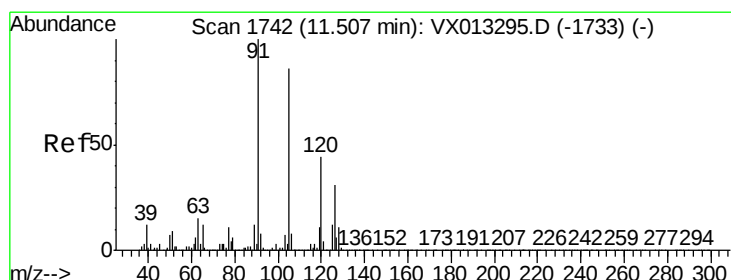
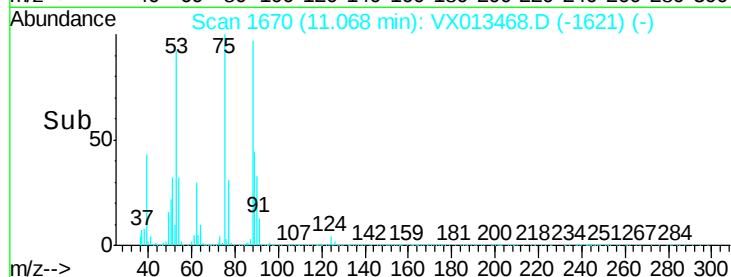
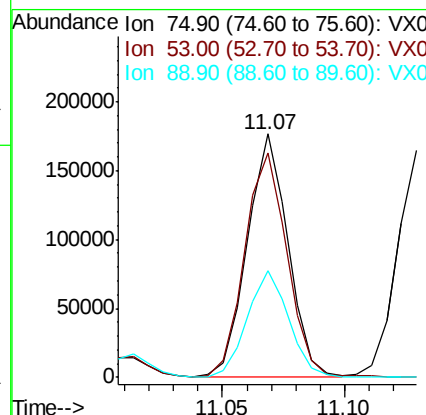
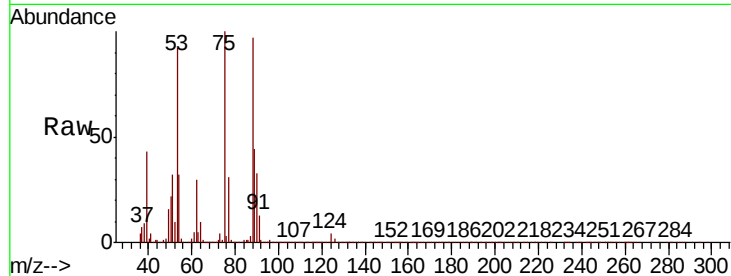
#81
trans-1,4-Dichloro-2-butene
Concen: 56.925 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.5	81.0	121.6
89	45.2	36.0	54.0

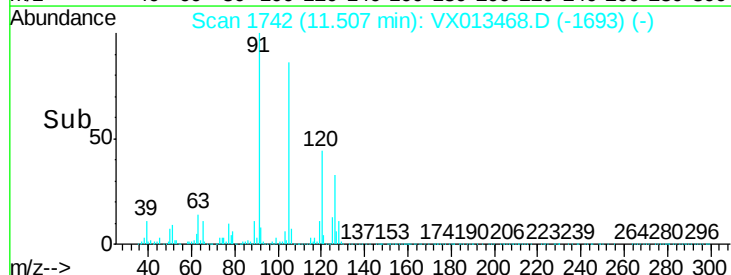
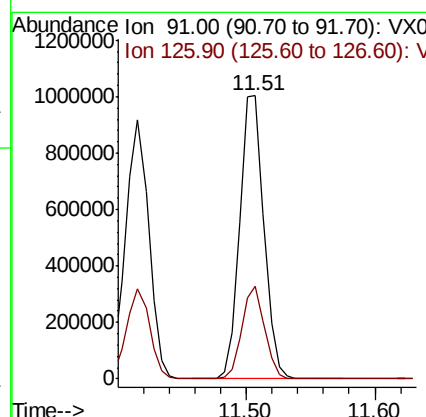
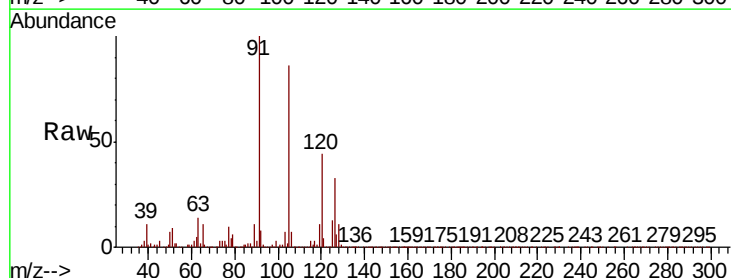
Manual Integrations
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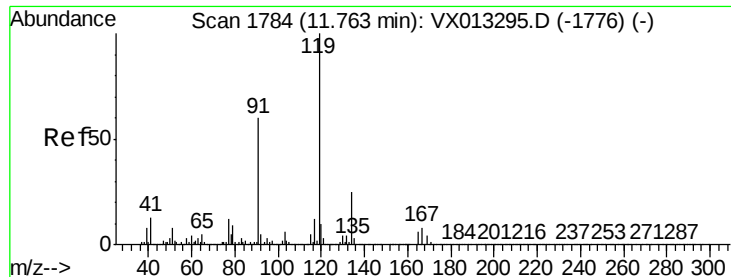
MMDadoda
11/21/2019 9:50:50 AM



#82
4-Chlorotoluene
Concen: 55.398 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.3	45.8





#83

tert-Butylbenzene

Concen: 56.629 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 1432014

Ion Ratio Lower Upper

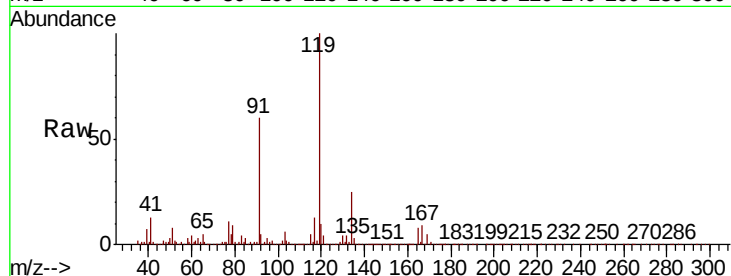
119 100

91 54.4 26.9 80.7

134 23.7 11.7 35.1

Manual Integrations
APPROVED

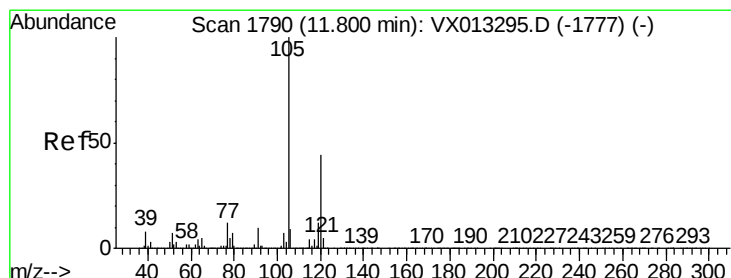
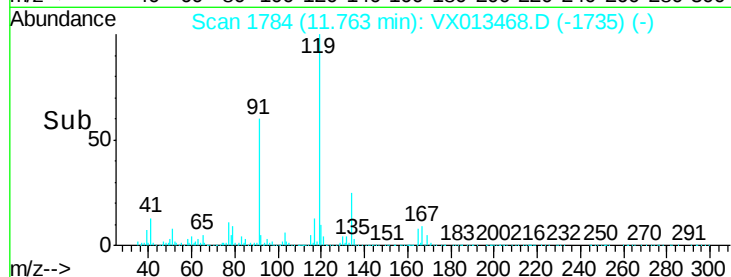
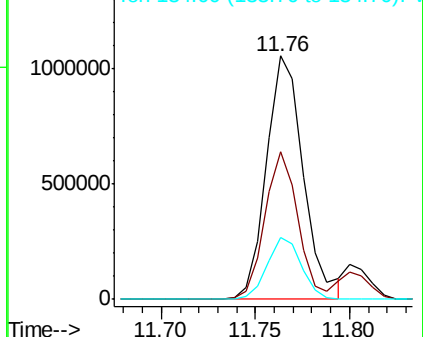
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 56.714 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX013468.D

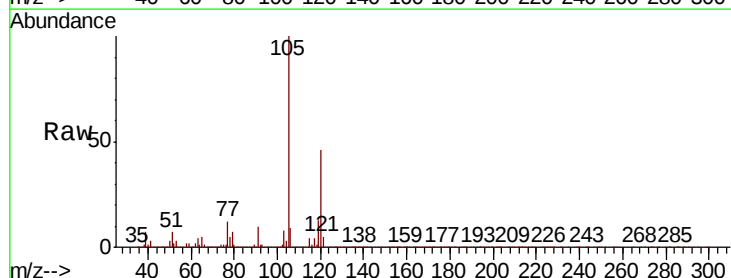
Acq: 20 Nov 2019 09:57

Tgt Ion:105 Resp: 1429189

Ion Ratio Lower Upper

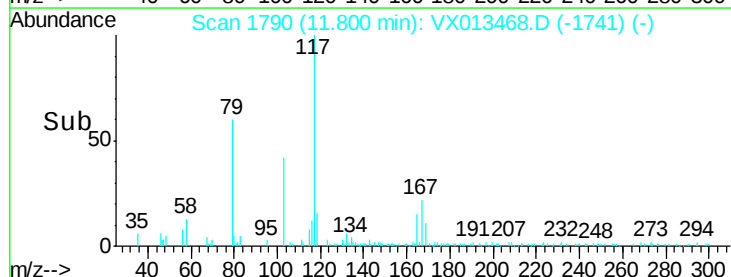
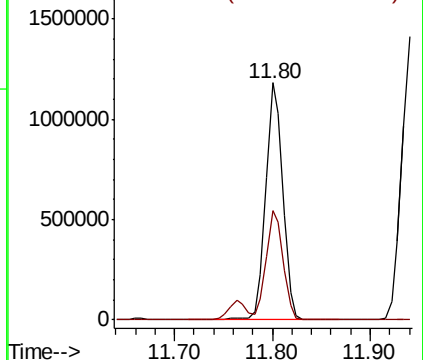
105 100

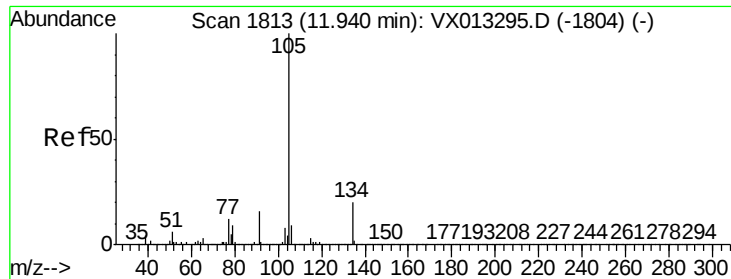
120 45.7 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 57.754 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1678498

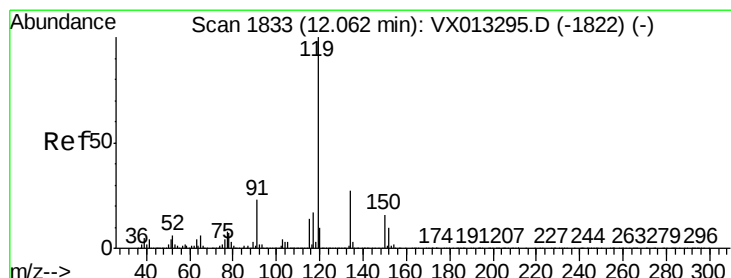
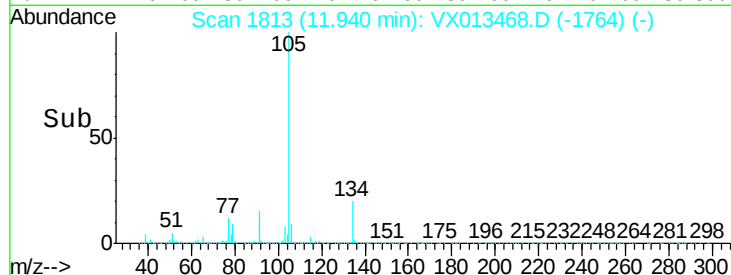
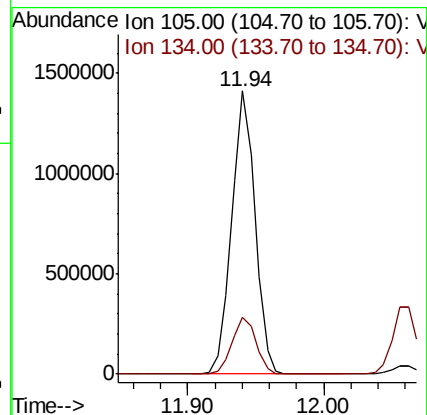
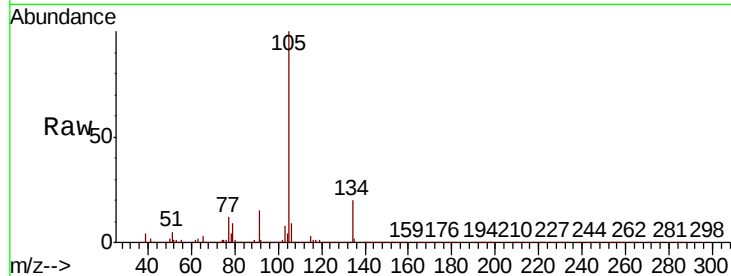
Ion Ratio Lower Upper

105 100

134 20.8 10.3 30.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 58.301 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

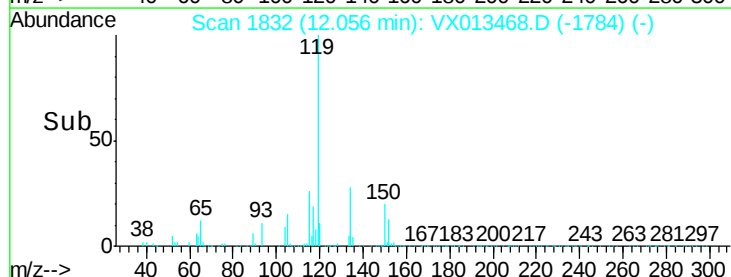
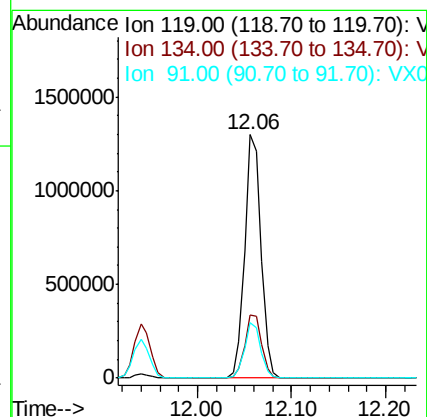
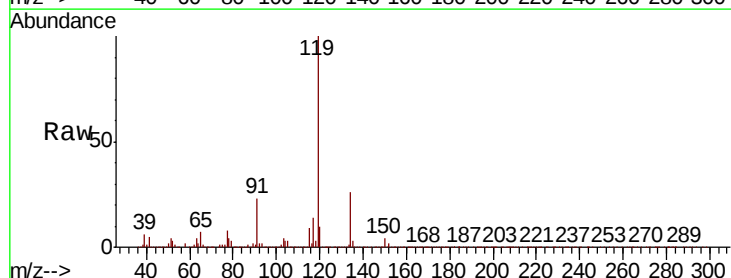
Tgt Ion:119 Resp: 1560259

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

91 22.5 11.5 34.4





#87

1,3-Dichlorobenzene

Concen: 54.994 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

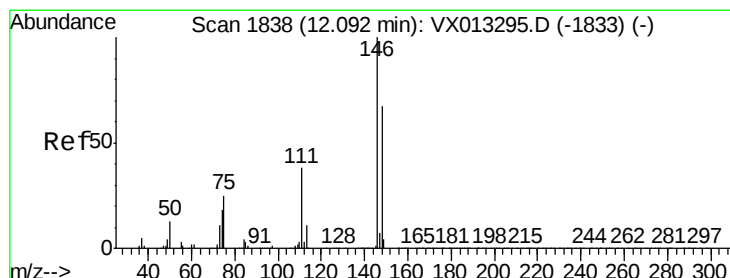
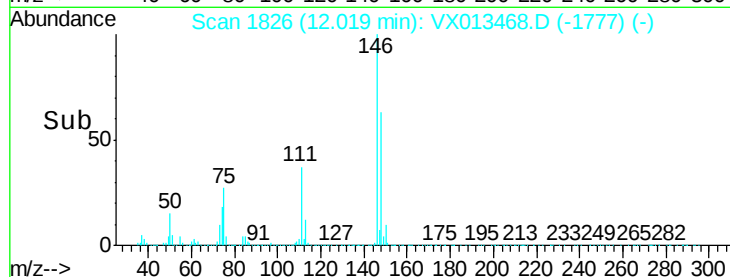
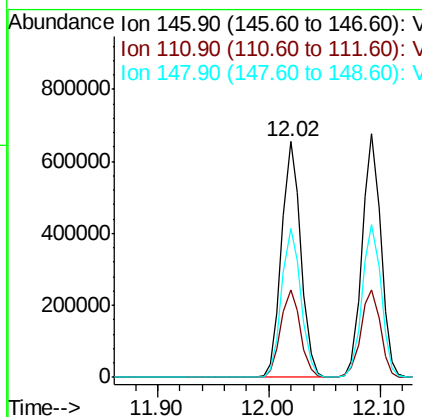
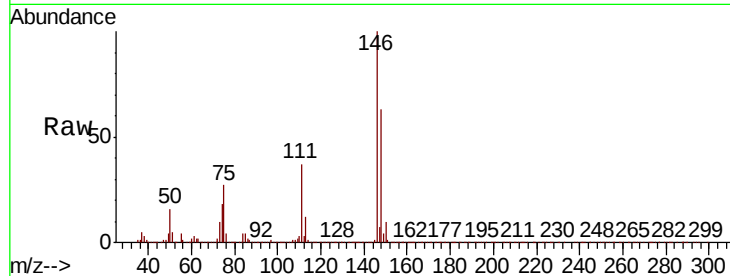
Instrument :
MSVOA_X

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.5
148	63.4	31.9	95.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 53.746 ug/l

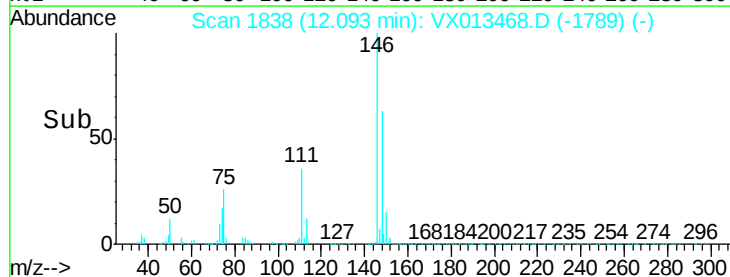
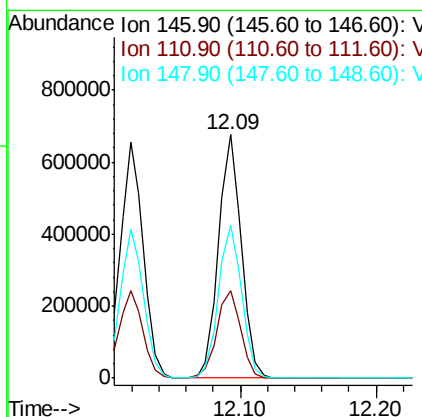
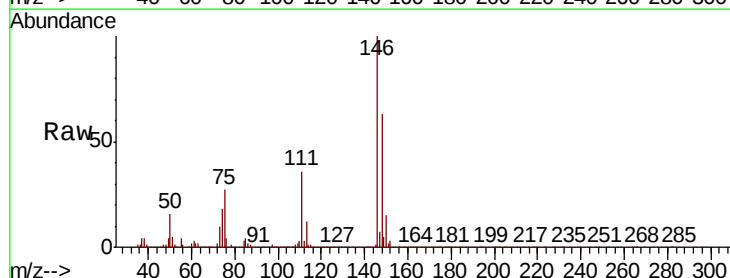
RT: 12.09 min Scan# 1838

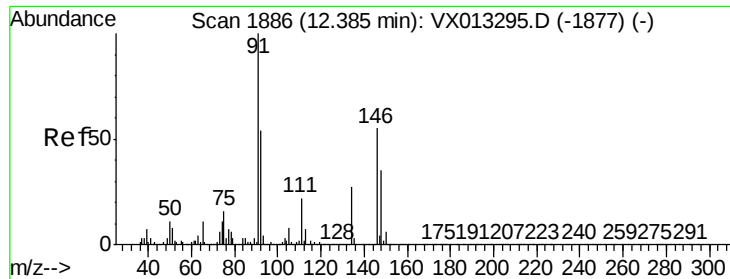
Delta R.T. 0.00 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.4
148	64.2	32.4	97.0





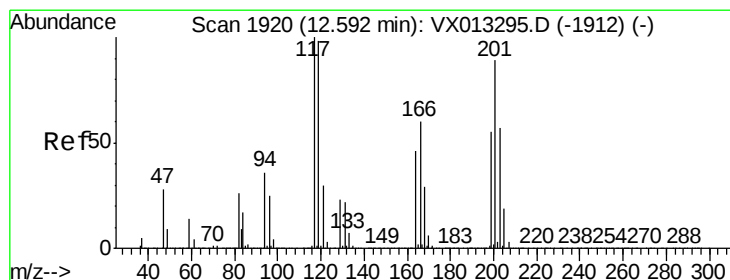
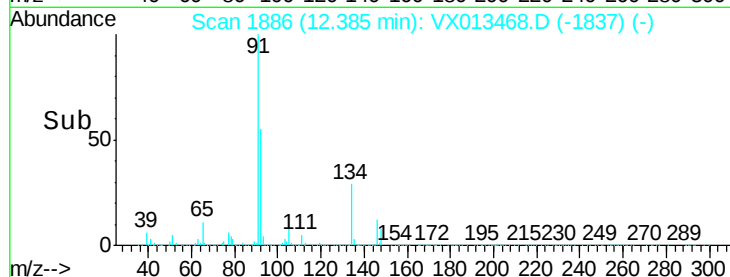
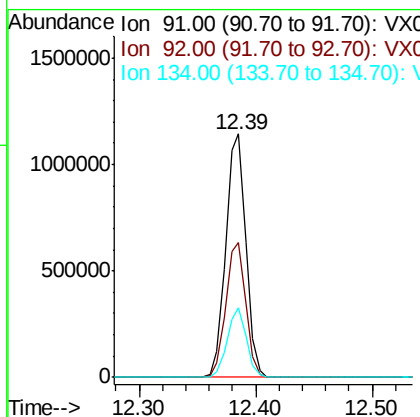
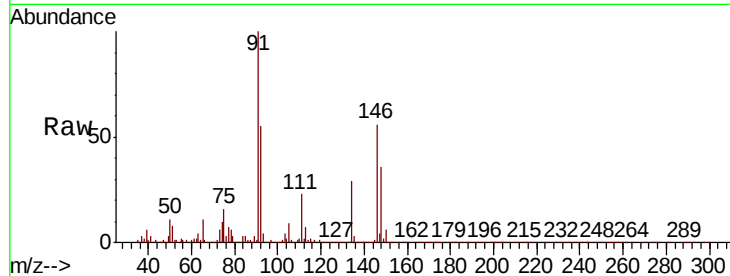
#89
n-Butylbenzene
Concen: 58.292 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.3	81.8
134	27.2	13.5	40.5

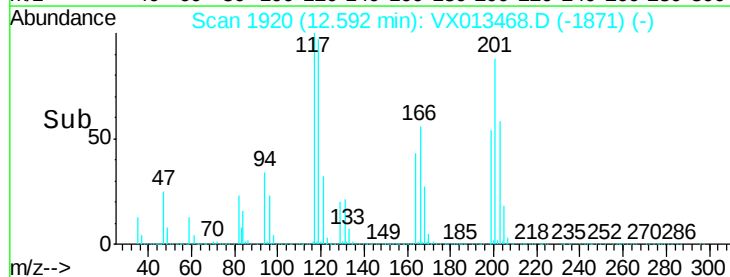
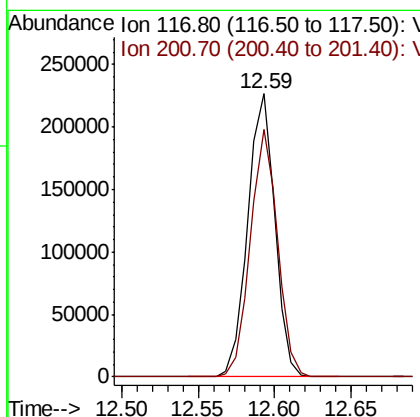
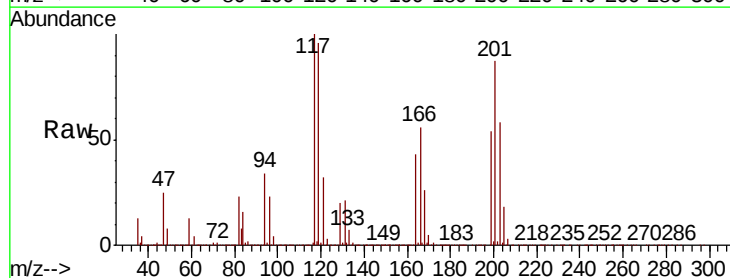
Manual Integrations
APPROVED

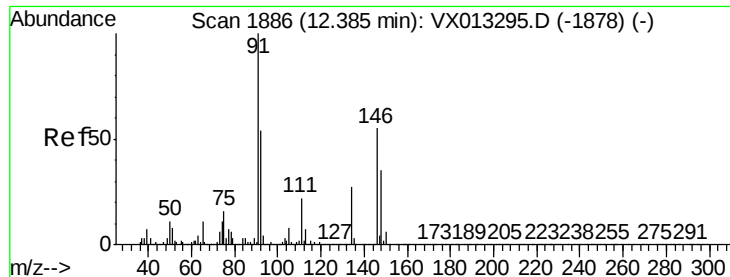
MMDadoda
11/21/2019 9:50:50 AM



#90
Hexachloroethane
Concen: 58.321 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.9	43.9	131.7





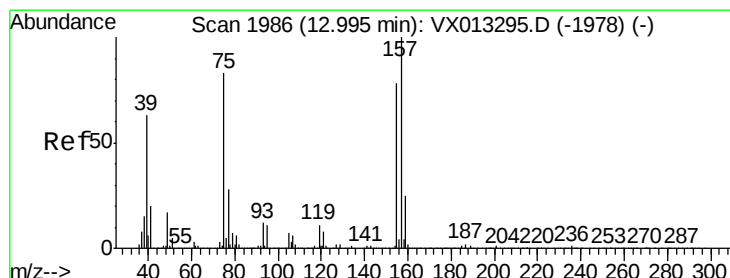
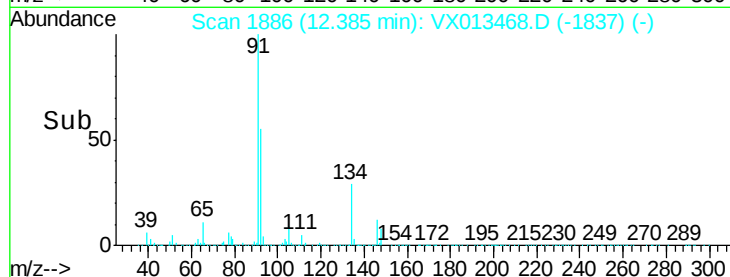
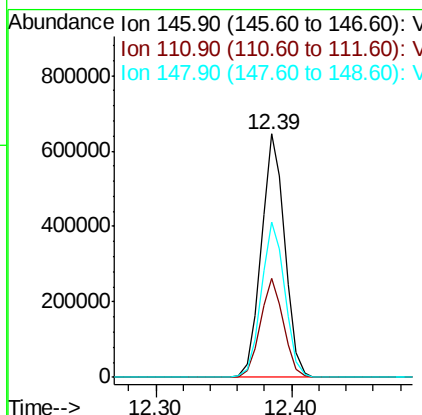
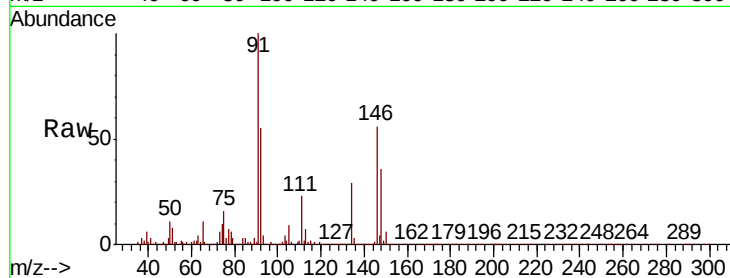
#91
1,2-Dichlorobenzene
Concen: 54.636 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
146	100		
111	39.9	20.1	60.2
148	64.1	32.0	96.0

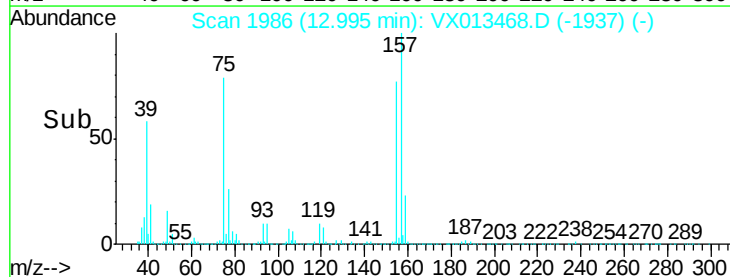
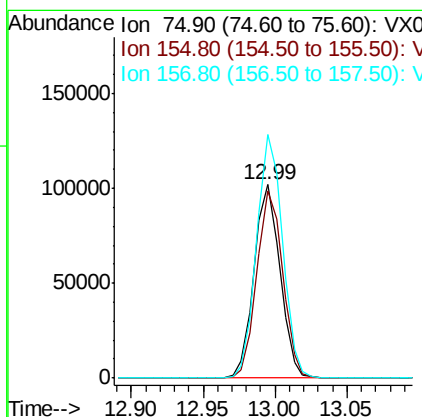
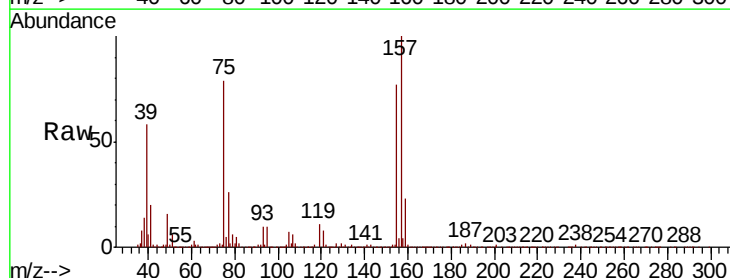
Manual Integrations
APPROVED

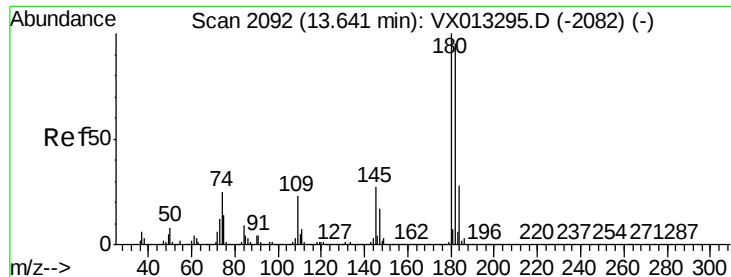
MMDadoda
11/21/2019 9:50:50 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 47.319 ug/l
RT: 12.99 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VX013468.D
Acq: 20 Nov 2019 09:57

Tgt Ion	Ratio	Resp Lower	Upper
75	100		
155	96.4	47.1	141.4
157	125.7	61.3	183.8





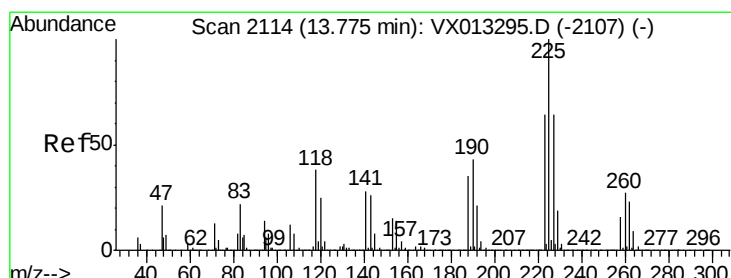
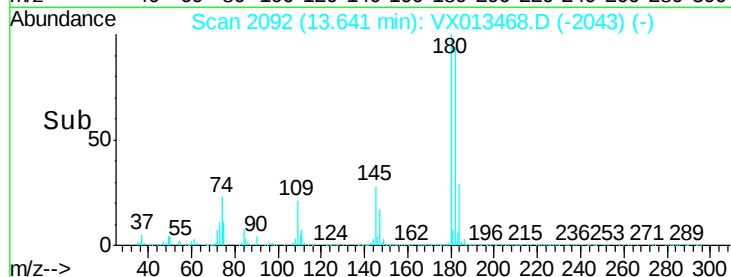
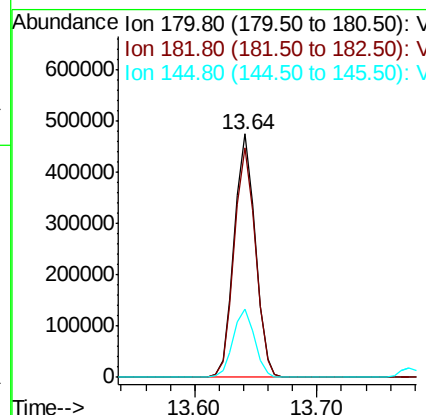
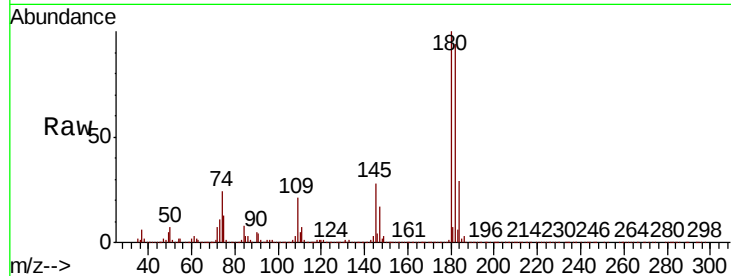
#93
 1,2,4-Trichlorobenzene
 Concen: 56.389 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX013468.D
 Acq: 20 Nov 2019 09:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.4	145.0
145	28.4	14.1	42.4

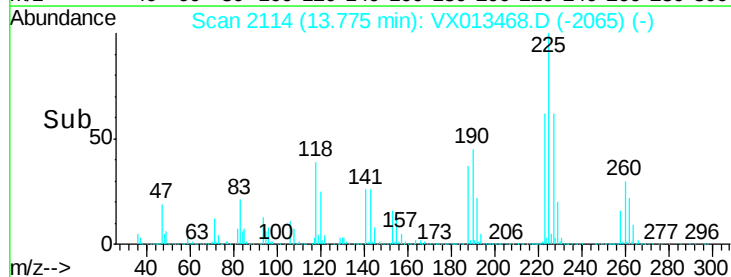
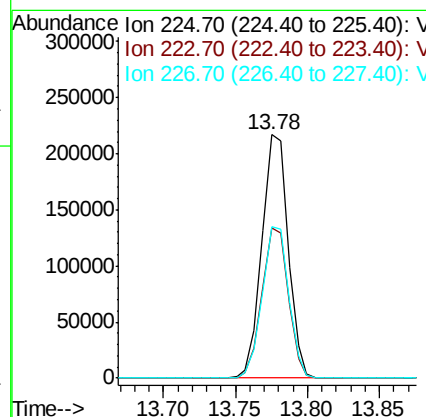
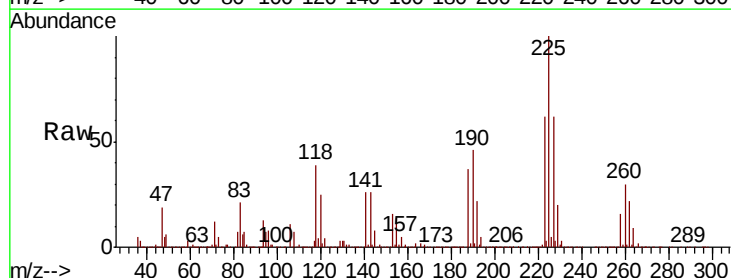
Manual Integrations
 APPROVED

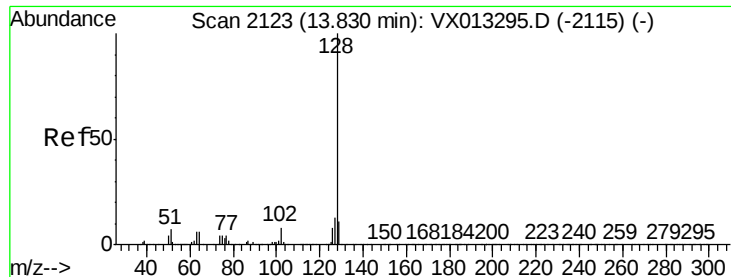
MMDadoda
 11/21/2019 9:50:50 AM



#94
 Hexachlorobutadiene
 Concen: 55.664 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX013468.D
 Acq: 20 Nov 2019 09:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.9	95.7
227	62.6	31.9	95.9





#95

Naphthalene

Concen: 53.641 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

Instrument :

MSVOA_X

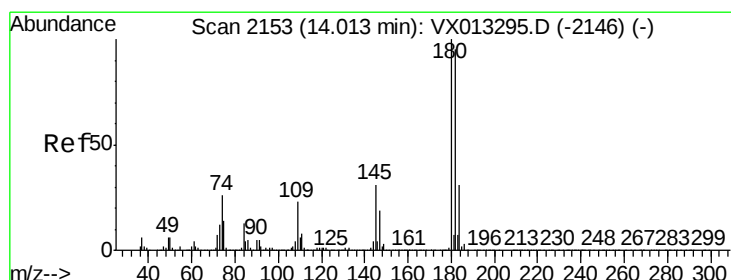
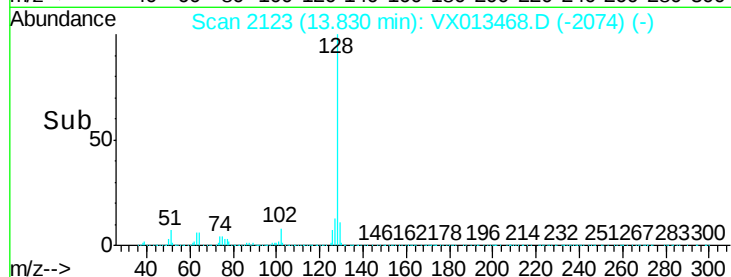
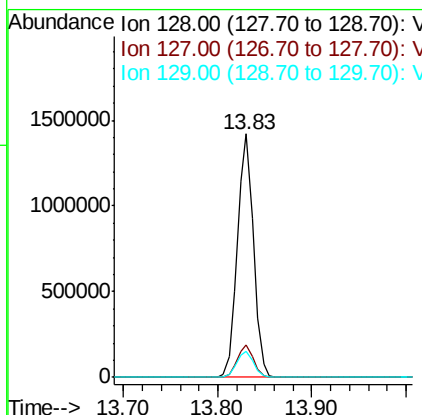
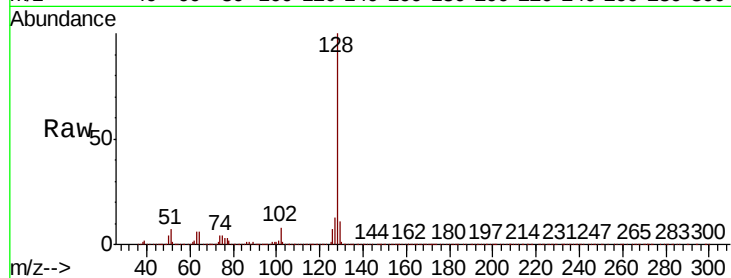
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	1681762
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.9	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
11/21/2019 9:50:50 AM



#96

1,2,3-Trichlorobenzene

Concen: 54.857 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX013468.D

Acq: 20 Nov 2019 09:57

Tgt Ion:	180	Resp:	549749
Ion	Ratio	Lower	Upper
180	100		
182	97.6	48.0	144.2
145	30.2	15.4	46.4

