

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112619\
 Data File : VN059399.D
 Acq On : 26 Nov 2019 11:52
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 11/27/2019 10:29:10 AM

Quant Time: Nov 26 13:51:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	405784	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	627961	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	560304	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	267233	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	242759	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
35) Dibromofluoromethane	7.57	113	201886	53.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.18%	
50) Toluene-d8	10.08	98	793572	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
62) 4-Bromofluorobenzene	12.40	95	286515	54.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.42%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	199533	38.409	ug/l	100
3) Chloromethane	2.04	50	241691	37.977	ug/l	100
4) Vinyl Chloride	2.17	62	264964	40.438	ug/l	99
5) Bromomethane	2.55	94	144835	39.815	ug/l	97
6) Chloroethane	2.68	64	136952	38.297	ug/l	99
7) Trichlorofluoromethane	3.00	101	272014	38.551	ug/l	99
8) Diethyl Ether	3.38	74	121704	42.191	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	181038	41.960	ug/l	100
10) Methyl Iodide	3.93	142	240901	44.926	ug/l	99
11) Tert butyl alcohol	4.75	59	179176	183.810	ug/l	100
12) 1,1-Dichloroethene	3.71	96	177558	40.543	ug/l	94
13) Acrolein	3.58	56	119725	134.548	ug/l	100
14) Allyl chloride	4.29	41	328419	40.142	ug/l	98
15) Acrylonitrile	4.95	53	507459	196.891	ug/l	100
16) Acetone	3.79	43	553871	253.714	ug/l	99
17) Carbon Disulfide	4.03	76	536085	39.088	ug/l	100
18) Methyl Acetate	4.29	43	288643	39.841	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	595354	42.088	ug/l	99
20) Methylene Chloride	4.52	84	198957	40.409	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	190804	41.108	ug/l	99
22) Diisopropyl ether	5.92	45	634992	41.222	ug/l	98
23) Vinyl Acetate	5.86	43	2513184	207.470	ug/l	99
24) 1,1-Dichloroethane	5.82	63	361122	41.649	ug/l	99
25) 2-Butanone	6.81	43	716607	211.100	ug/l	98
26) 2,2-Dichloropropane	6.80	77	309594	41.236	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	217530	41.538	ug/l	98
28) Bromochloromethane	7.17	49	159074	45.273	ug/l	95
29) Tetrahydrofuran	7.18	42	445114	189.631	ug/l	99
30) Chloroform	7.35	83	345568	41.047	ug/l	98
31) Cyclohexane	7.63	56	331940	38.719	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	296721	41.044	ug/l	99
36) 1,1-Dichloropropene	7.77	75	271610	41.898	ug/l	99
37) Ethyl Acetate	6.90	43	274038	39.332	ug/l	99
38) Carbon Tetrachloride	7.75	117	261599	42.152	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	329271	42.121	ug/l	99
40) Benzene	8.02	78	815713	42.872	ug/l	100
41) Methacrylonitrile	7.15	41	124095m	40.122	ug/l	
42) 1,2-Dichloroethane	8.10	62	260462	41.391	ug/l	100
43) Isopropyl Acetate	8.14	43	438904	41.220	ug/l	99
44) Trichloroethene	8.82	130	206665	42.858	ug/l	96
45) 1,2-Dichloropropane	9.10	63	218219	43.010	ug/l	99
46) Dibromomethane	9.19	93	132931	42.715	ug/l	99
47) Bromodichloromethane	9.39	83	271407	43.546	ug/l	99
48) Methyl methacrylate	9.18	41	195638	40.404	ug/l	96
49) 1,4-Dioxane	9.19	88	57482	789.888	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	1326994	212.918	ug/l	99
52) Toluene	10.15	92	490272	42.853	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	314740	43.441	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	345088	43.894	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	193190	43.431	ug/l	99
56) Ethyl methacrylate	10.42	69	298690	40.208	ug/l	97
57) 1,3-Dichloropropane	10.70	76	335130	43.227	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	244369	103.327	ug/l	99
59) 2-Hexanone	10.74	43	1003324	219.851	ug/l	98
60) Dibromochloromethane	10.90	129	210321	44.869	ug/l	100
61) 1,2-Dibromoethane	11.00	107	199066	43.010	ug/l	100
64) Tetrachloroethene	10.63	164	184120	42.488	ug/l	99
65) Chlorobenzene	11.43	112	516592	42.879	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	193433	44.195	ug/l	100
67) Ethyl Benzene	11.51	91	935068	43.469	ug/l	99
68) m/p-Xylenes	11.62	106	704700	88.163	ug/l	100
69) o-Xylene	11.95	106	333944	43.640	ug/l	98
70) Styrene	11.96	104	548675	45.441	ug/l	100
71) Bromoform	12.13	173	149487	45.099	ug/l #	99
73) Isopropylbenzene	12.25	105	905875	41.380	ug/l	99
74) N-amyl acetate	12.07	43	355583	40.417	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	284809	39.329	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	274301m	44.430	ug/l	
77) Bromobenzene	12.53	156	218526	41.155	ug/l	97
78) n-propylbenzene	12.59	91	1057937	42.663	ug/l	100
79) 2-Chlorotoluene	12.67	91	617599	40.577	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	763449	41.486	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	103674	42.001	ug/l	97
82) 4-Chlorotoluene	12.77	91	641213	40.710	ug/l	99
83) tert-Butylbenzene	12.99	119	655642	42.184	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	761160	42.224	ug/l	100
85) sec-Butylbenzene	13.17	105	883079	42.274	ug/l	100
86) p-Isopropyltoluene	13.29	119	803807	43.242	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	391735	41.428	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	387793	41.450	ug/l	99
89) n-Butylbenzene	13.62	91	705679	43.275	ug/l	99
90) Hexachloroethane	13.88	117	144296	40.988	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	378004	41.318	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	54183	35.193	ug/l	95

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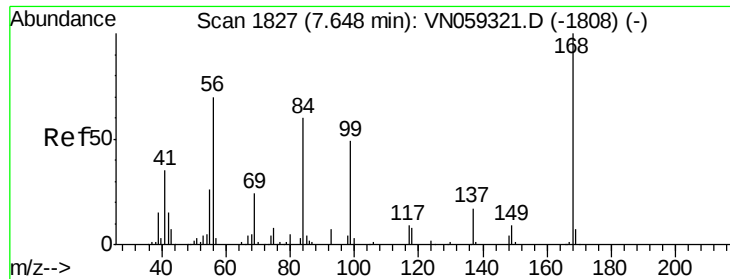
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	237450	42.216	ug/l	100
94) Hexachlorobutadiene	15.01	225	135403	41.080	ug/l	99
95) Naphthalene	15.13	128	612660	39.590	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	233392	42.102	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

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Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 405784

Ion Ratio Lower Upper

168 100

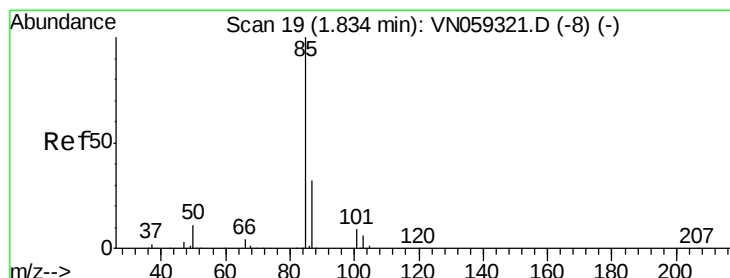
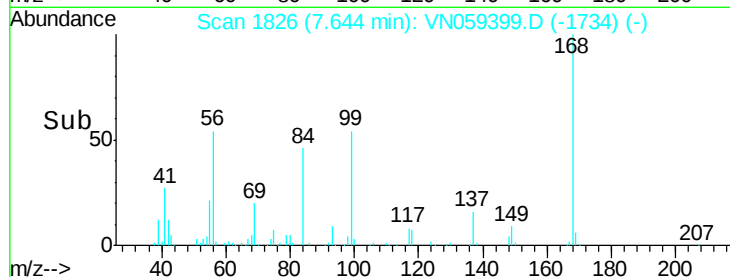
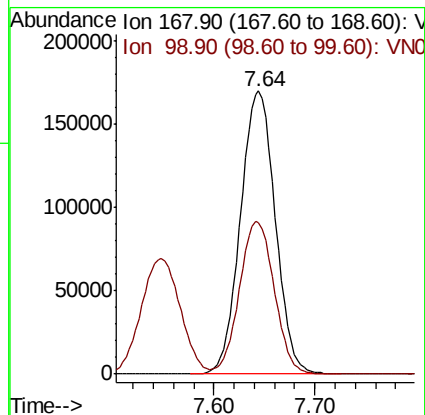
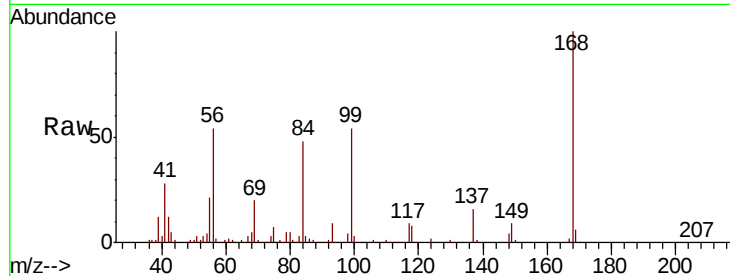
99 53.4 44.6 66.8

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#2

Dichlorodifluoromethane

Concen: 38.409 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059399.D

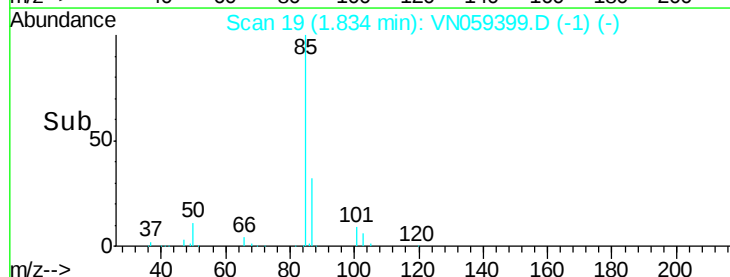
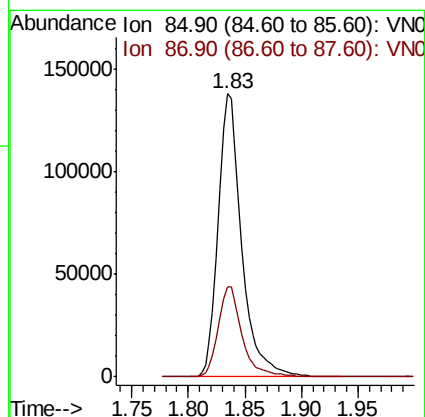
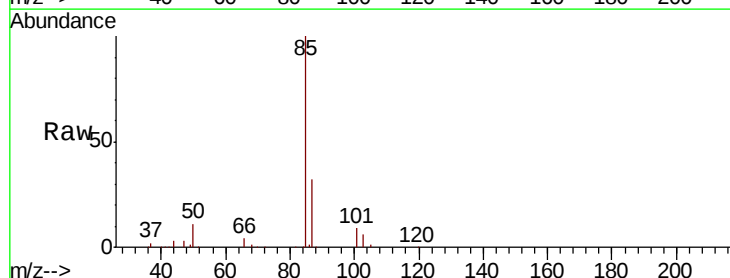
Acq: 26 Nov 2019 11:52

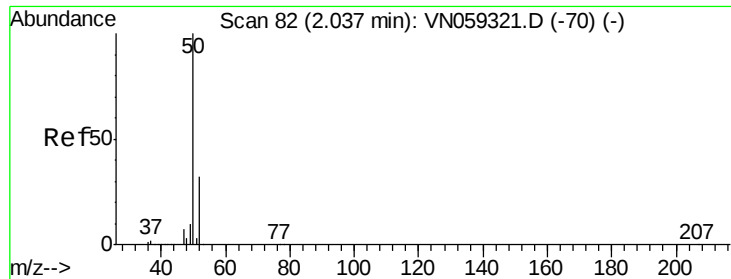
Tgt Ion: 85 Resp: 199533

Ion Ratio Lower Upper

85 100

87 32.0 16.0 48.0





#3

Chloromethane

Concen: 37.977 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 241691

Ion Ratio Lower Upper

50 100

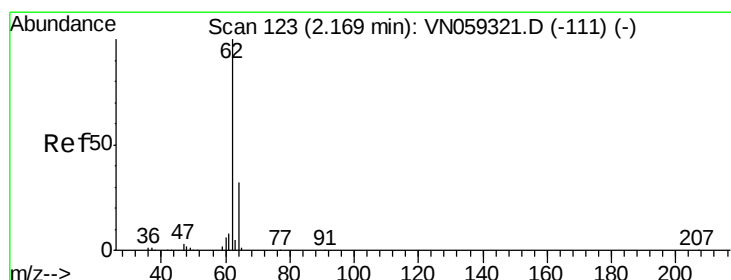
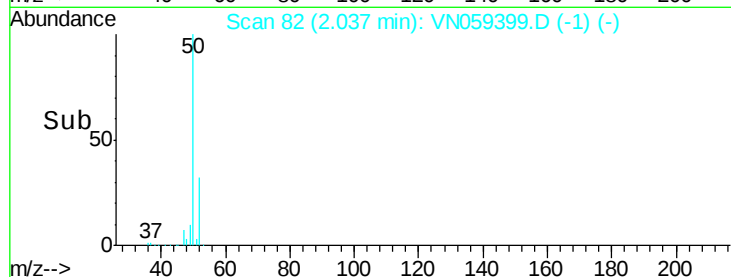
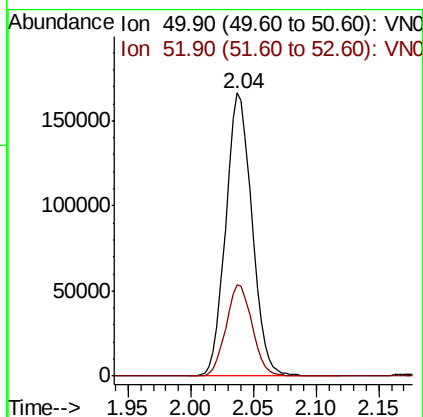
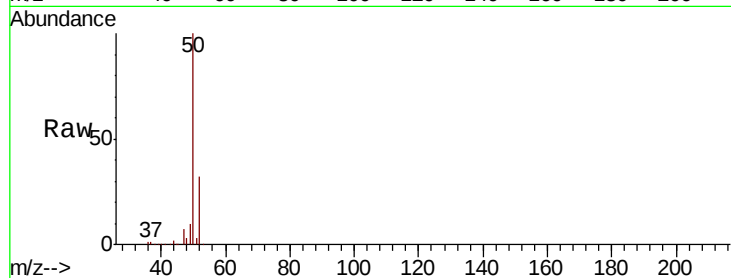
52 32.3 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 40.438 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059399.D

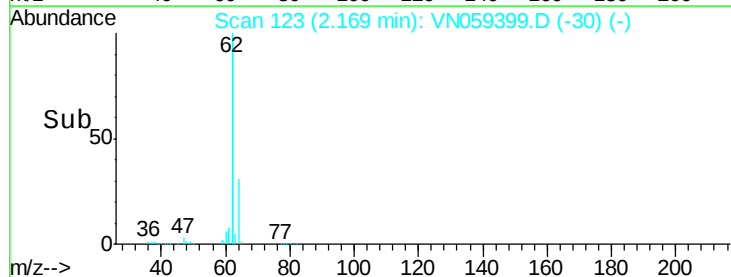
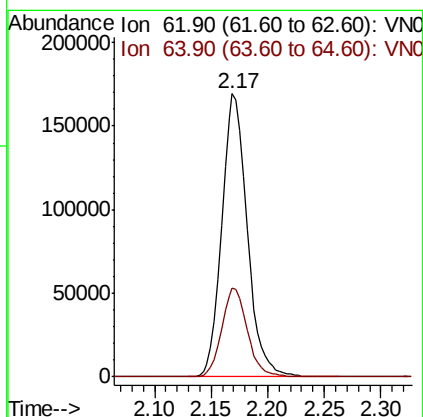
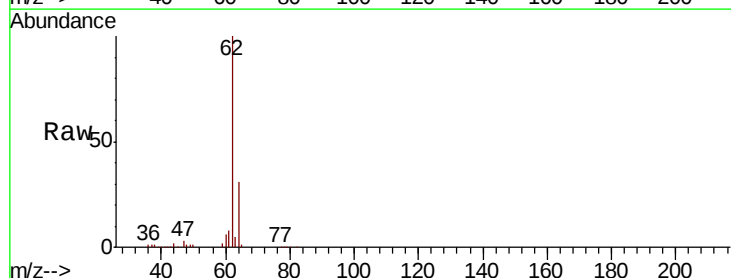
Acq: 26 Nov 2019 11:52

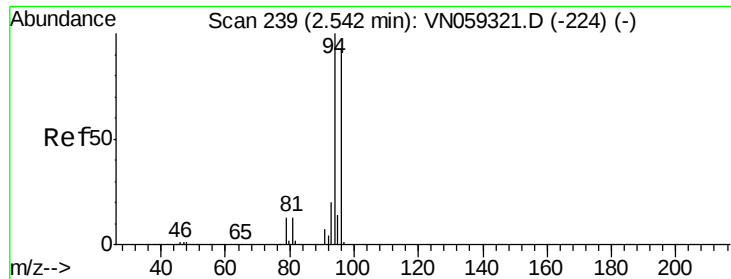
Tgt Ion: 62 Resp: 264964

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.0





#5

Bromomethane

Concen: 39.815 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 144835

Ion Ratio Lower Upper

94 100

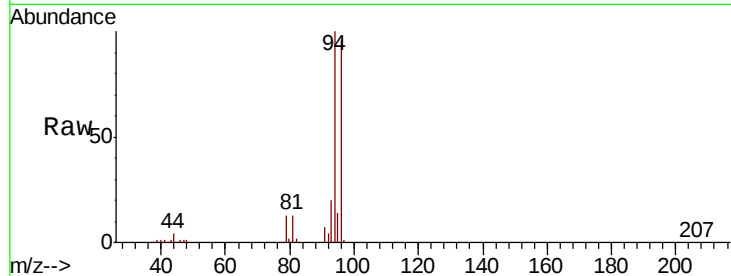
96 95.8 74.5 111.7

Manual Integrations

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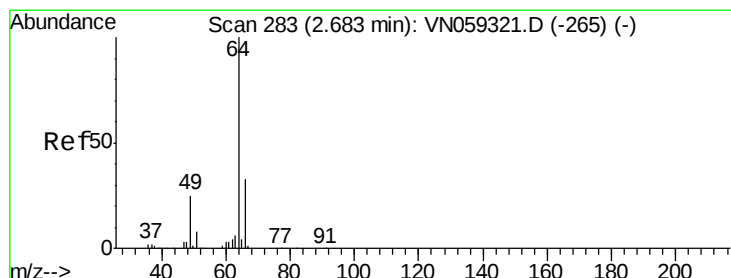
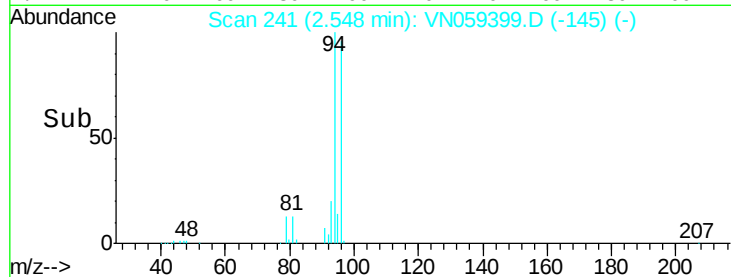
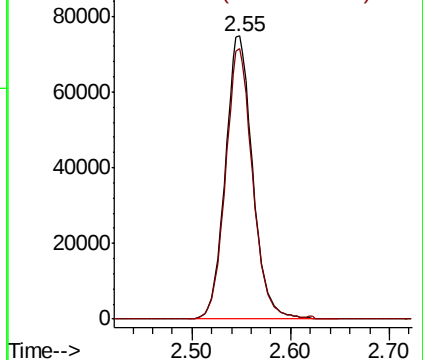
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 38.297 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059399.D

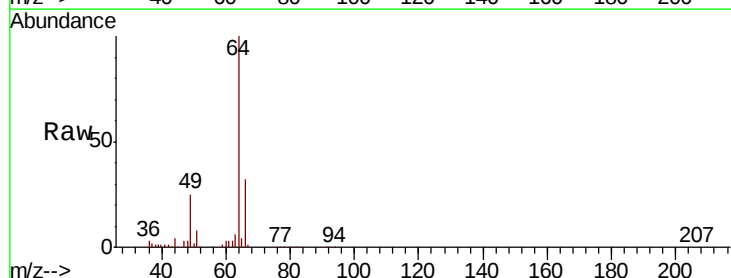
Acq: 26 Nov 2019 11:52

Tgt Ion: 64 Resp: 136952

Ion Ratio Lower Upper

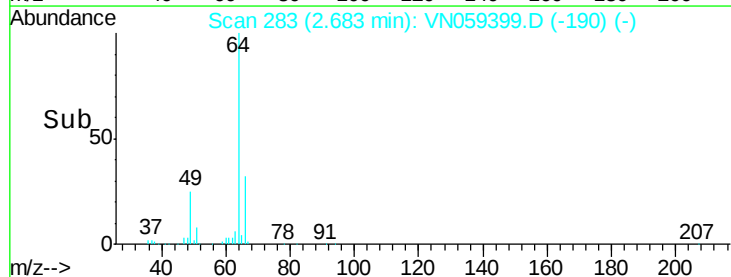
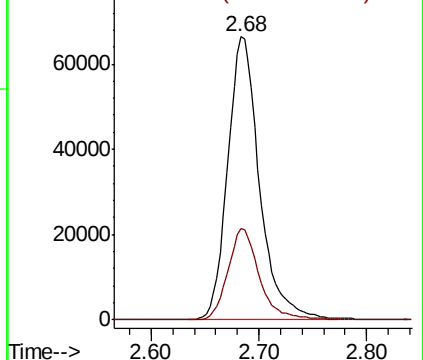
64 100

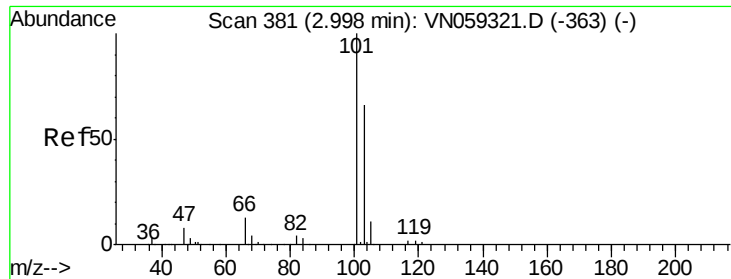
66 32.1 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

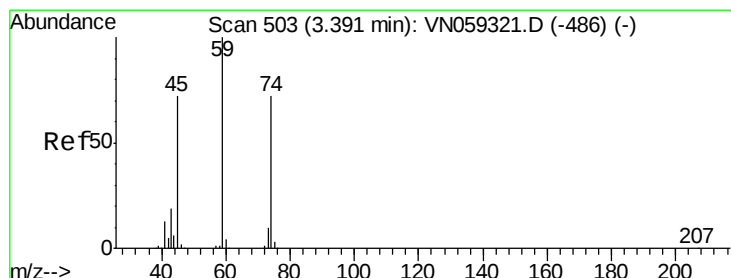
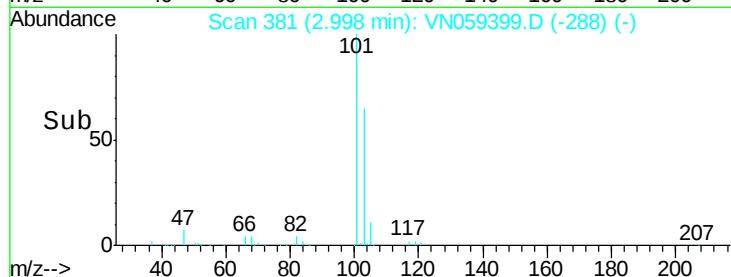
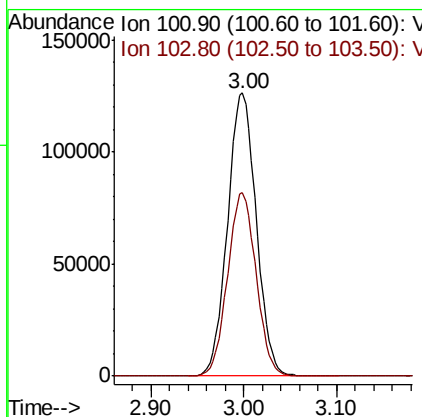
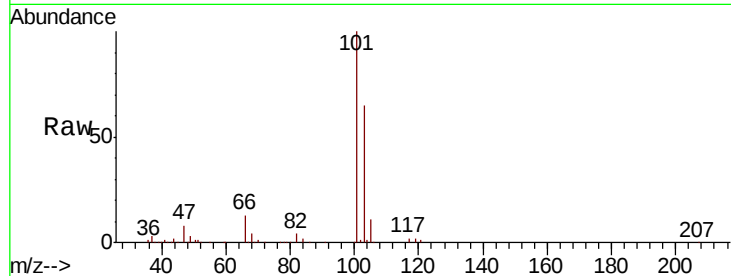
Trichlorofluoromethane
Concen: 38.551 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.5	78.7

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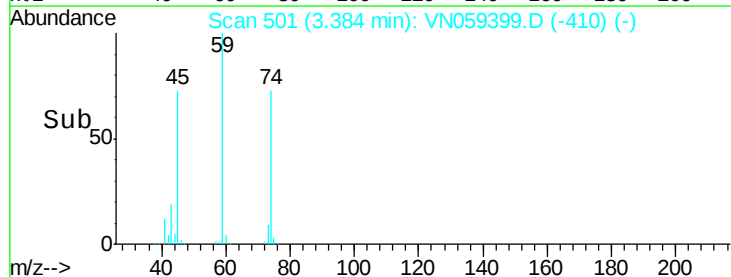
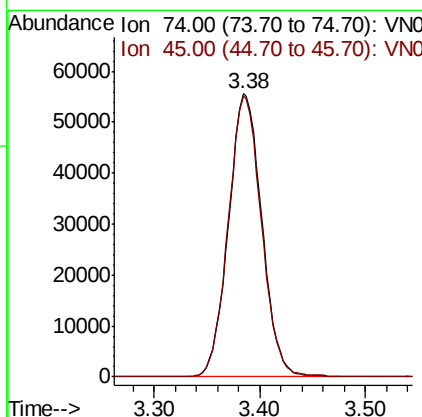
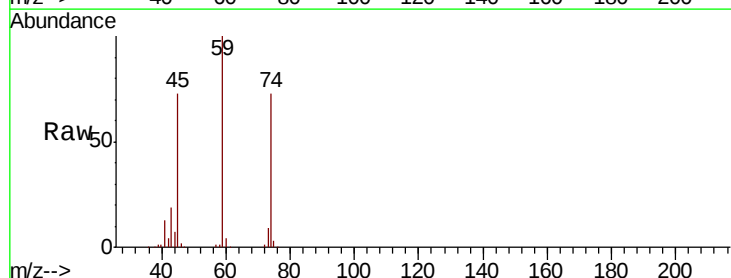
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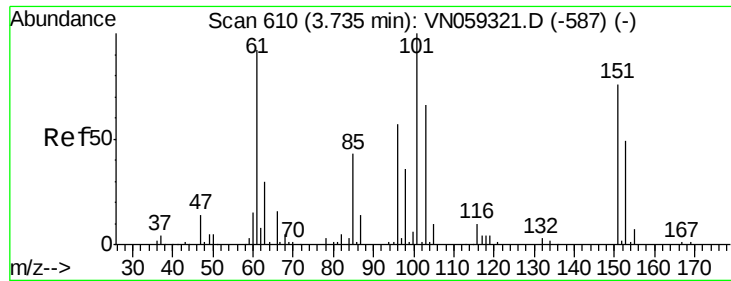


#8

Diethyl Ether
Concen: 42.191 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.01 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.9	51.7	155.2





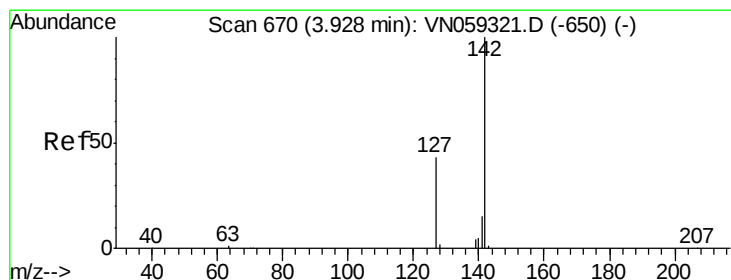
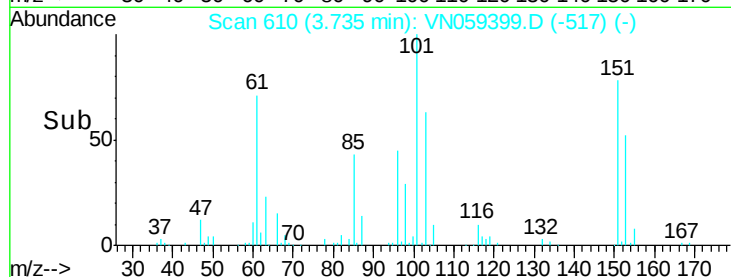
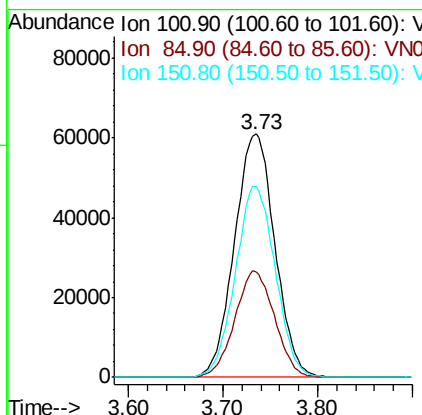
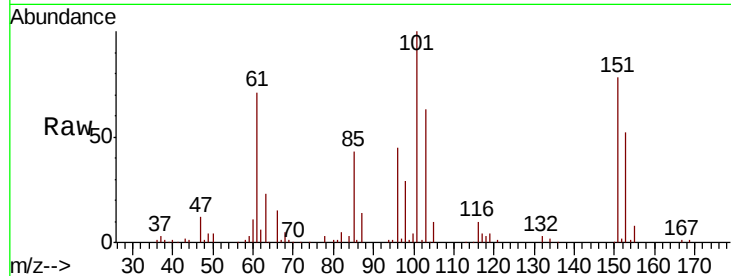
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 41.960 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN059399.D
 Acq: 26 Nov 2019 11:52

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 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.9	34.8	52.2
151	77.7	62.2	93.4

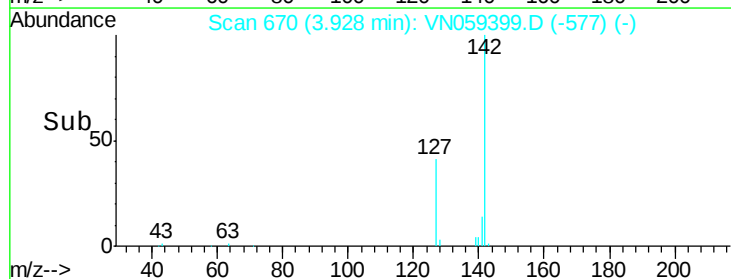
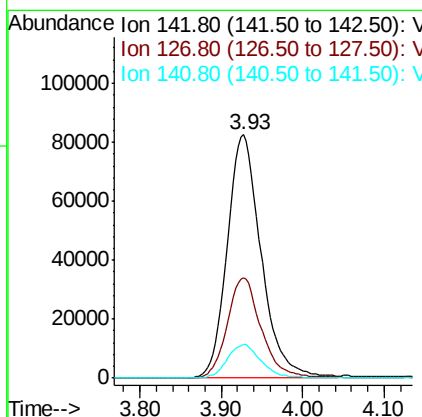
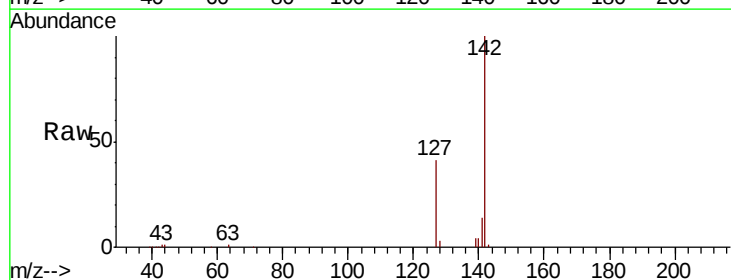
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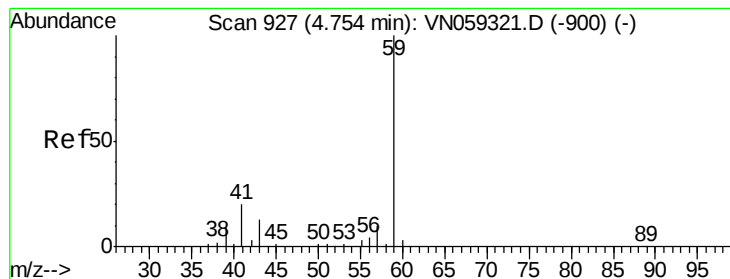
apatel
 11/27/2019 10:29:10 AM



#10
 Methyl Iodide
 Concen: 44.926 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: VN059399.D
 Acq: 26 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.2	33.8	50.6
141	13.8	11.2	16.8





#11

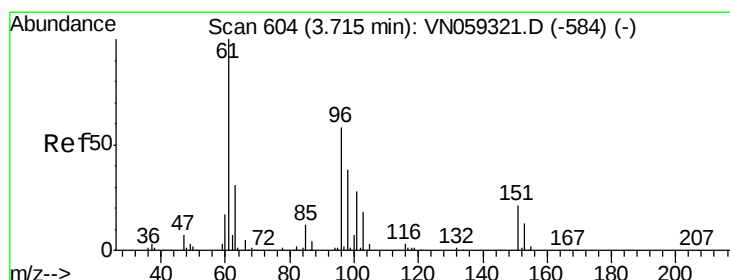
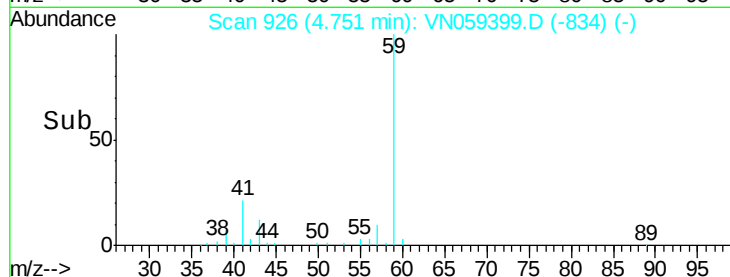
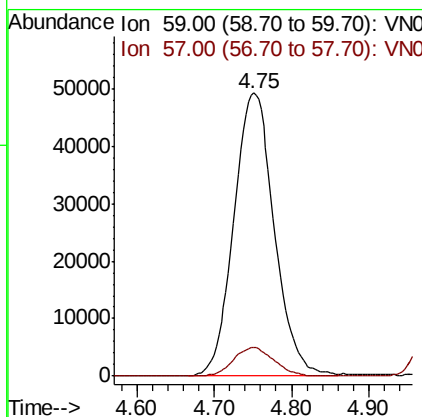
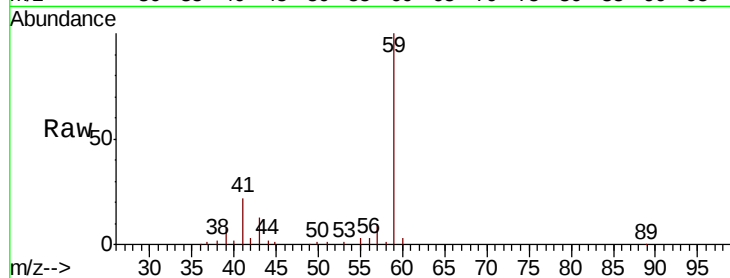
Tert butyl alcohol
Concen: 183.810 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.2

Manual Integrations
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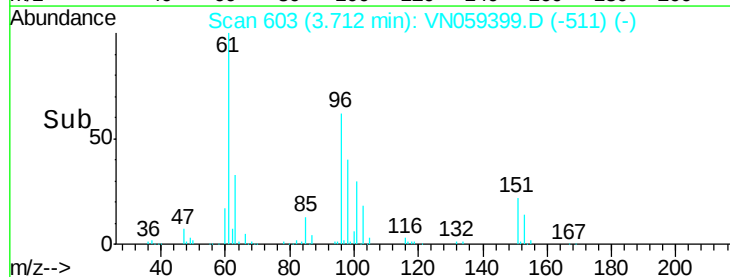
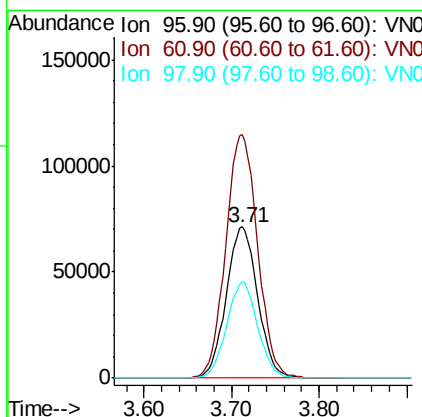
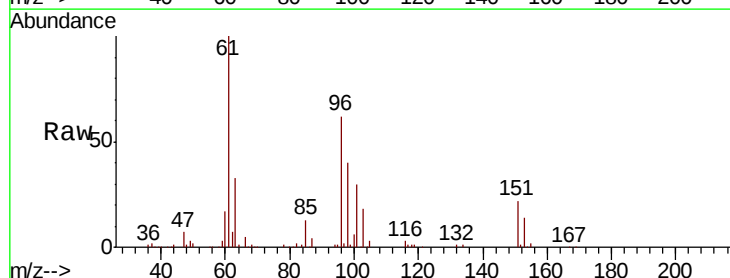
apatel
11/27/2019 10:29:10 AM

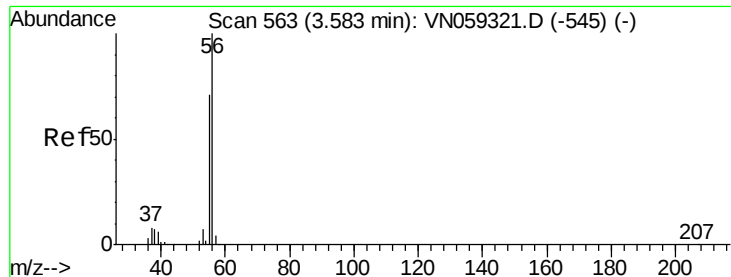


#12

1,1-Dichloroethene
Concen: 40.543 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.0	136.8	205.2
98	63.9	51.6	77.4





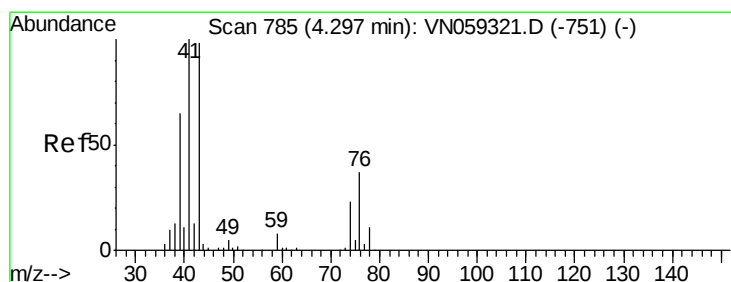
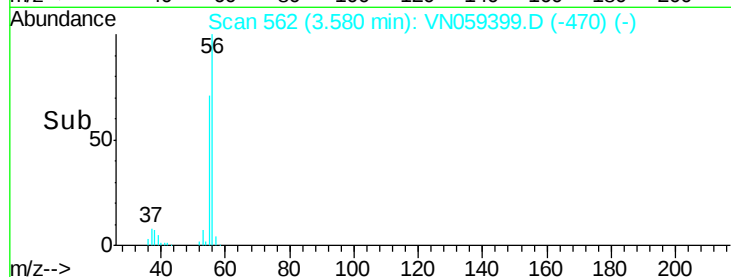
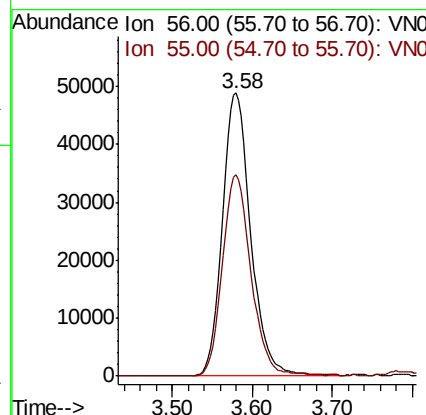
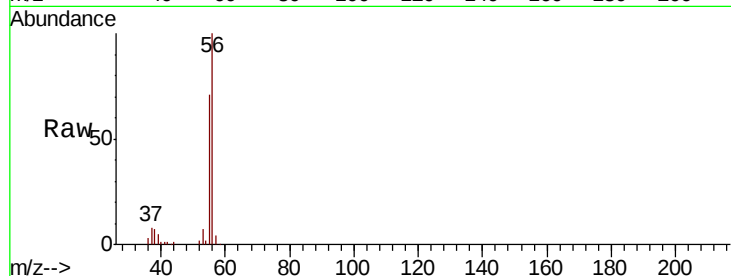
#13
Acrolein
Concen: 134.548 ug/l
RT: 3.58 min Scan# 562
Delta R.T. -0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.8	57.4	86.0

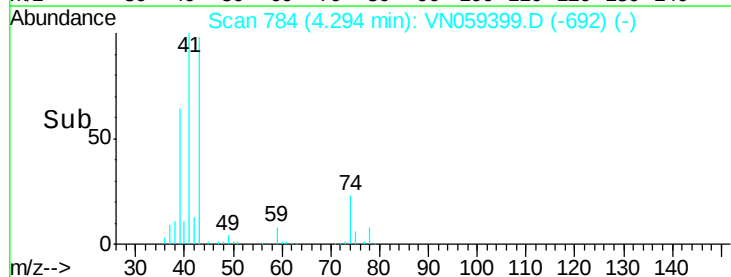
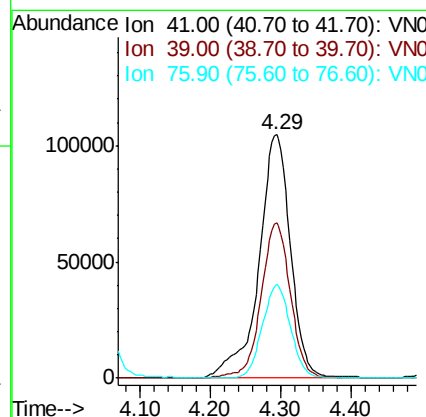
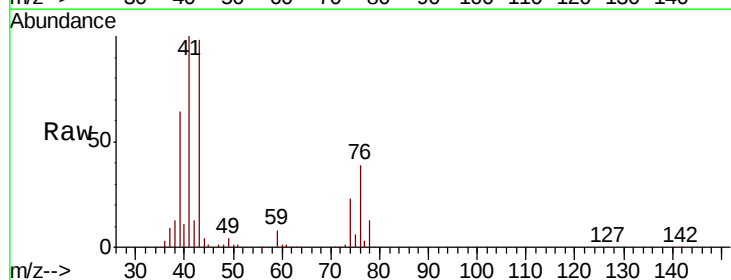
Manual Integrations
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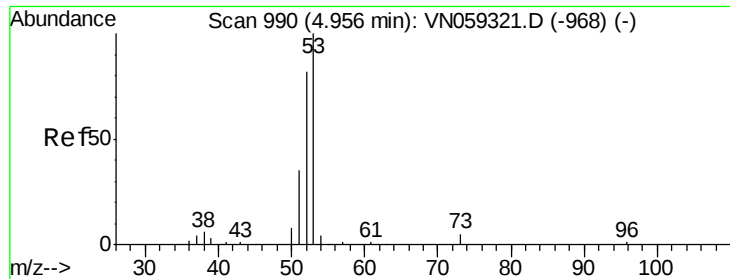
apatel
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#14
Allyl chloride
Concen: 40.142 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.4	48.4	72.6
76	34.3	26.2	39.4





#15

Acrylonitrile

Concen: 196.891 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.01 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

Instrument :

MSVOA_N

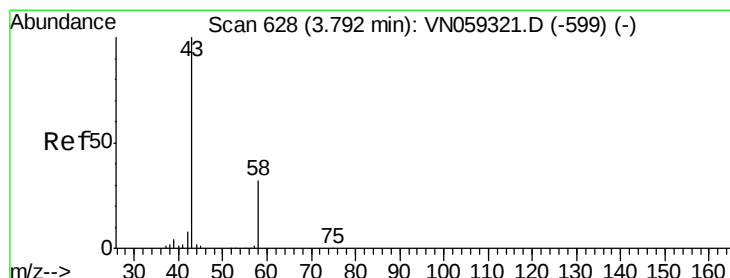
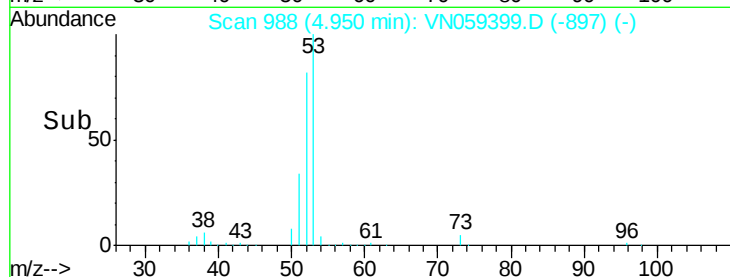
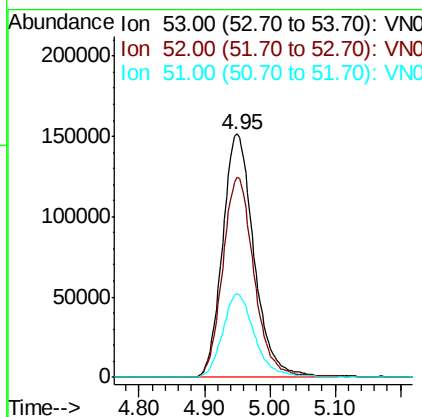
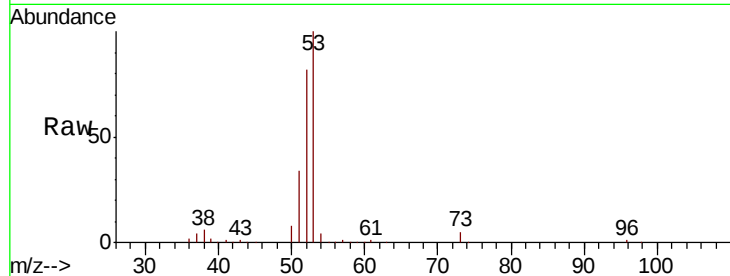
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	507459
Ion Ratio	Lower	Upper	
53	100		
52	82.0	65.8	98.8
51	35.0	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 253.714 ug/l

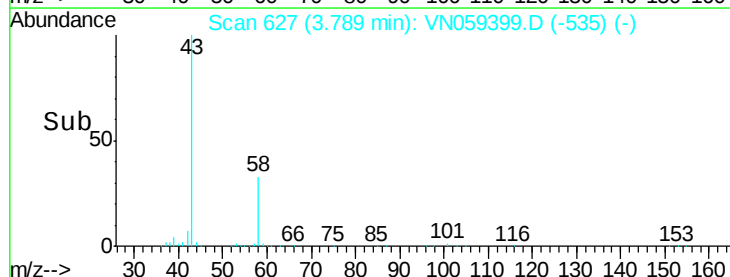
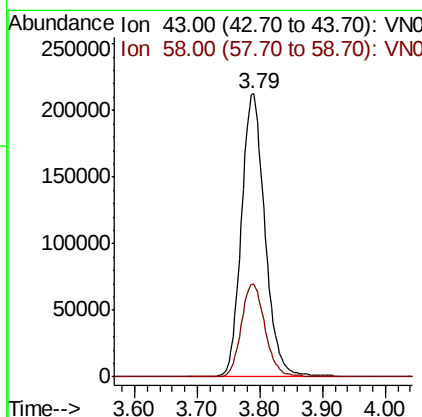
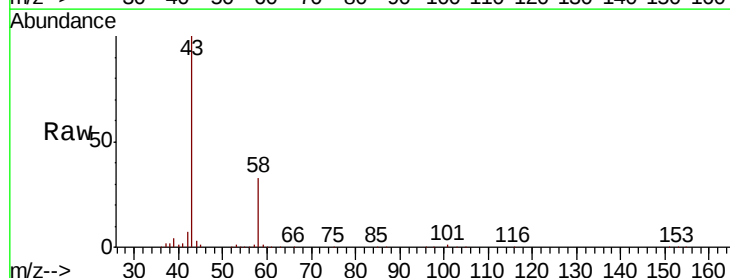
RT: 3.79 min Scan# 627

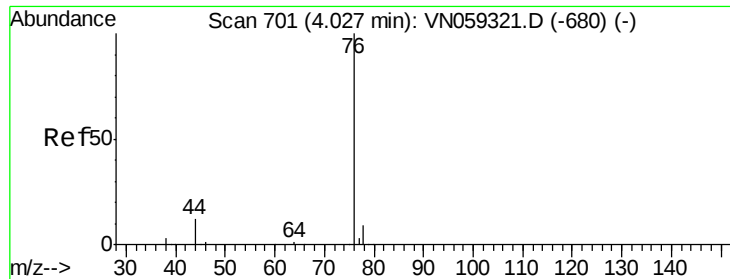
Delta R.T. -0.00 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

Tgt Ion:	43	Resp:	553871
Ion Ratio	Lower	Upper	
43	100		
58	32.8	25.8	38.6





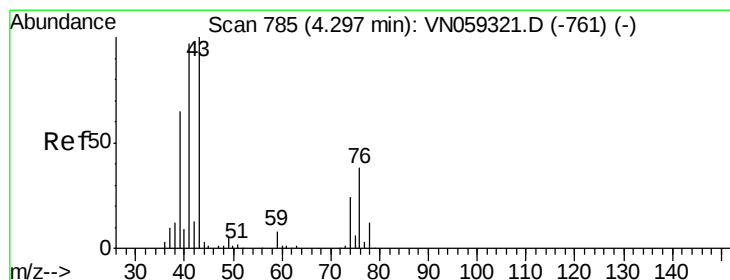
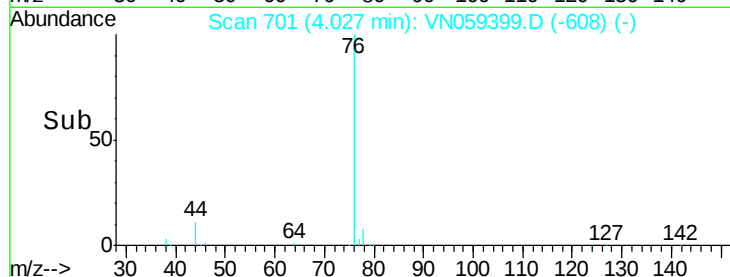
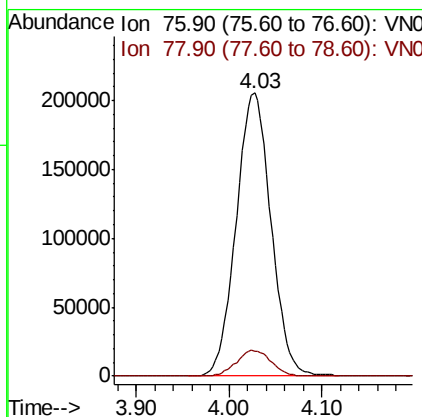
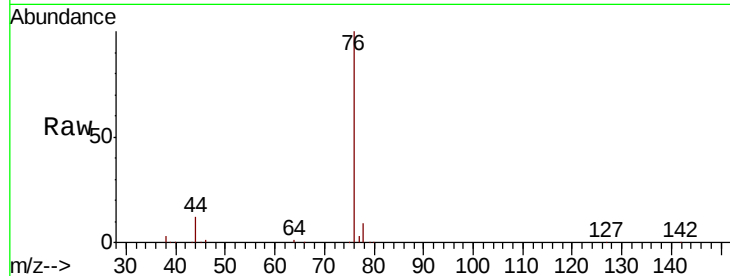
#17
Carbon Disulfide
Concen: 39.088 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 536085
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8

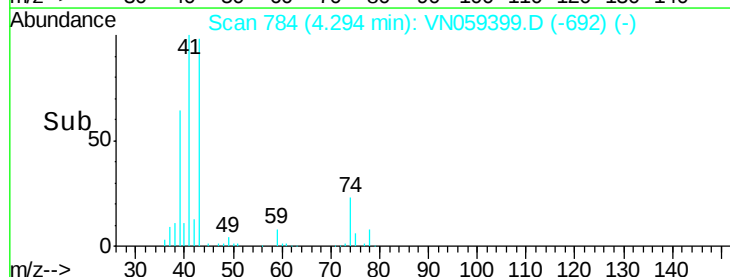
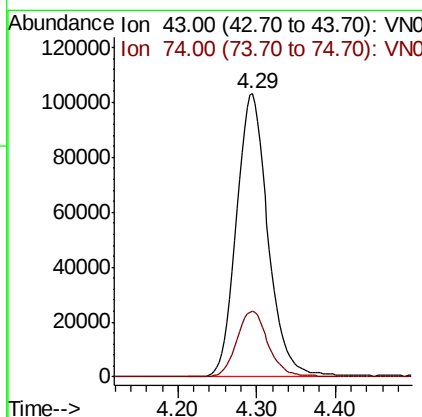
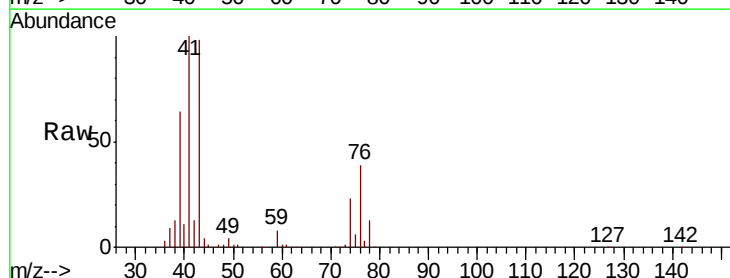
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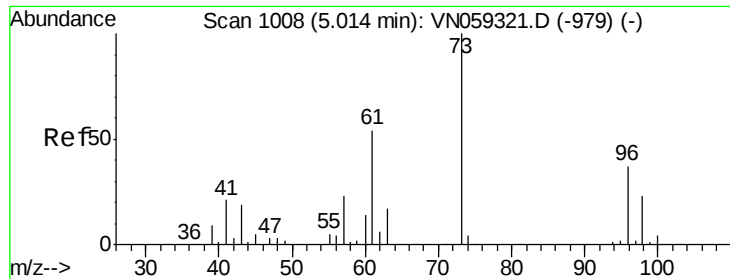
apatel
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#18
Methyl Acetate
Concen: 39.841 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Tgt Ion: 43 Resp: 288643
Ion Ratio Lower Upper
43 100
74 23.4 18.1 27.1





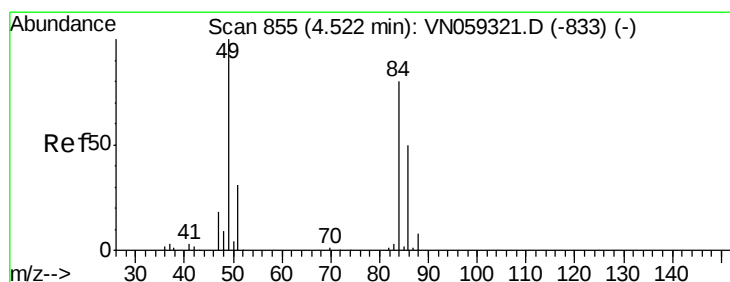
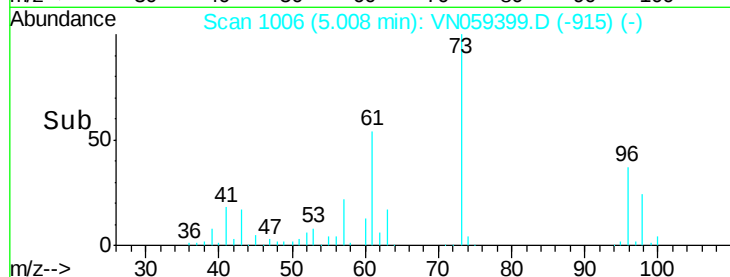
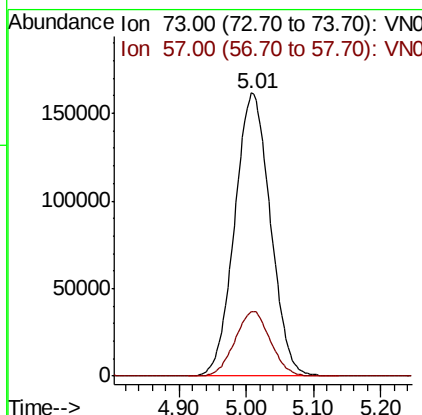
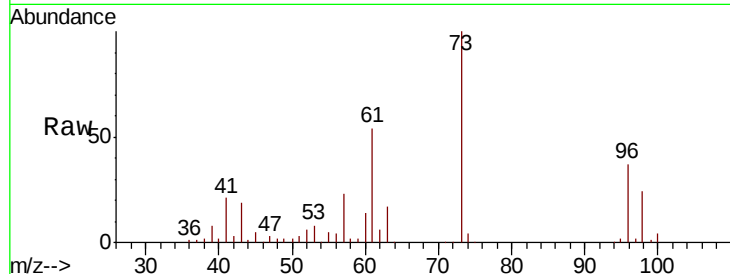
#19
Methyl tert-butyl Ether
Concen: 42.088 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 595354
Ion Ratio Lower Upper
73 100
57 22.6 18.4 27.6

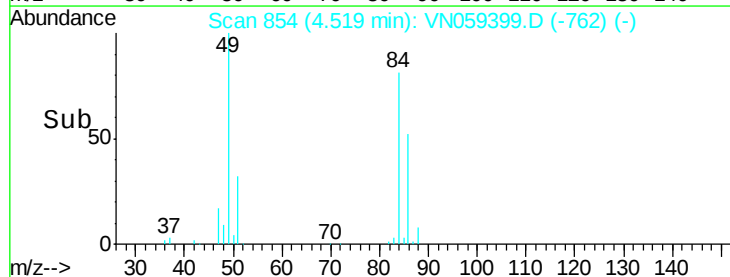
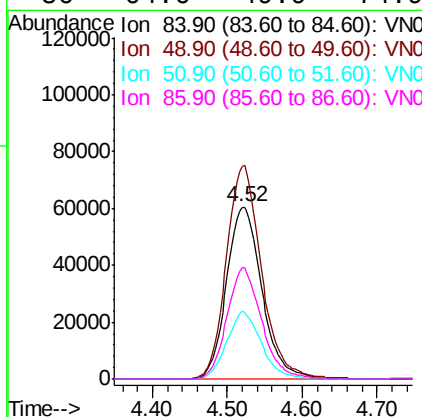
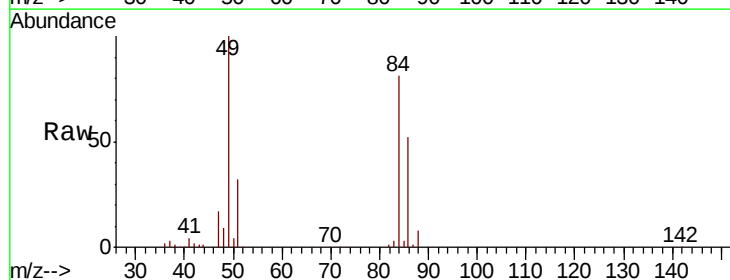
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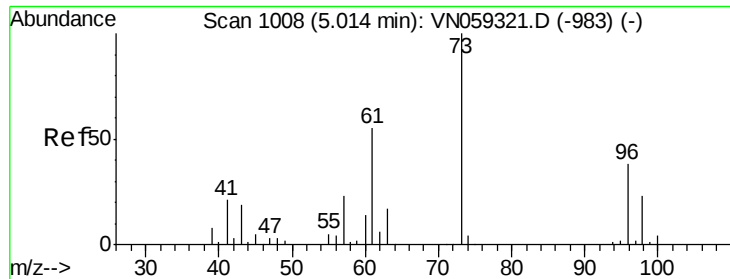
apatel
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#20
Methylene Chloride
Concen: 40.409 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Tgt Ion: 84 Resp: 198957
Ion Ratio Lower Upper
84 100
49 123.9 99.5 149.3
51 39.2 31.1 46.7
86 64.6 49.9 74.9





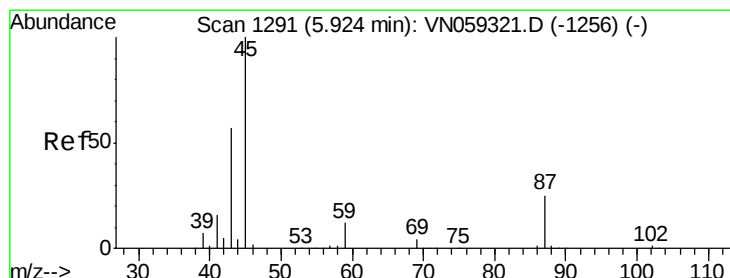
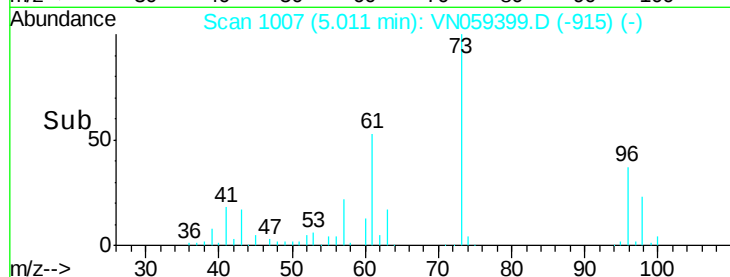
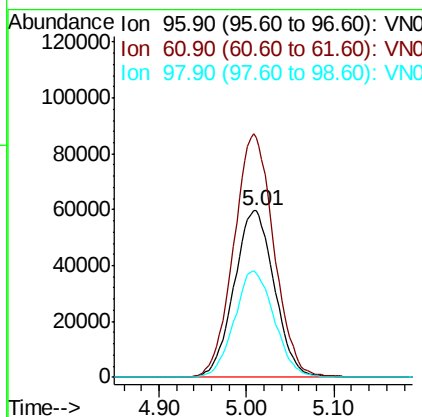
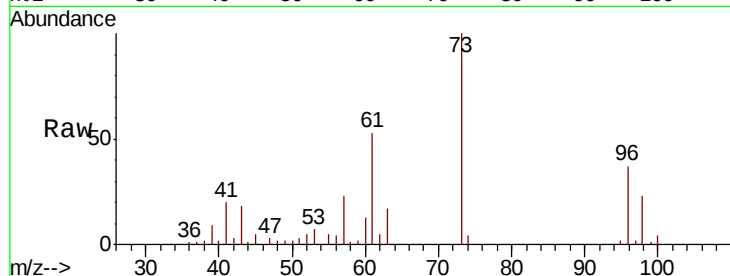
#21
trans-1,2-Dichloroethene
Concen: 41.108 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.7	116.4	174.6
98	62.9	49.6	74.4

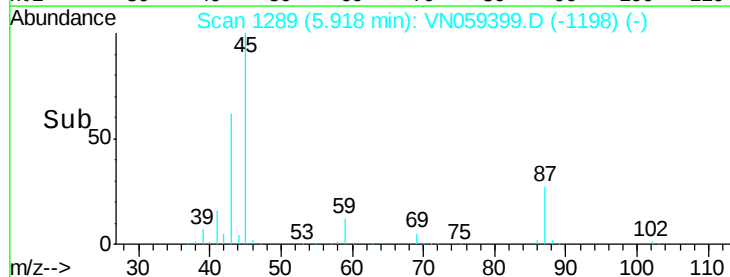
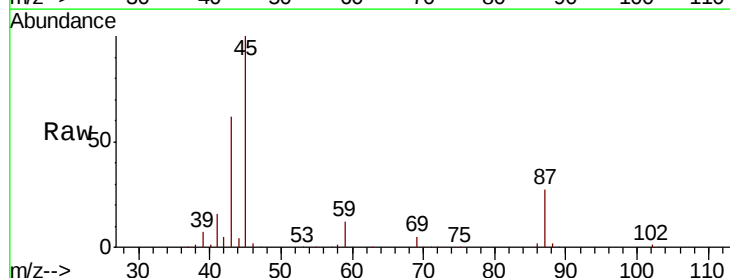
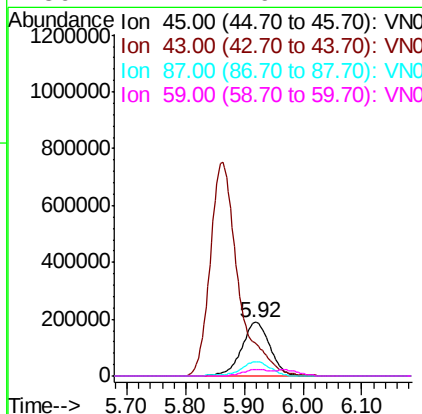
Manual Integrations
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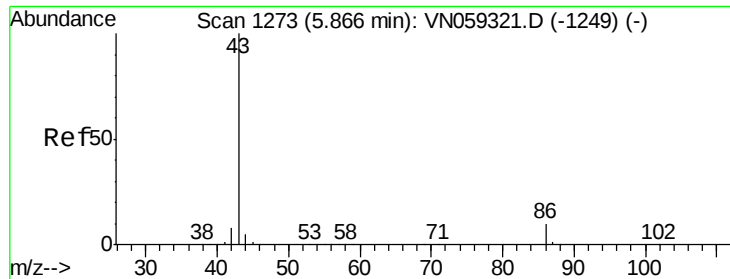
apatel
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#22
Diisopropyl ether
Concen: 41.222 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. -0.01 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.3	47.6	71.4
87	26.7	20.7	31.1
59	12.1	9.4	14.2





#23

Vinyl Acetate

Concen: 207.470 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2513184

Ion Ratio Lower Upper

43 100

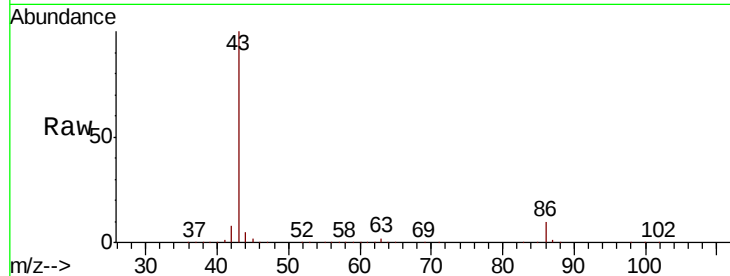
86 10.2 8.0 12.0

Manual Integrations

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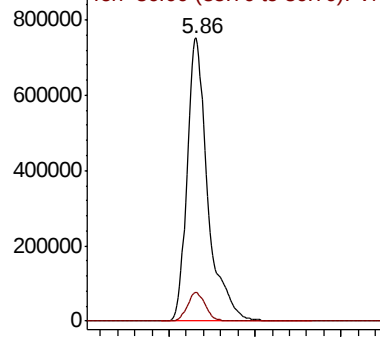
apatel

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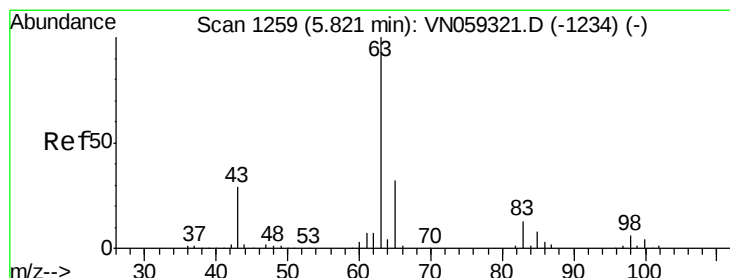
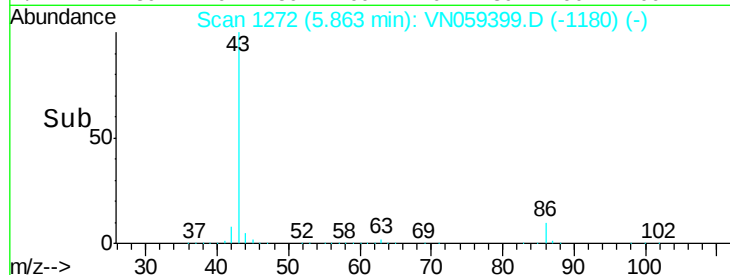


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 41.649 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

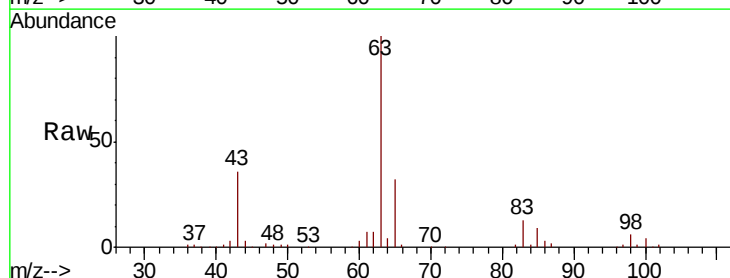
Tgt Ion: 63 Resp: 361122

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

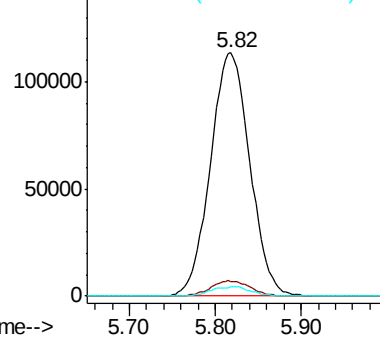
100 3.6 1.9 5.7



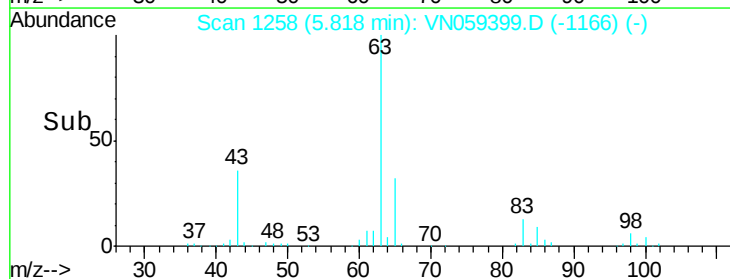
Abundance Ion 62.90 (62.60 to 63.60): VN0

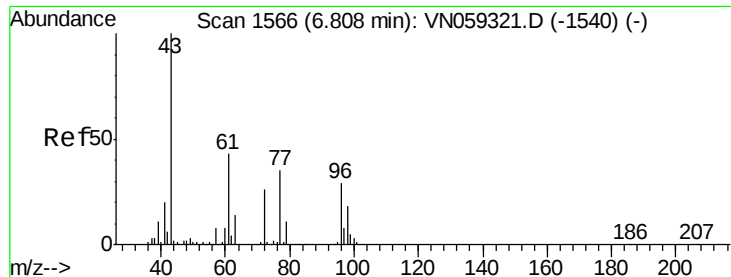
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 211.100 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 716607

Ion Ratio Lower Upper

43 100

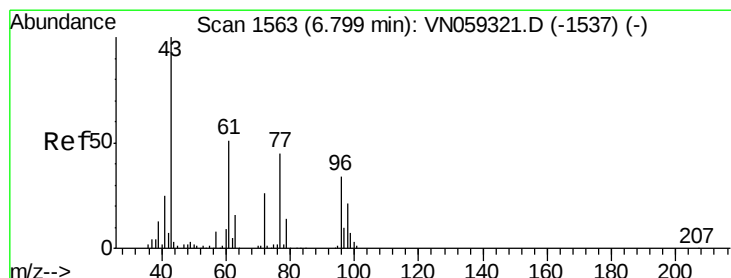
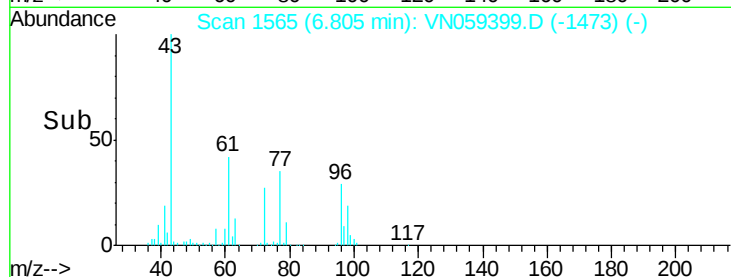
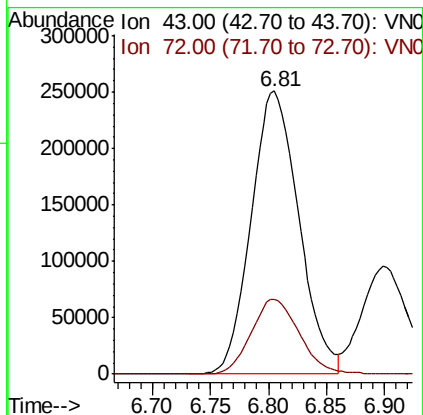
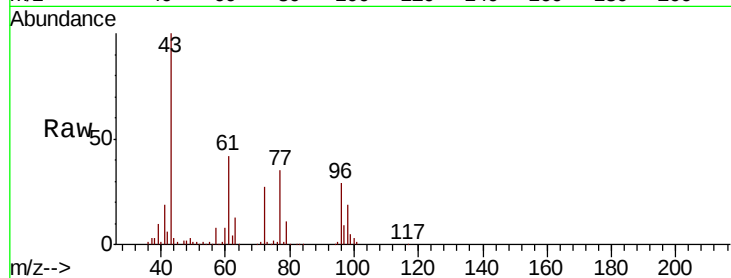
72 26.5 20.5 30.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 41.236 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059399.D

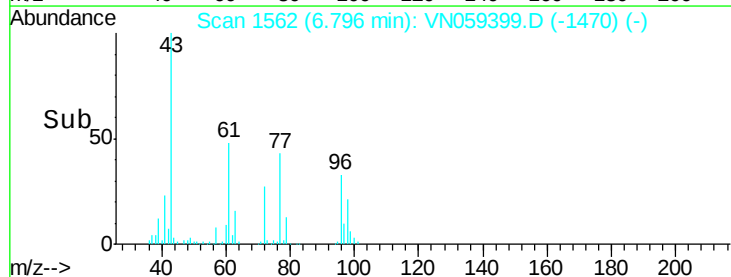
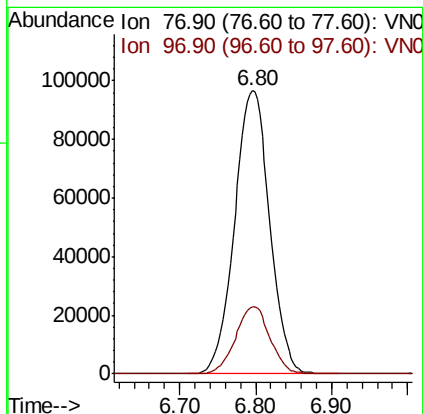
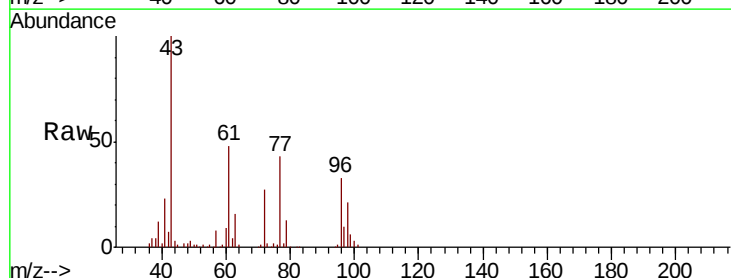
Acq: 26 Nov 2019 11:52

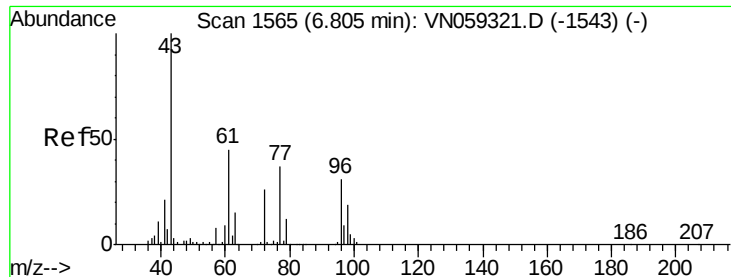
Tgt Ion: 77 Resp: 309594

Ion Ratio Lower Upper

77 100

97 23.2 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 41.538 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

Instrument :

MSVOA_N

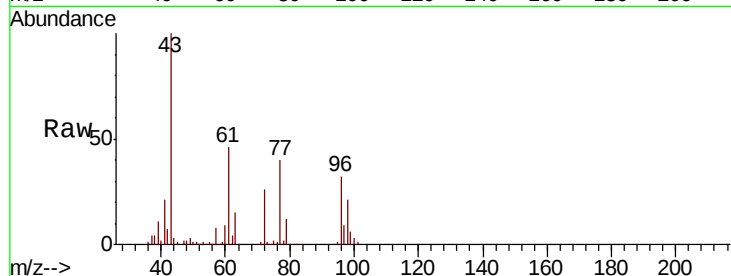
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	217530
Ion	Ratio	Lower	Upper
96	100		
61	148.7	0.0	304.0
98	65.1	0.0	128.4

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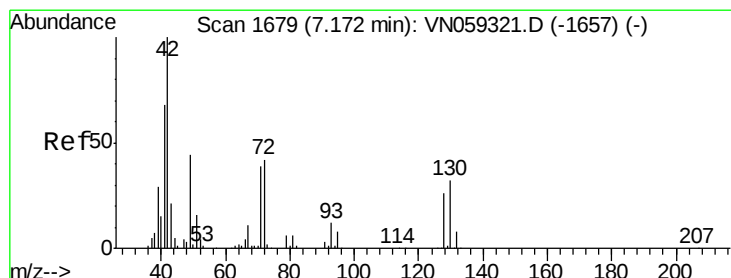
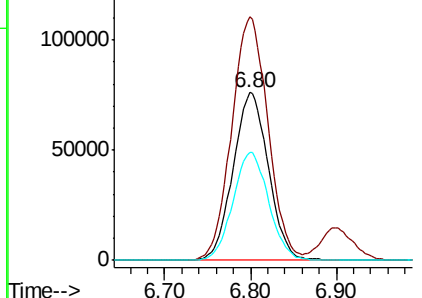
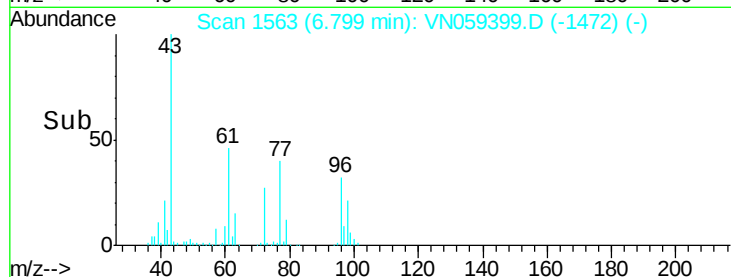


Abundance Ion 95.90 (95.60 to 96.60): VN059399.D (-1472) (-)

Ion 60.90 (60.60 to 61.60): VN059399.D (-1472) (-)

Ion 97.90 (97.60 to 98.60): VN059399.D (-1472) (-)

Time-->



#28

Bromochloromethane

Concen: 45.273 ug/l

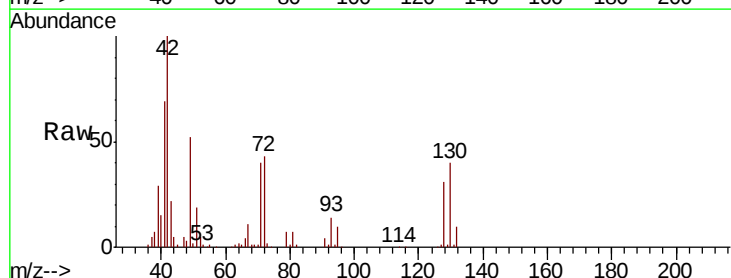
RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

Tgt Ion:	49	Resp:	159074
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	75.3	57.0	85.6

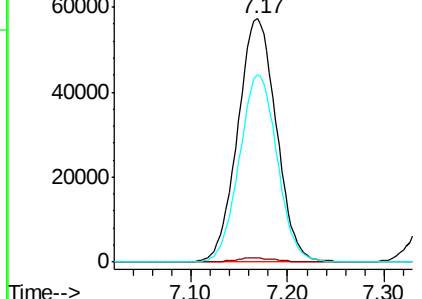
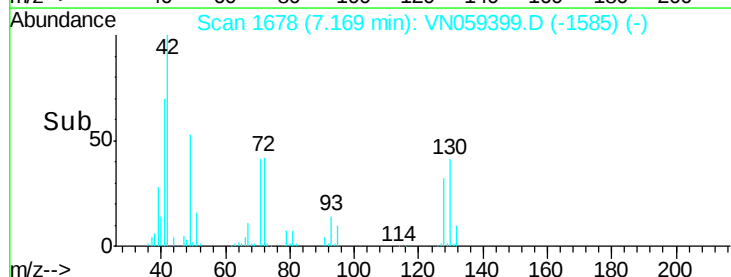


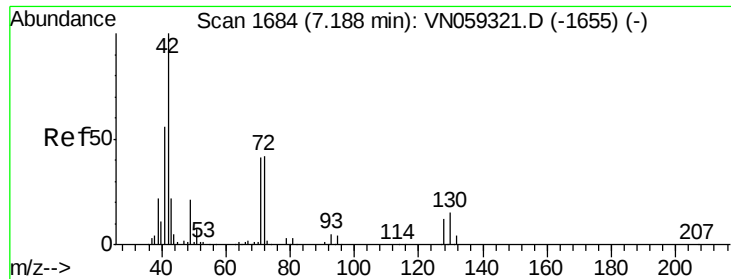
Abundance Ion 48.90 (48.60 to 49.60): VN059399.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN059399.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN059399.D (-1585) (-)

Time-->





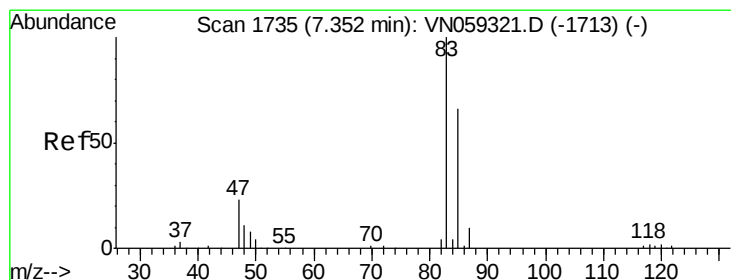
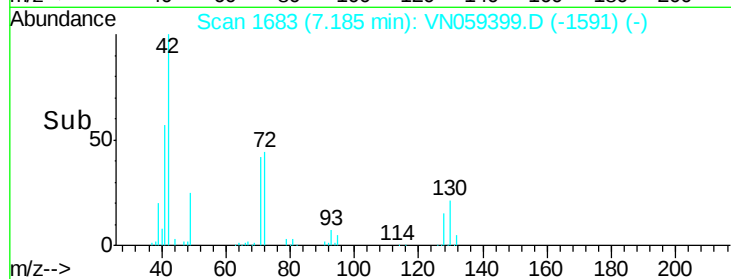
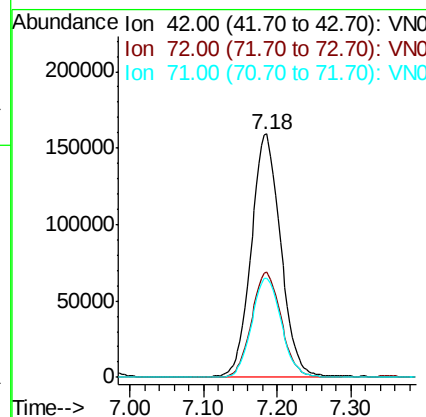
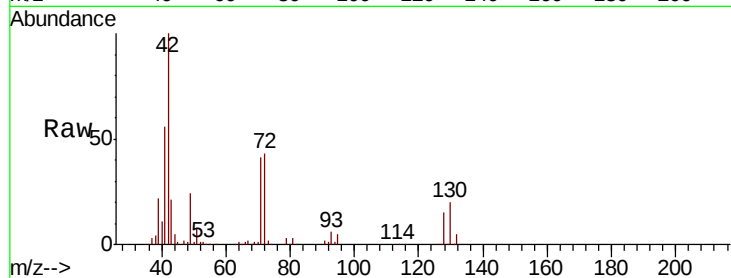
#29
Tetrahydrofuran
Concen: 189.631 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.2	51.2
71	41.1	32.6	48.8

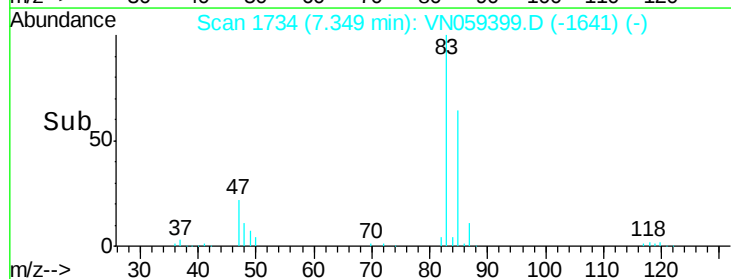
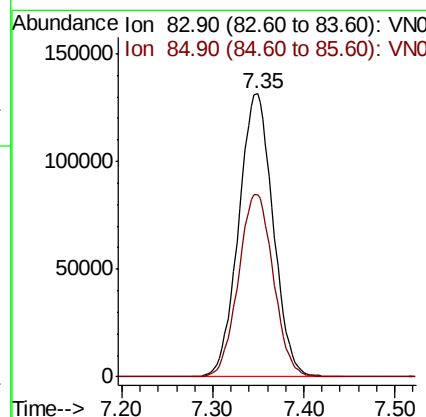
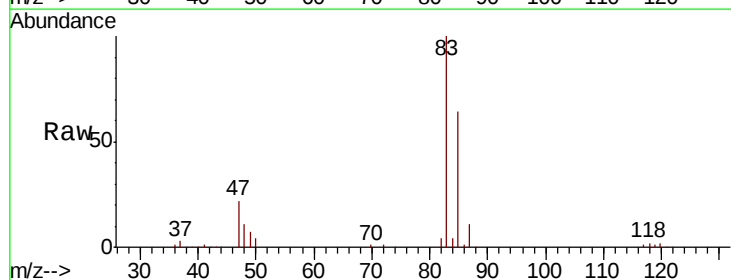
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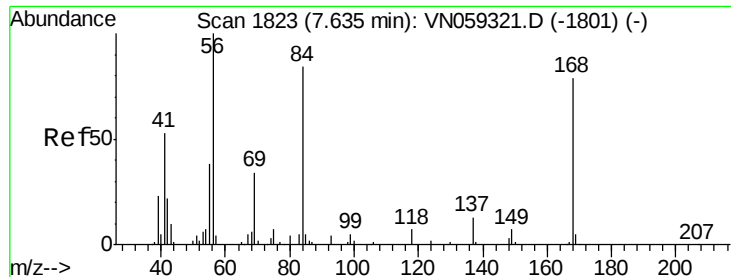
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#30
Chloroform
Concen: 41.047 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.7	79.1





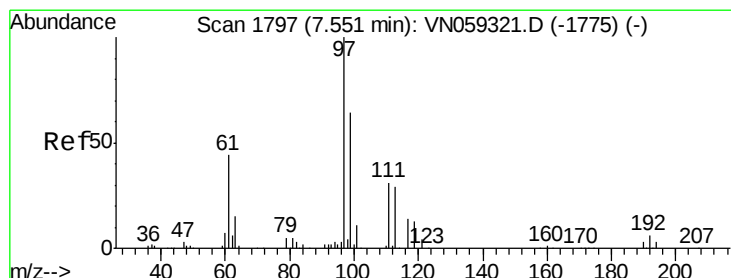
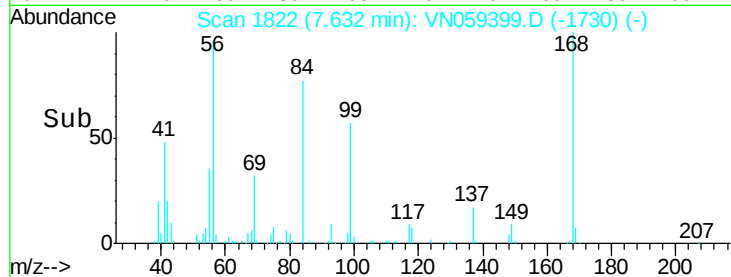
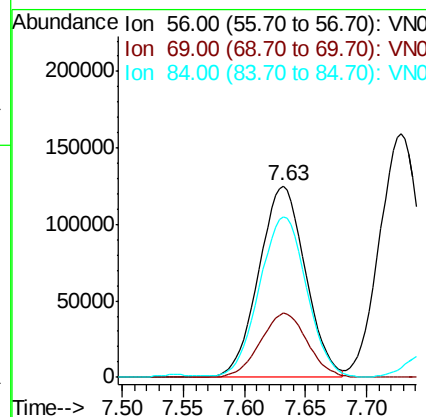
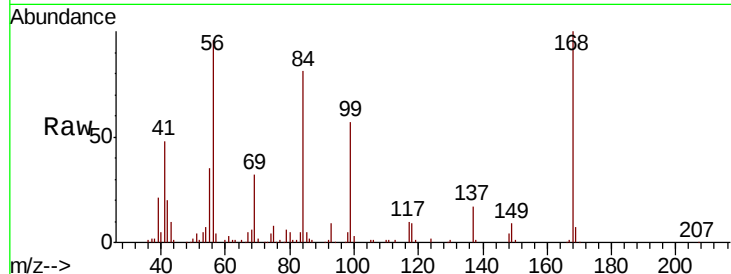
#31
Cyclohexane
Concen: 38.719 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	26.6	40.0
84	82.9	67.0	100.4

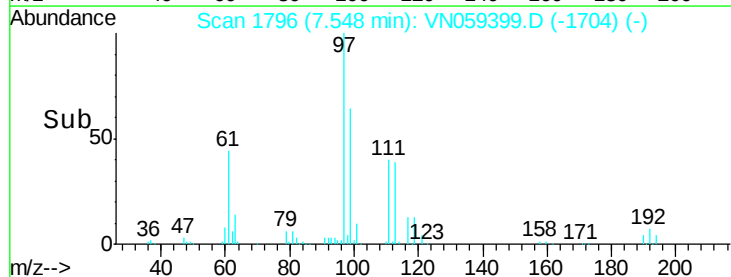
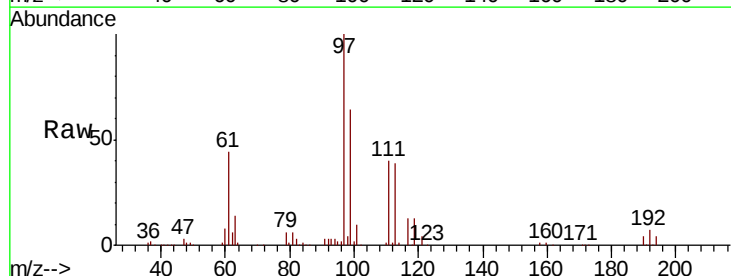
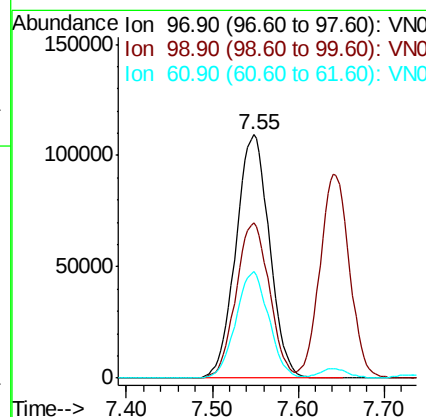
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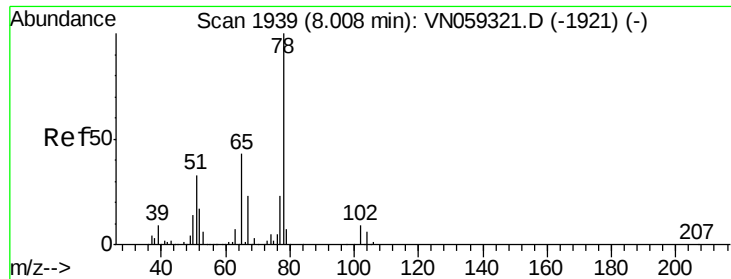
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#32
1,1,1-Trichloroethane
Concen: 41.044 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.3	76.9
61	43.0	35.3	52.9





#33

1,2-Dichloroethane-d4

Concen: 49.861 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 242759

Ion Ratio Lower Upper

65 100

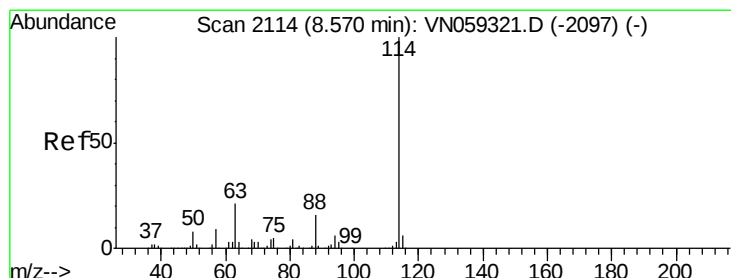
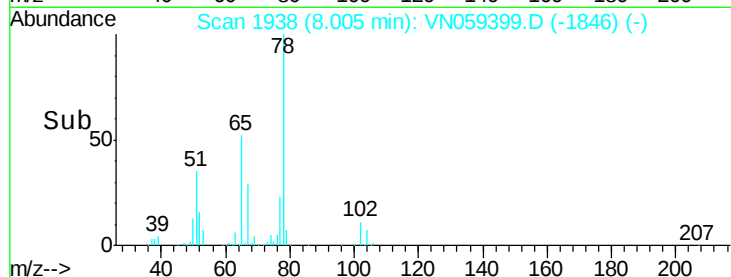
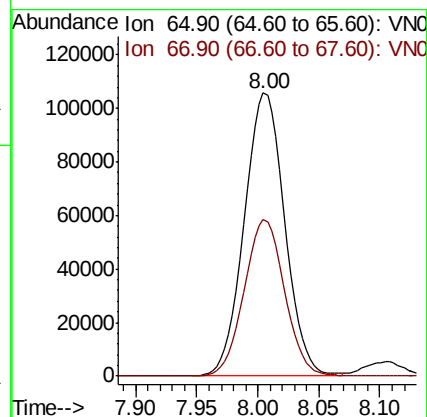
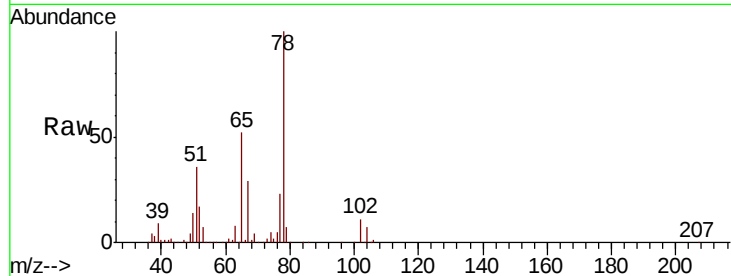
67 55.2 0.0 109.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

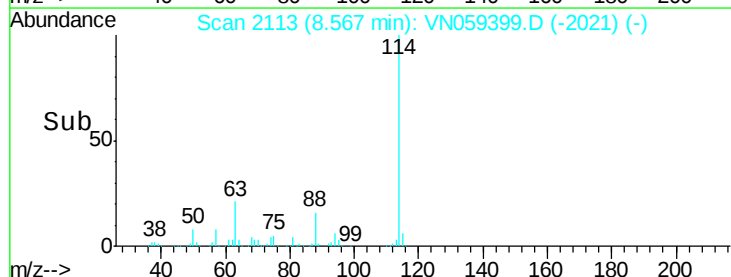
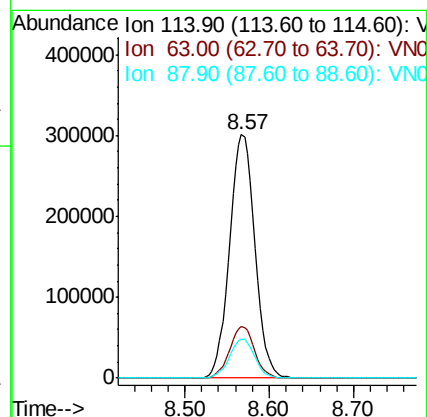
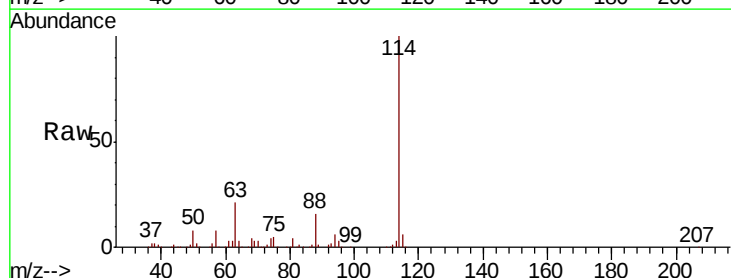
Tgt Ion: 114 Resp: 627961

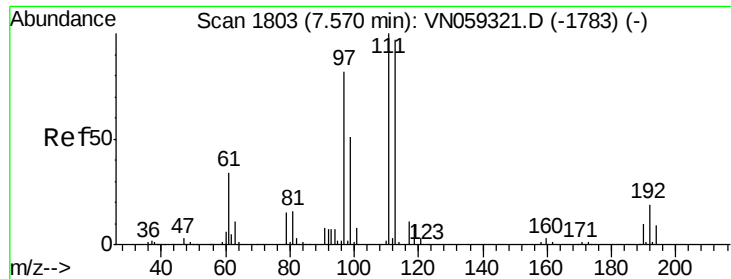
Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.2

88 16.0 0.0 32.2





#35

Dibromofluoromethane

Concen: 53.587 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

Instrument :

MSVOA_N

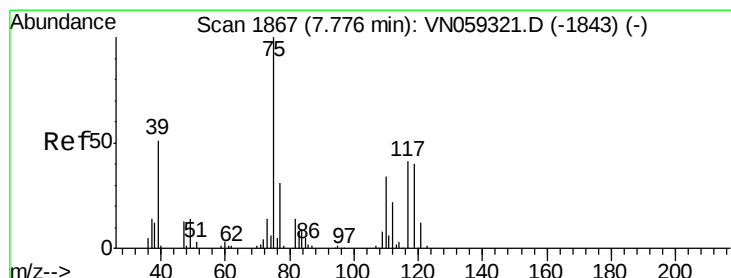
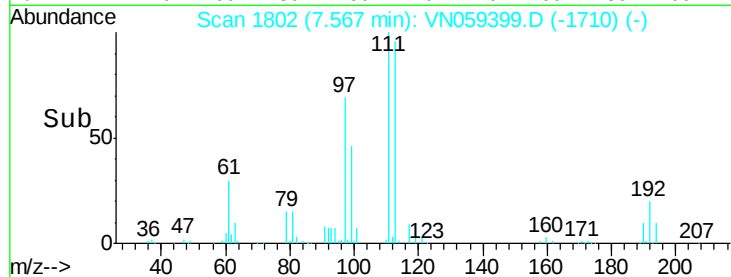
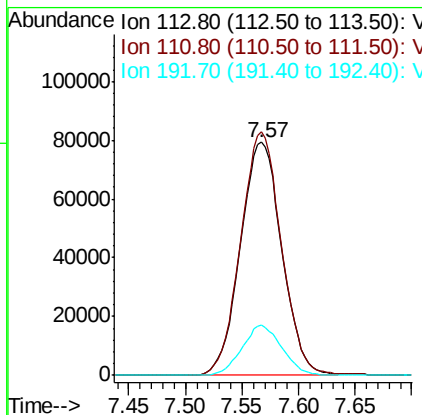
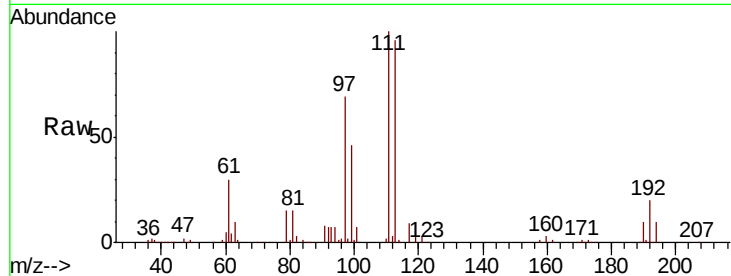
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	201886
Ion Ratio	Lower	Upper	
113	100		
111	103.0	82.7	124.1
192	20.7	16.3	24.5

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#36

1,1-Dichloropropene

Concen: 41.898 ug/l

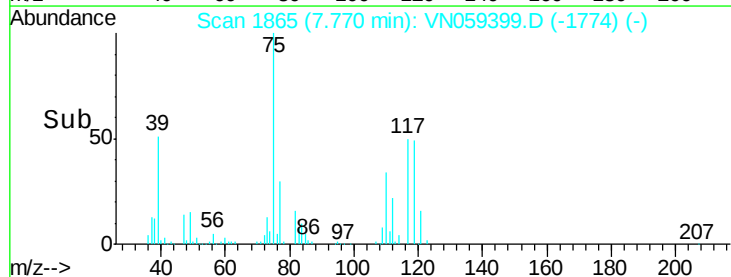
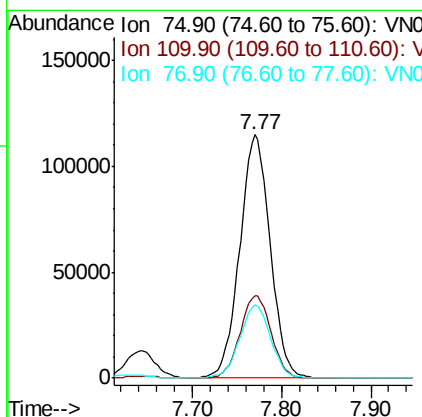
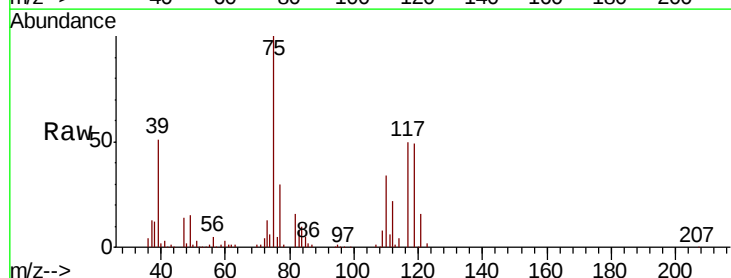
RT: 7.77 min Scan# 1865

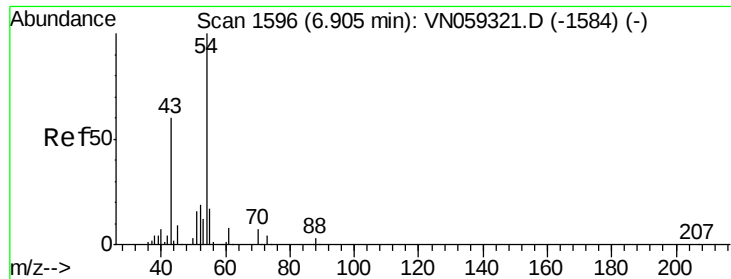
Delta R.T. -0.01 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

Tgt Ion:	75	Resp:	271610
Ion Ratio	Lower	Upper	
75	100		
110	34.7	17.0	51.0
77	30.9	24.8	37.2





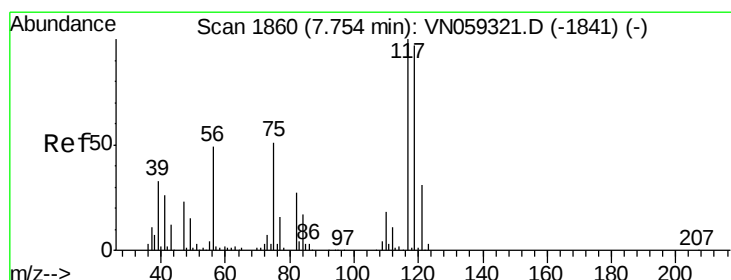
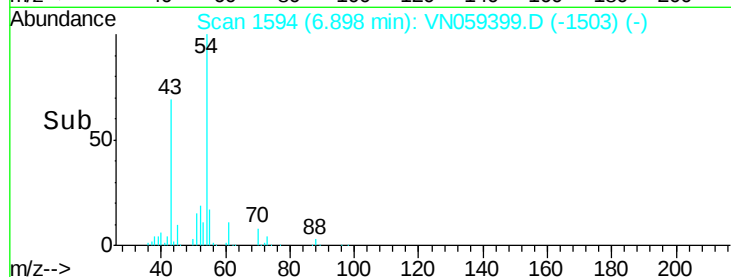
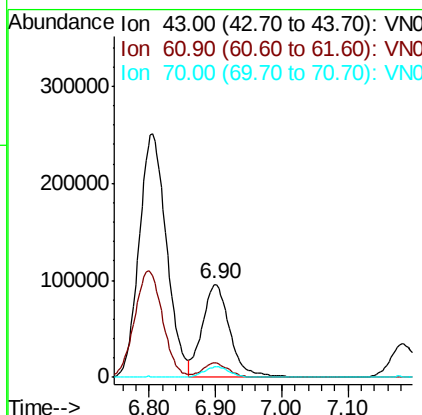
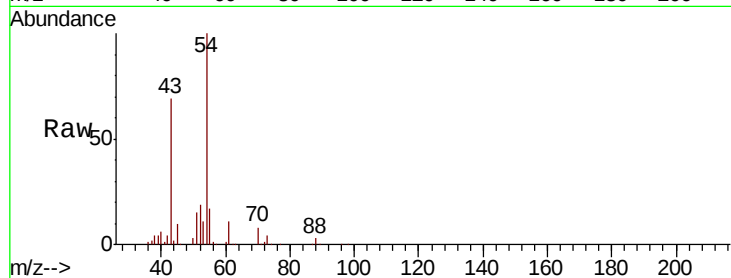
#37
Ethyl Acetate
Concen: 39.332 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.01 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.6
70	10.8	8.8	13.2

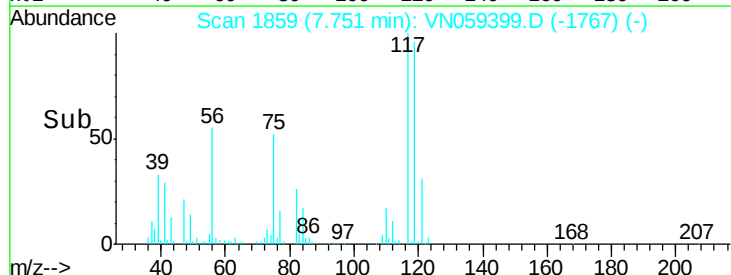
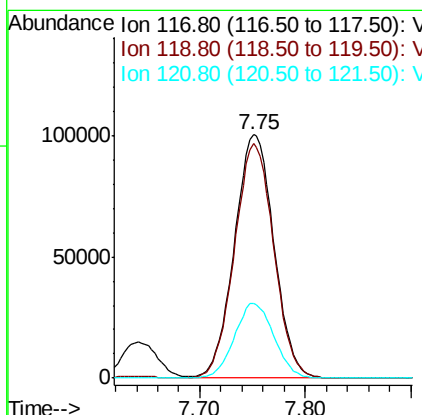
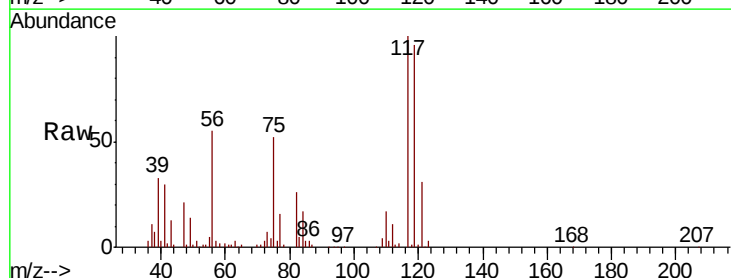
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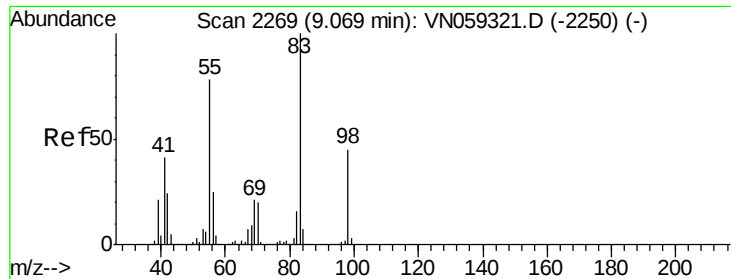
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#38
Carbon Tetrachloride
Concen: 42.152 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.0	115.4
121	30.8	24.4	36.6





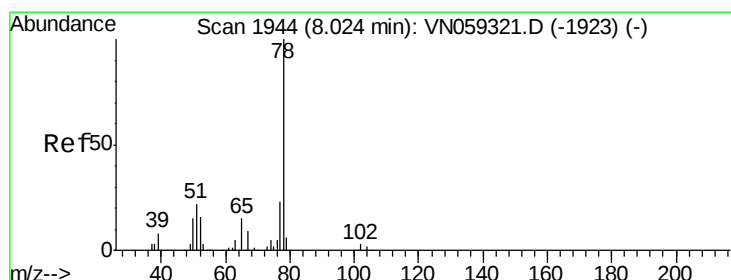
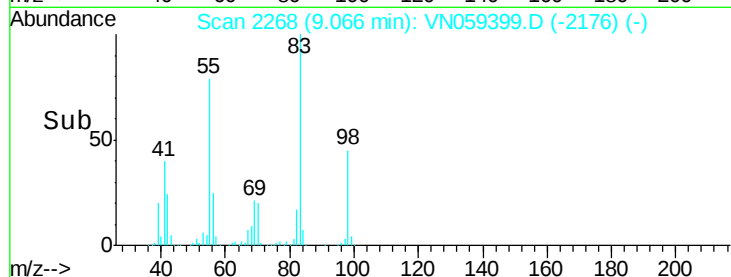
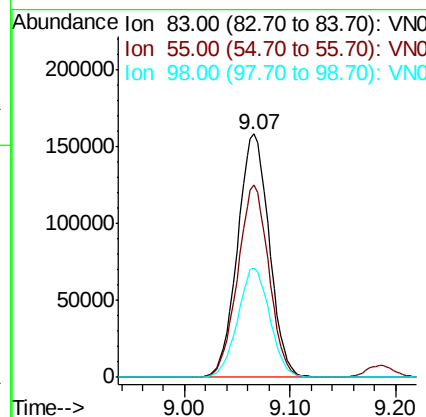
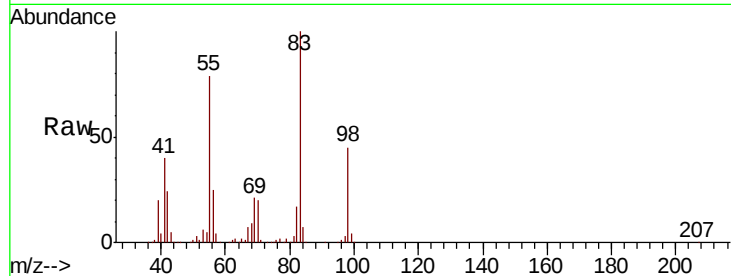
#39
Methvlcvclohexane
Concen: 42.121 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.8	62.3	93.5
98	44.9	36.0	54.0

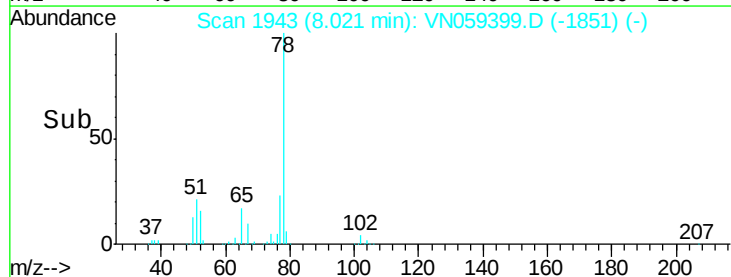
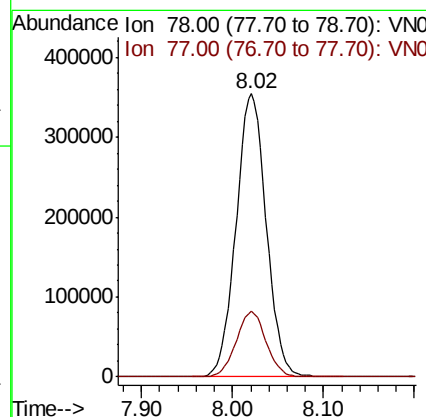
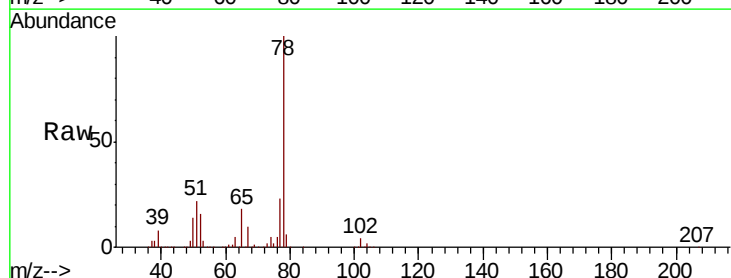
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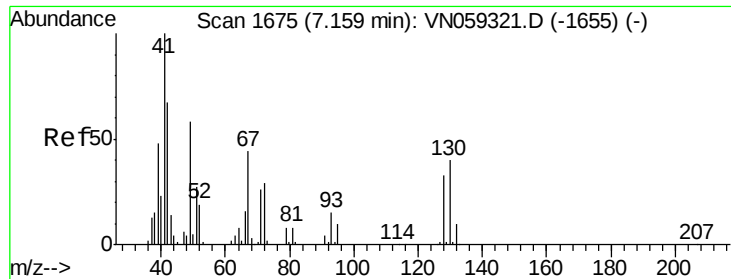
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#40
Benzene
Concen: 42.872 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.4	27.6





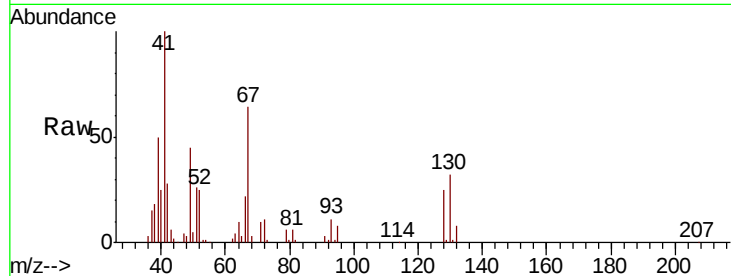
#41
Methacrylonitrile
Concen: 40.122 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

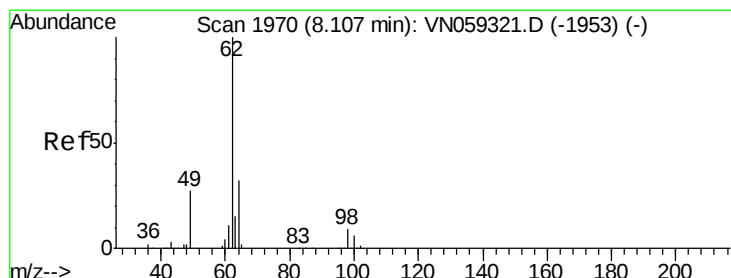
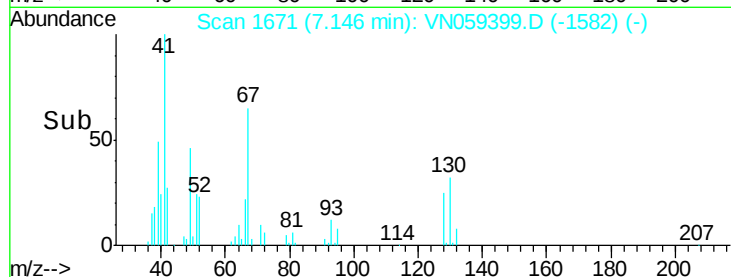
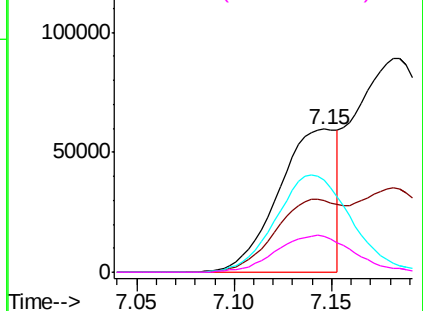
Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	0.0	0.0	0.0	0.0
67	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0

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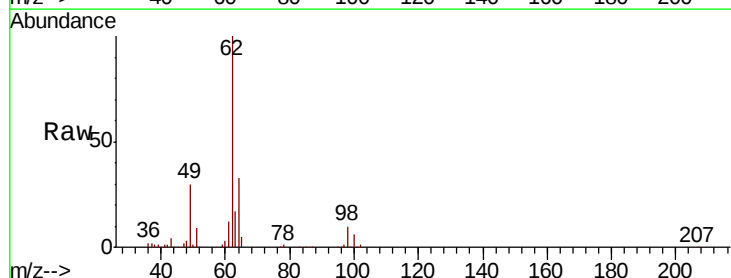


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

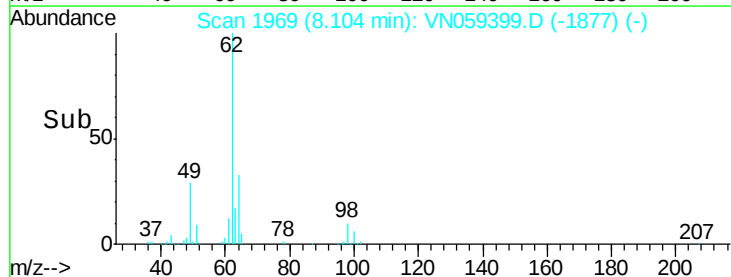
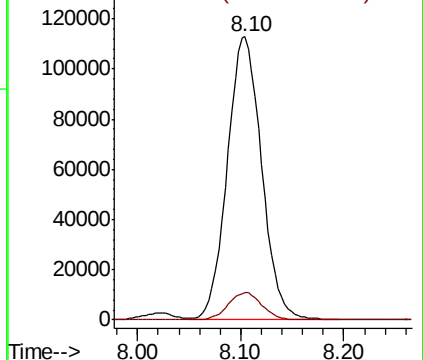


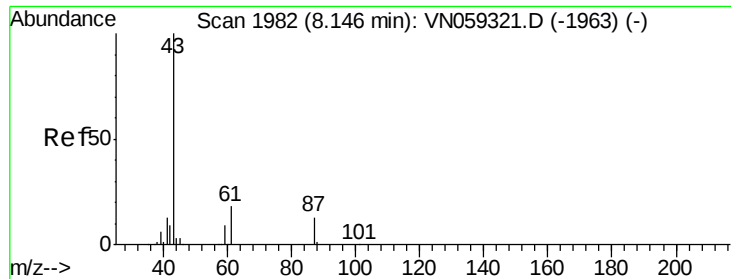
#42
1,2-Dichloroethane
Concen: 41.391 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	9.5	0.0	18.6	



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





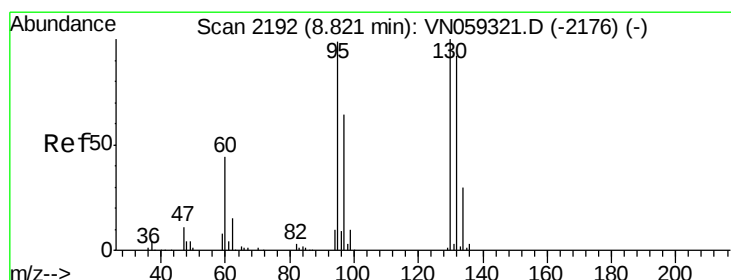
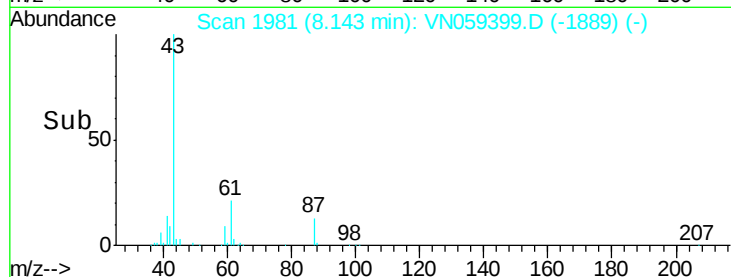
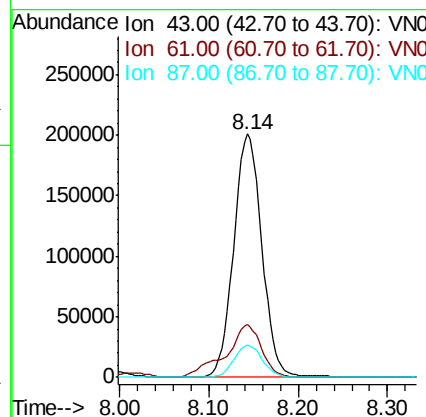
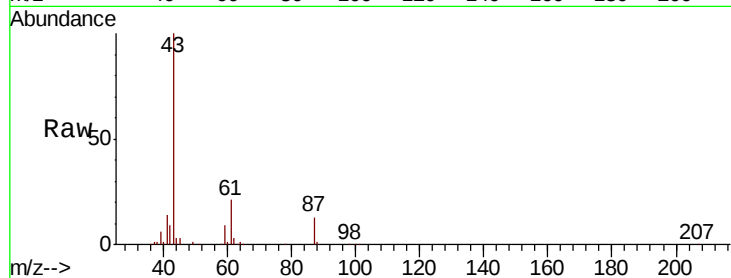
#43
Isopropyl Acetate
Concen: 41.220 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.6	21.7	32.5
87	13.3	10.2	15.4

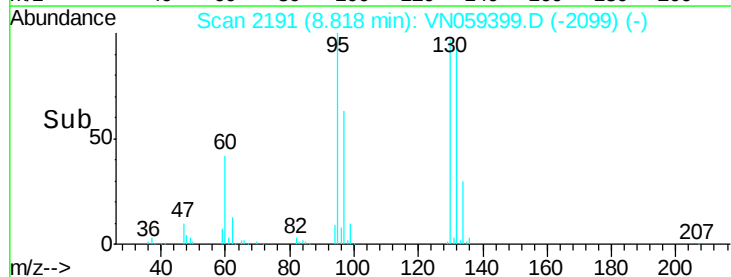
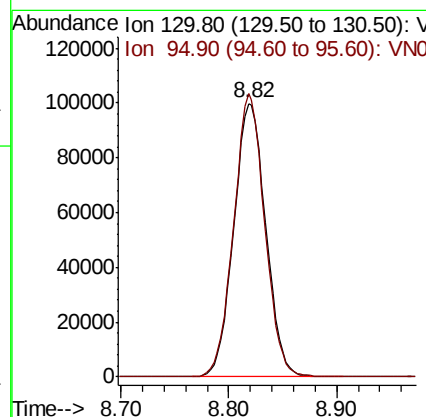
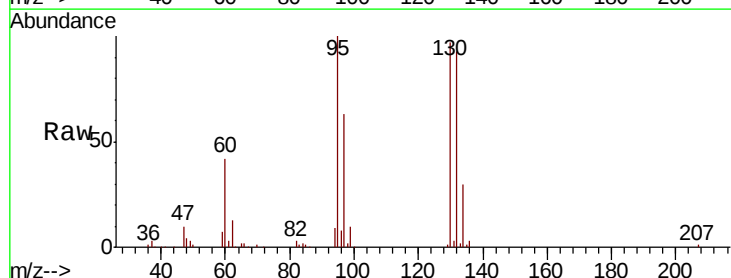
Manual Integrations
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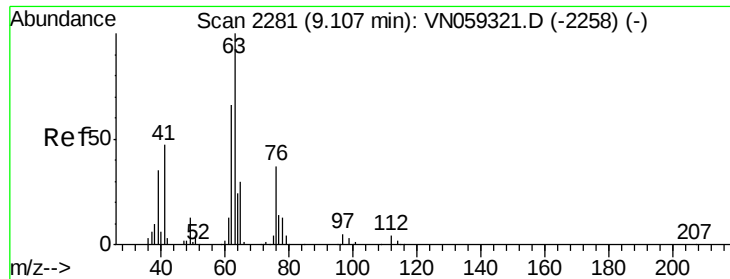
apatel
11/27/2019 10:29:10 AM



#44
Trichloroethene
Concen: 42.858 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	198.4





#45

1,2-Dichloropropane

Concen: 43.010 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 218219

Ion Ratio Lower Upper

63 100

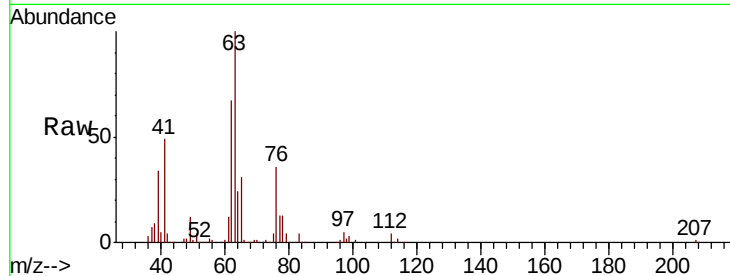
65 30.6 23.9 35.9

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.10

120000

100000

80000

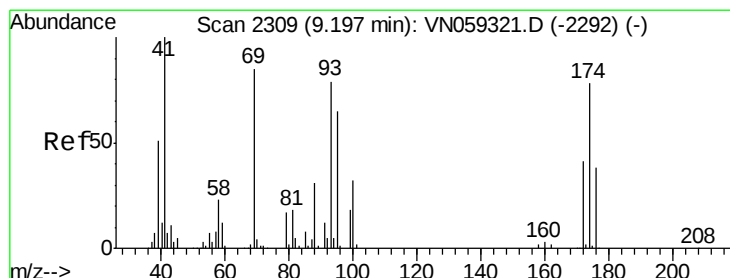
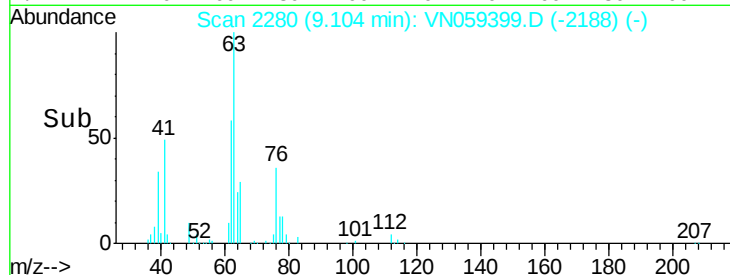
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 42.715 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

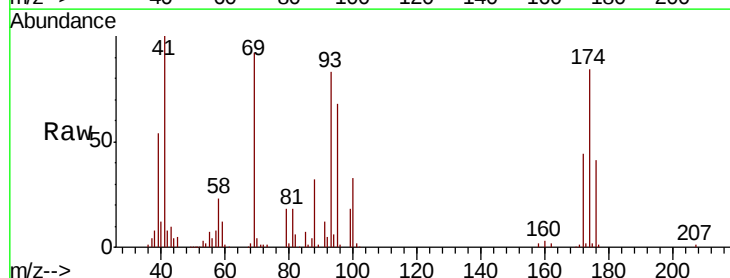
Tgt Ion: 93 Resp: 132931

Ion Ratio Lower Upper

93 100

95 83.3 66.9 100.3

174 101.4 80.6 120.8



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

80000

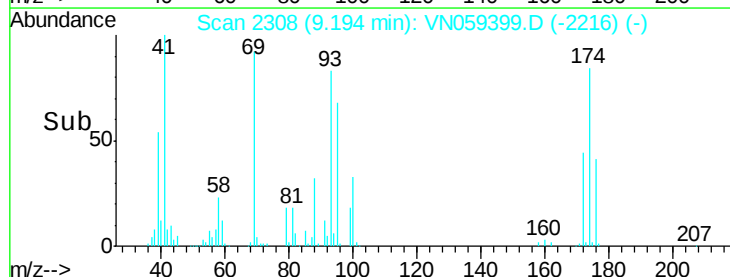
60000

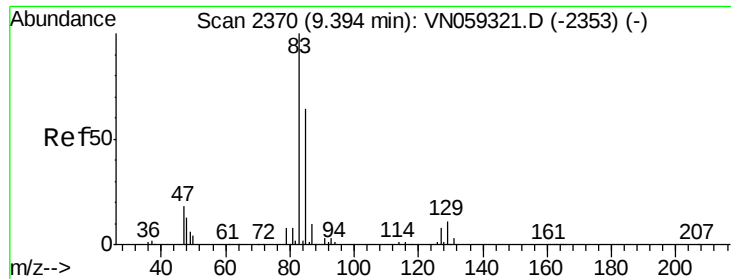
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 43.546 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.01 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

Instrument :

MSVOA_N

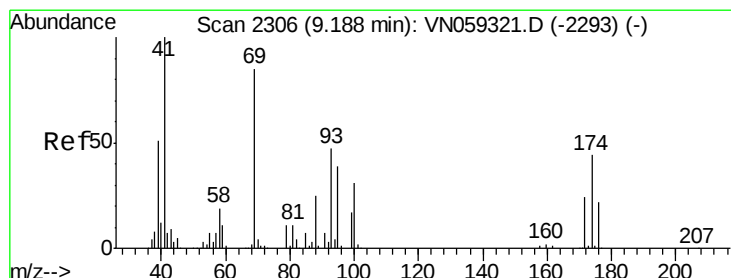
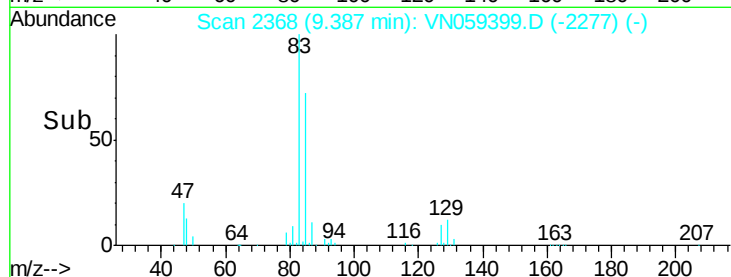
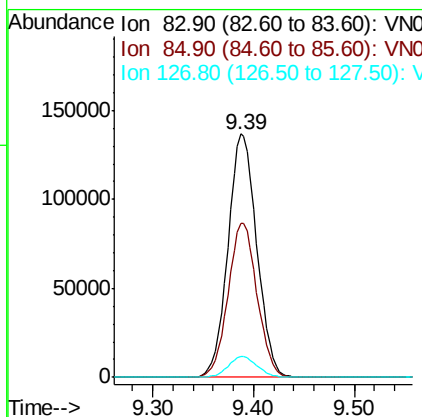
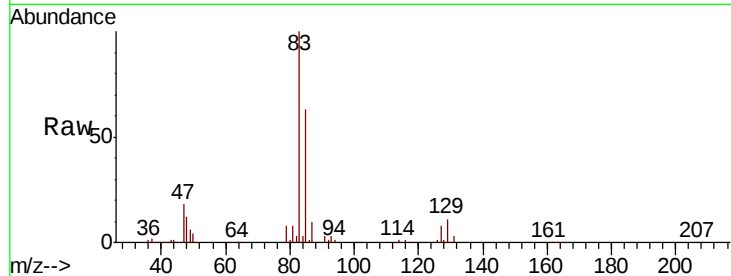
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	271407
Ion Ratio	Lower	Upper	
83	100		
85	63.2	51.5	77.3
127	8.4	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 40.404 ug/l

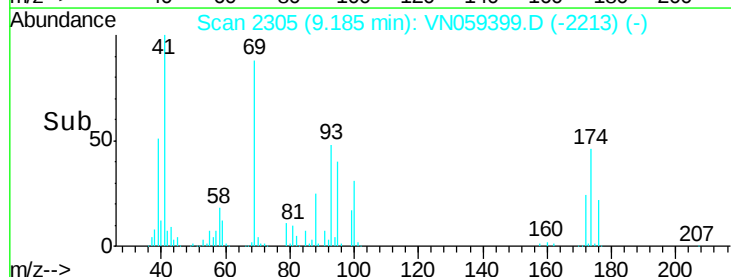
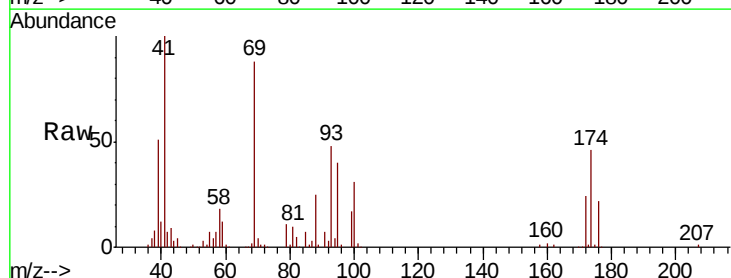
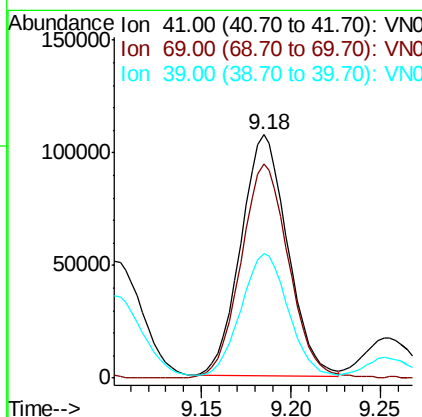
RT: 9.18 min Scan# 2305

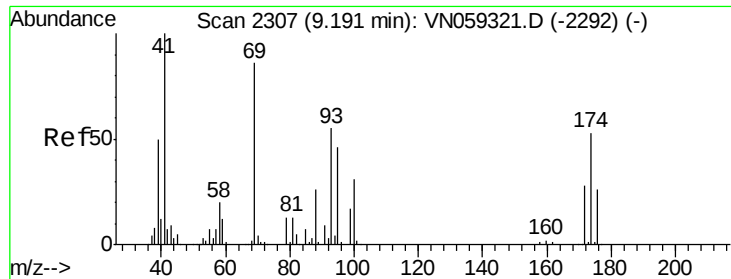
Delta R.T. -0.00 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

Tgt Ion:	41	Resp:	195638
Ion Ratio	Lower	Upper	
41	100		
69	91.2	68.8	103.2
39	52.8	42.1	63.1





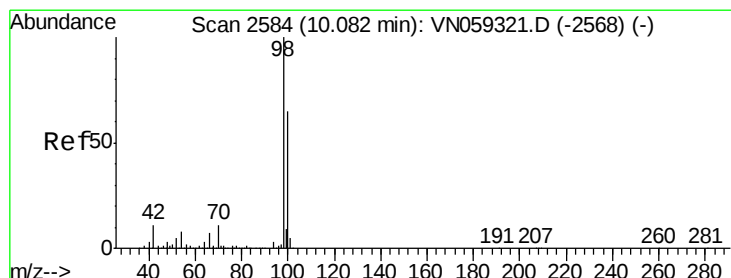
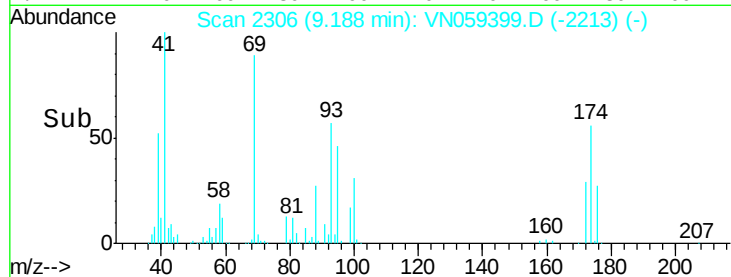
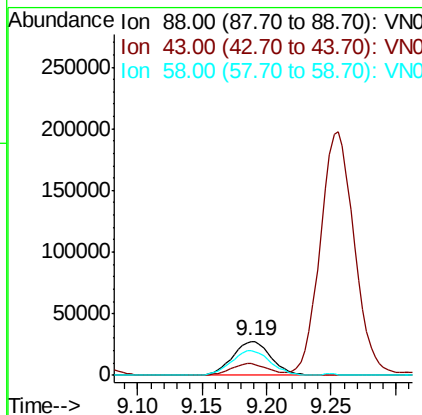
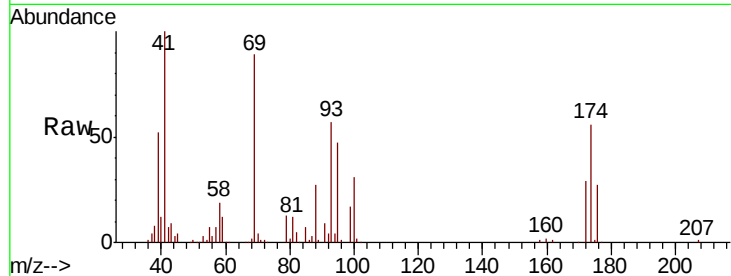
#49
1,4-Dioxane
Concen: 789.888 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.5	26.9	40.3
58	73.1	59.2	88.8

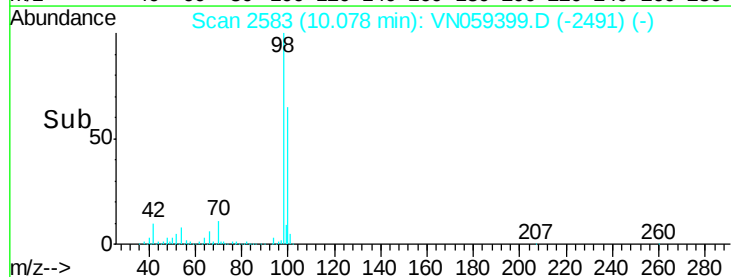
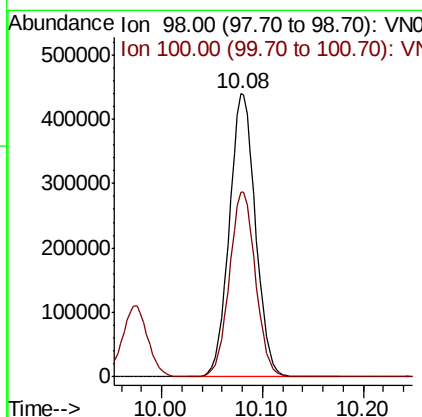
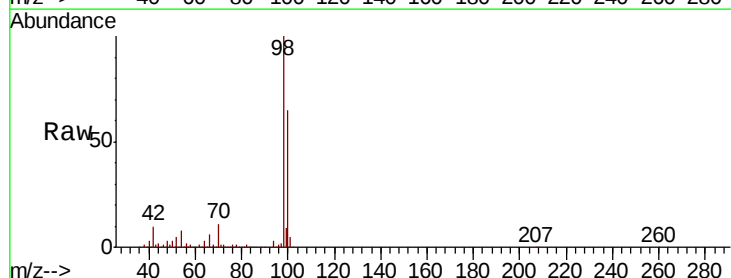
Manual Integrations
APPROVED

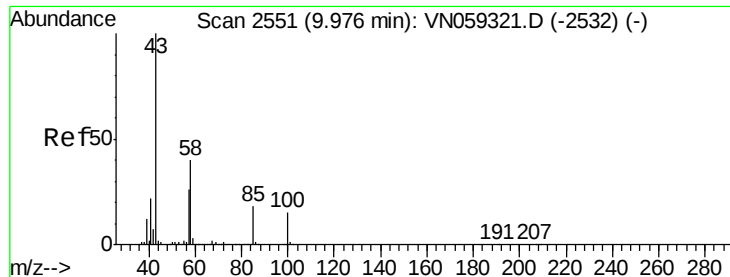
apatel
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#50
Toluene-d8
Concen: 52.986 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 212.918 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1326994

Ion Ratio Lower Upper

43 100

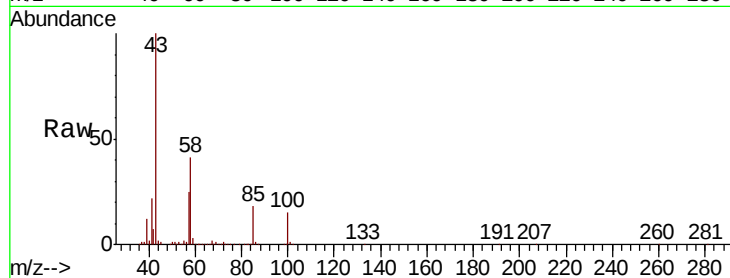
58 40.6 31.8 47.8

Manual Integrations

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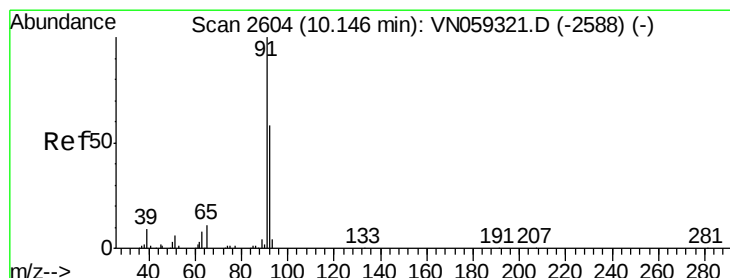
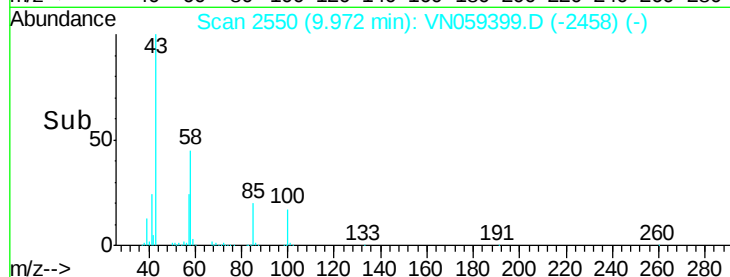
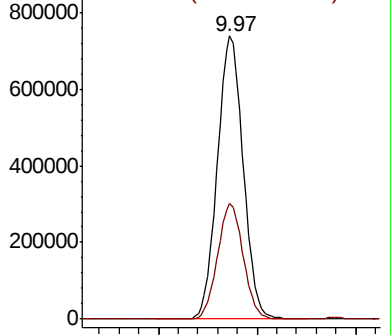
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 42.853 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059399.D

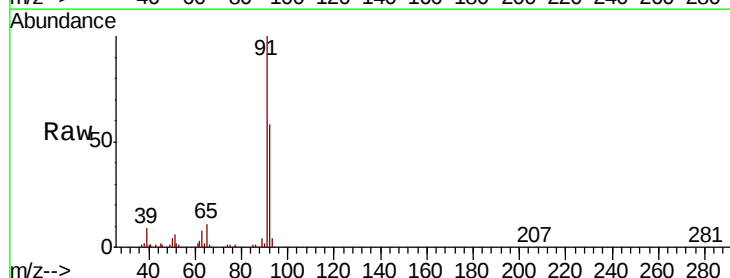
Acq: 26 Nov 2019 11:52

Tgt Ion: 92 Resp: 490272

Ion Ratio Lower Upper

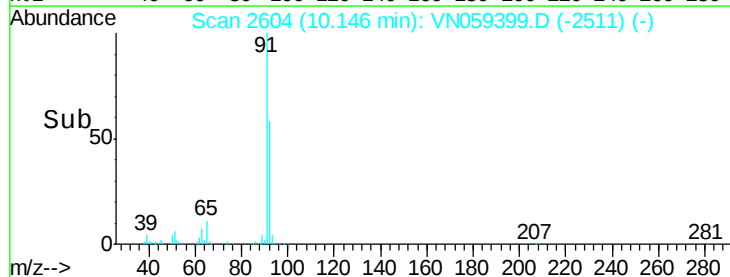
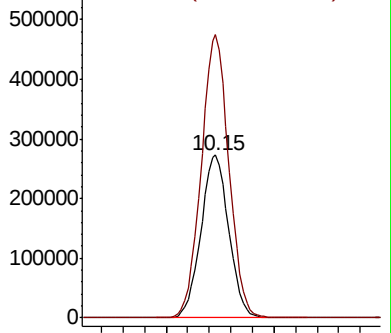
92 100

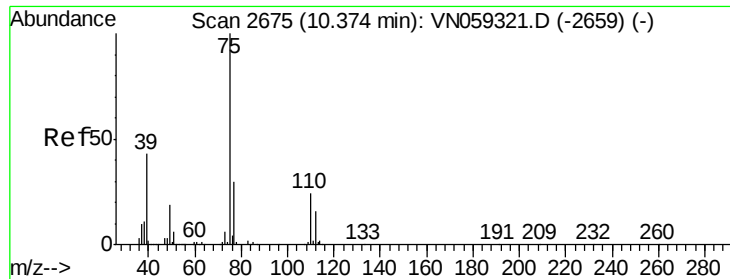
91 172.7 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





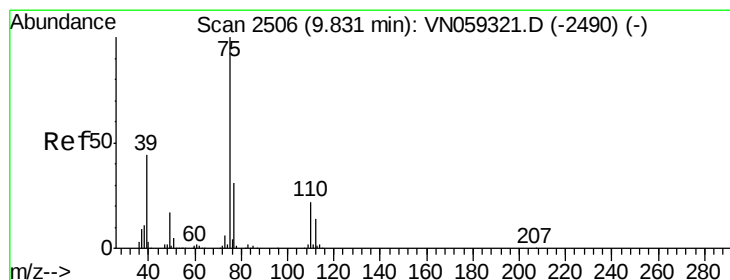
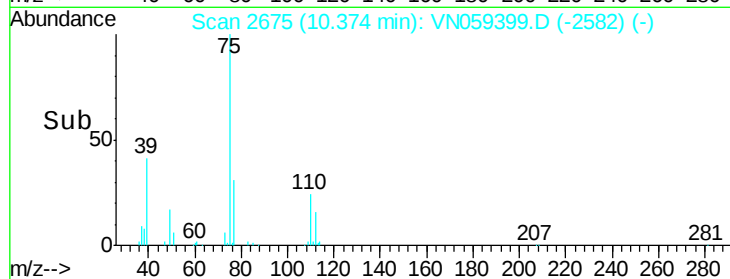
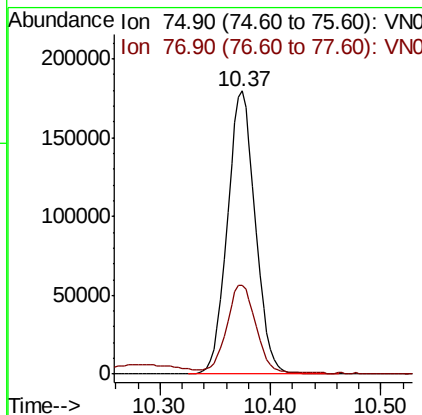
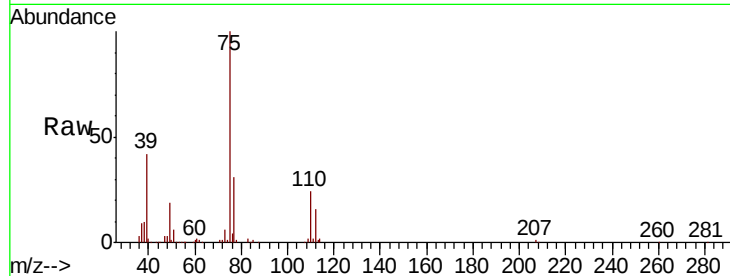
#53
t-1,3-Dichloropropene
Concen: 43.441 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.5	38.3

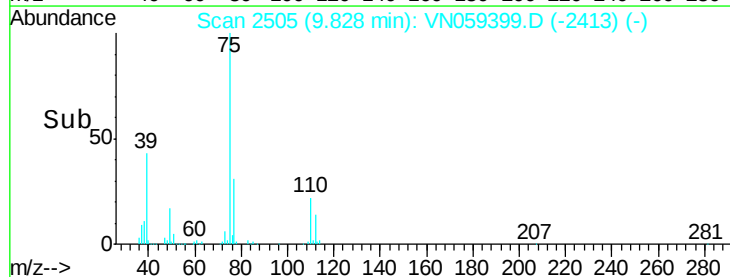
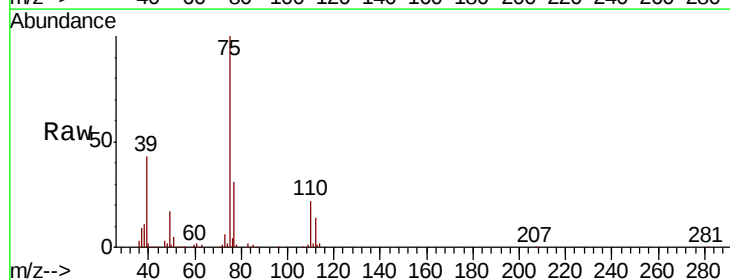
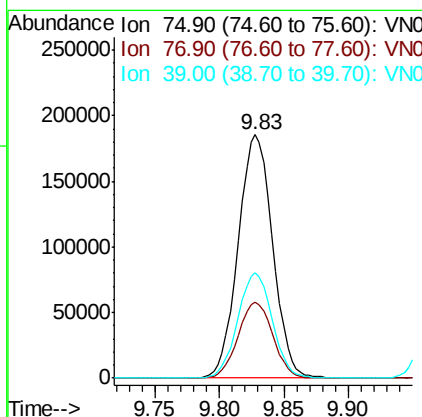
Manual Integrations
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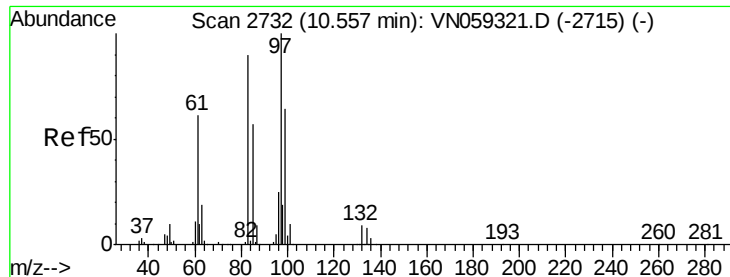
apatel
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#54
cis-1,3-Dichloropropene
Concen: 43.894 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. -0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.4
39	43.4	35.5	53.3





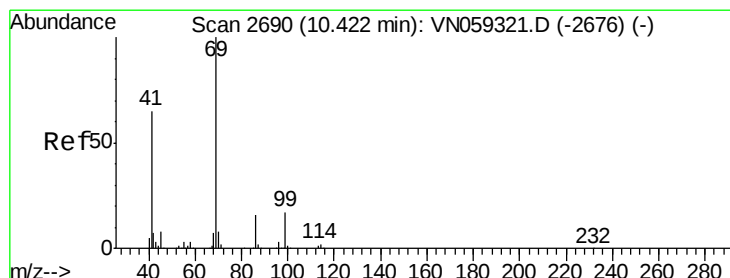
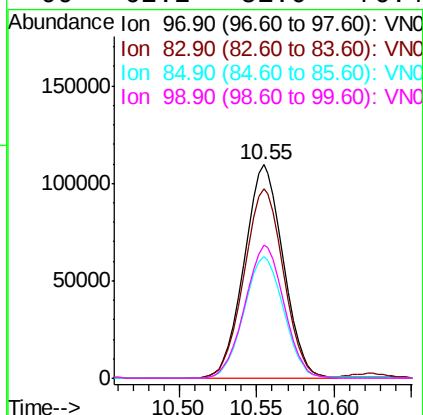
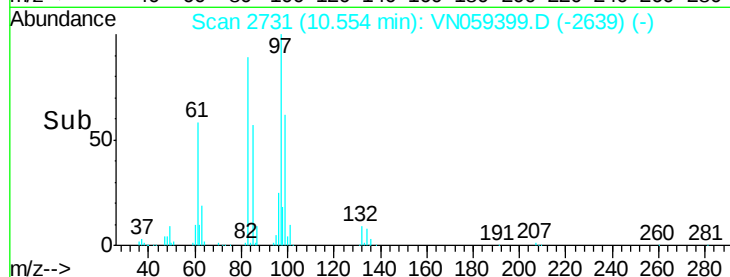
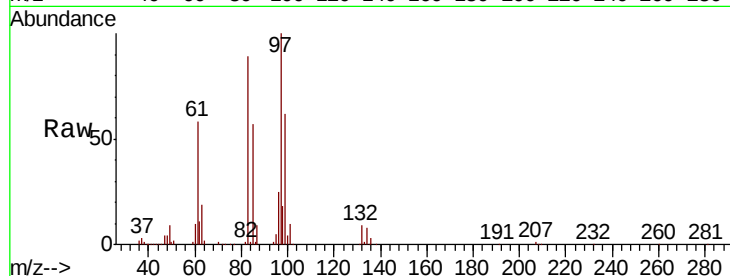
#55
 1,1,2-Trichloroethane
 Concen: 43.431 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059399.D
 Acq: 26 Nov 2019 11:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	193190
Ion	Ratio	Lower	Upper
97	100		
83	88.7	72.0	108.0
85	56.9	45.8	68.6
99	62.2	51.0	76.4

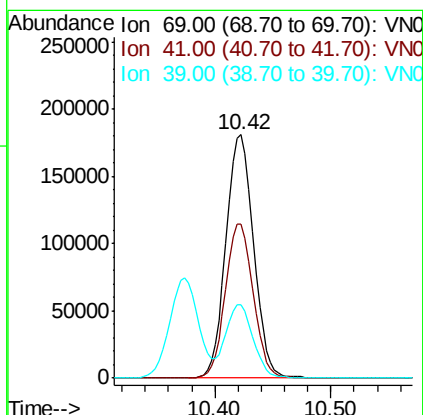
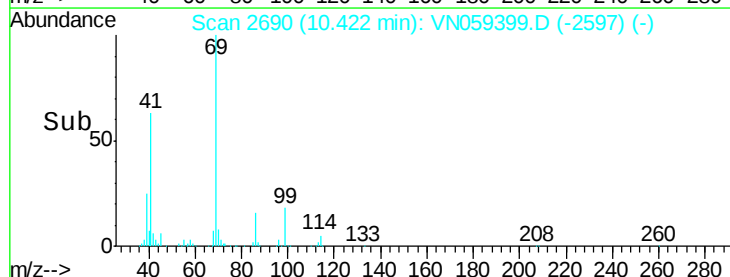
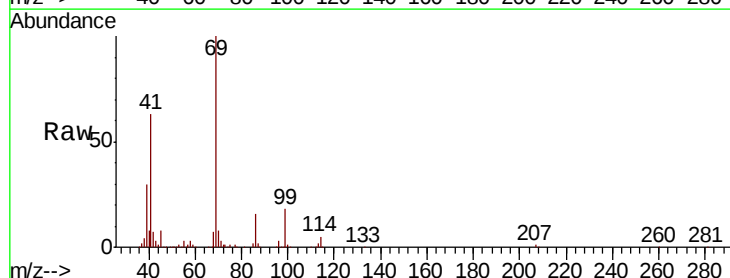
Manual Integrations
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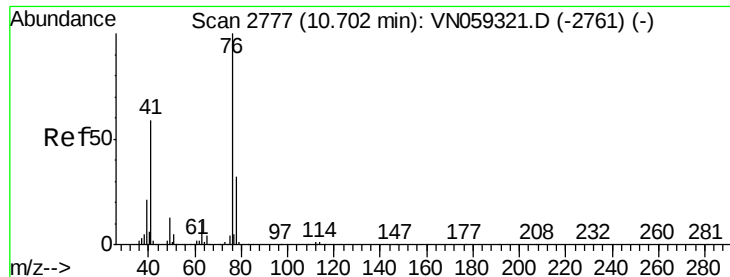
apatel
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#56
 Ethyl methacrylate
 Concen: 40.208 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059399.D
 Acq: 26 Nov 2019 11:52

Tgt Ion:	69	Resp:	298690
Ion	Ratio	Lower	Upper
69	100		
41	63.0	51.7	77.5
39	29.3	25.2	37.8





#57

1,3-Dichloropropane

Concen: 43.227 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 335130

Ion Ratio Lower Upper

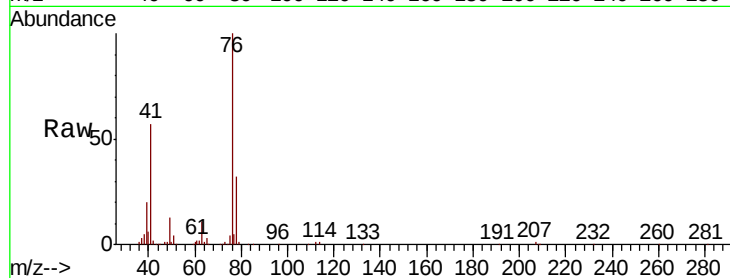
76 100

78 32.2 26.0 39.0

Manual Integrations
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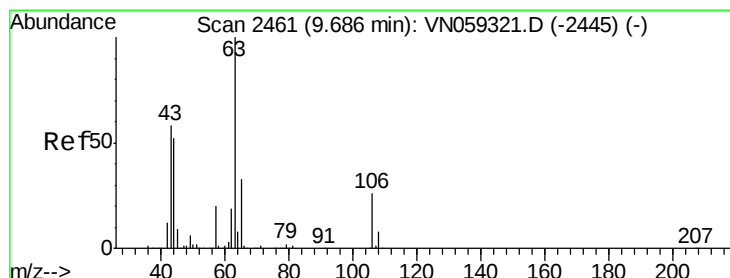
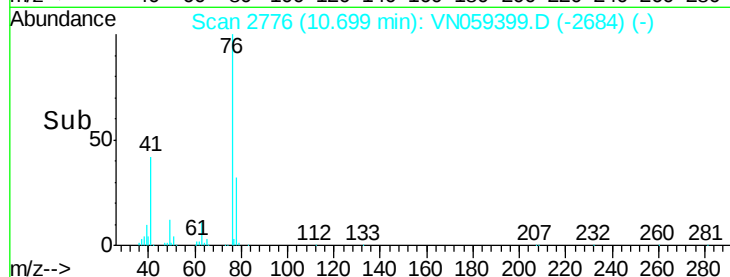
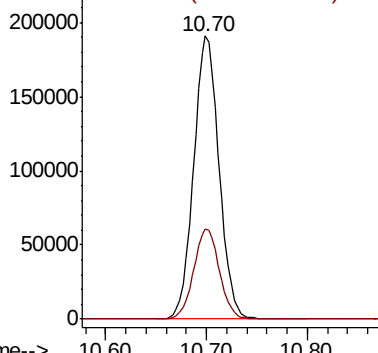
apatel

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 103.327 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059399.D

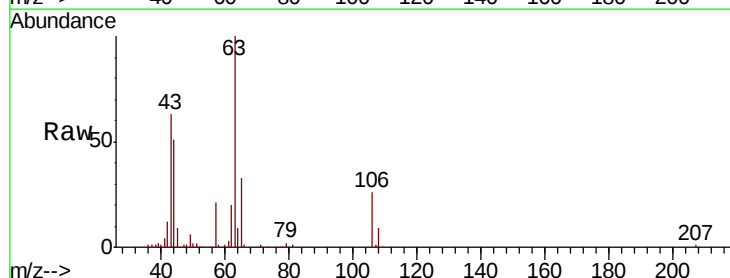
Acq: 26 Nov 2019 11:52

Tgt Ion: 63 Resp: 244369

Ion Ratio Lower Upper

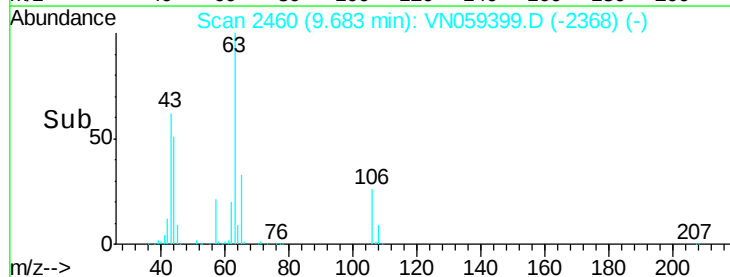
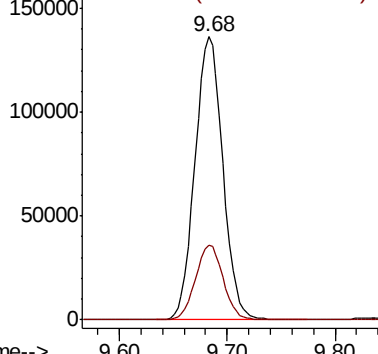
63 100

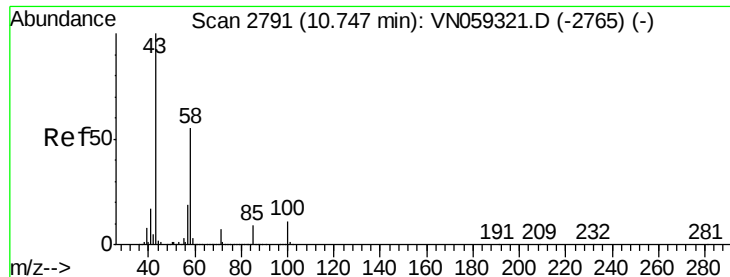
106 26.2 20.5 30.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





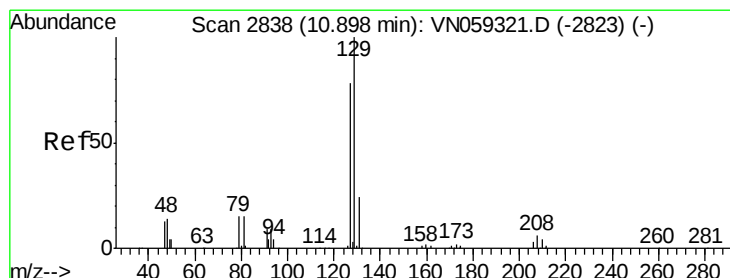
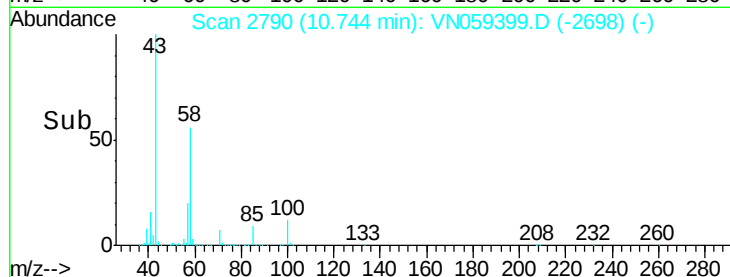
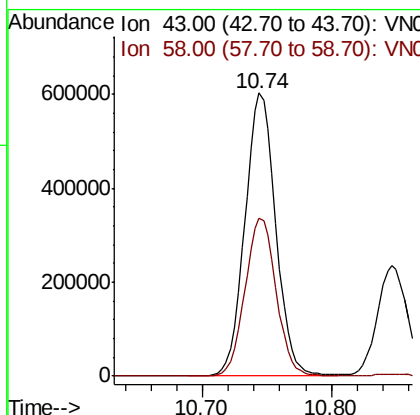
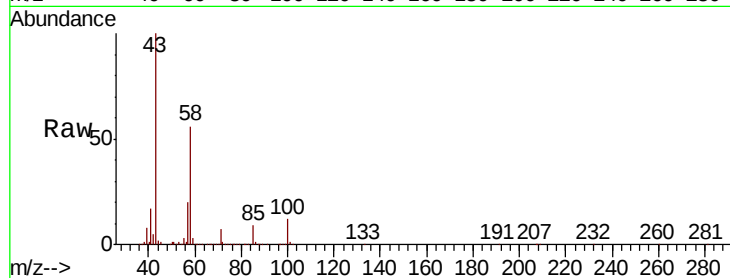
#59
2-Hexanone
Concen: 219.851 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1003324
Ion Ratio Lower Upper
43 100
58 56.5 27.7 83.0

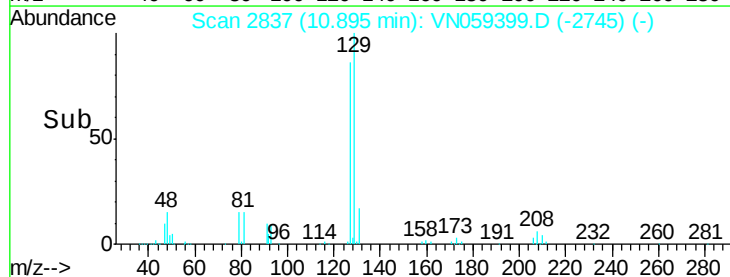
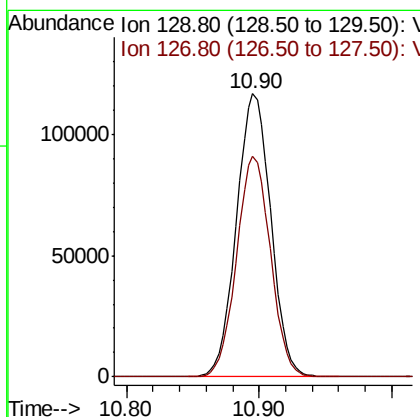
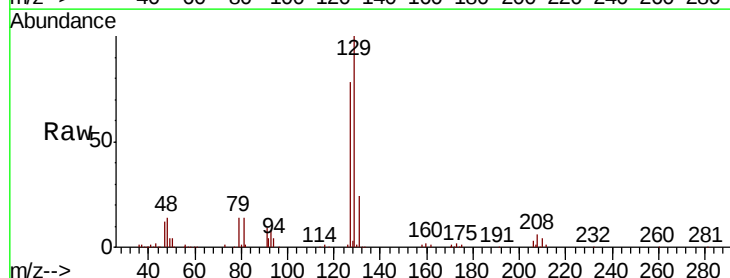
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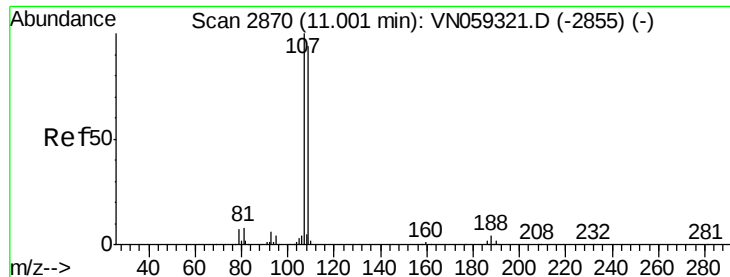
apatel
11/27/2019 10:29:10 AM



#60
Dibromochloromethane
Concen: 44.869 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Tgt Ion: 129 Resp: 210321
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.5





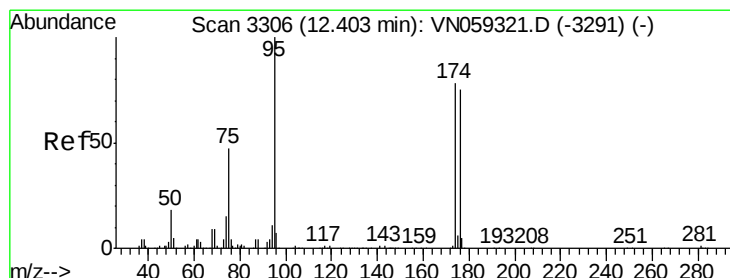
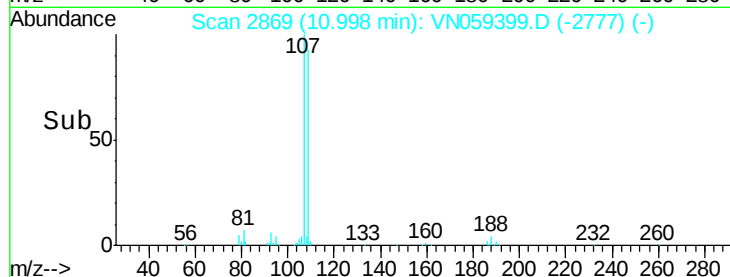
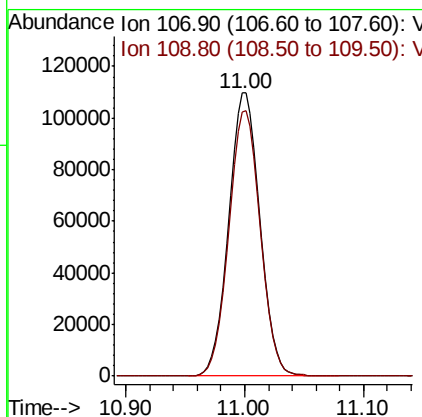
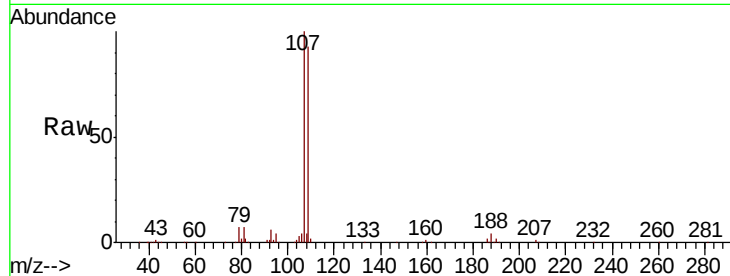
#61
 1,2-Dibromoethane
 Concen: 43.010 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059399.D
 Acq: 26 Nov 2019 11:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 199066
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.4 113.2

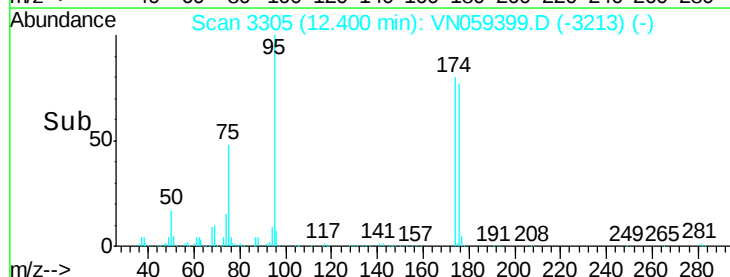
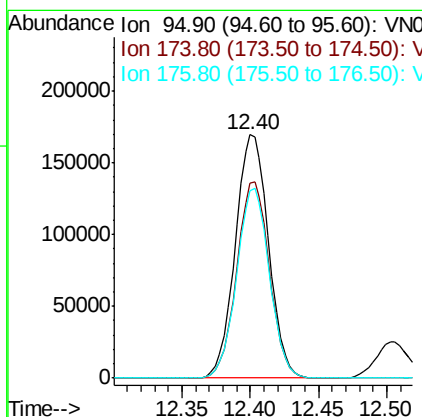
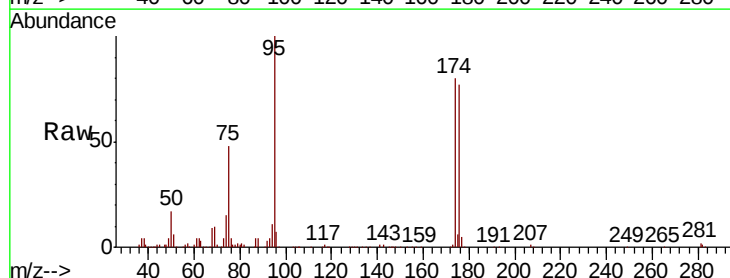
Manual Integrations
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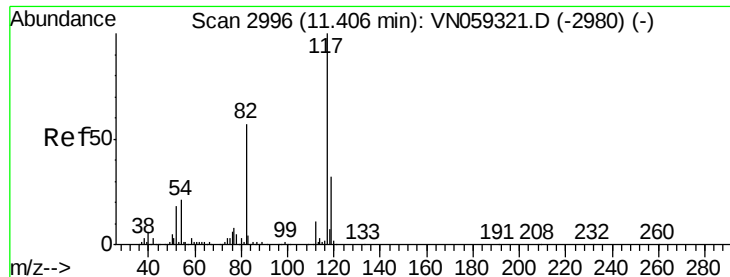
apatel
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#62
 4-Bromofluorobenzene
 Concen: 54.712 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059399.D
 Acq: 26 Nov 2019 11:52

Tgt Ion: 95 Resp: 286515
 Ion Ratio Lower Upper
 95 100
 174 79.4 0.0 157.4
 176 76.7 0.0 151.2





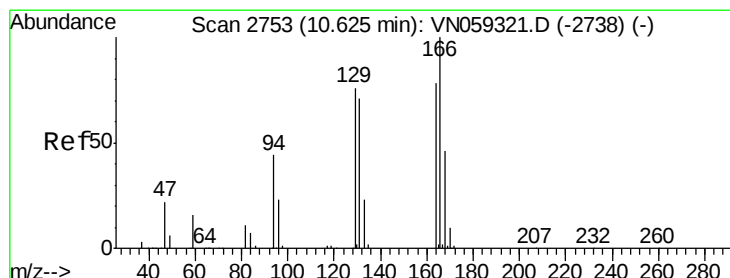
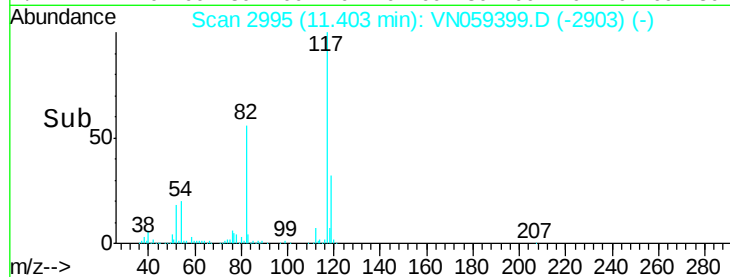
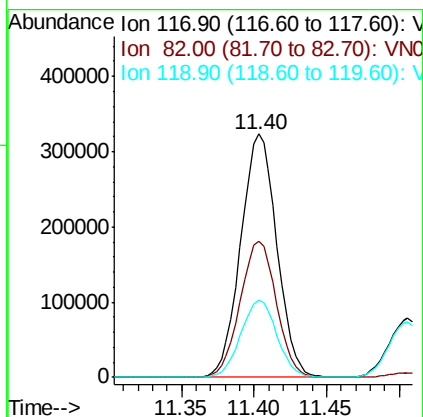
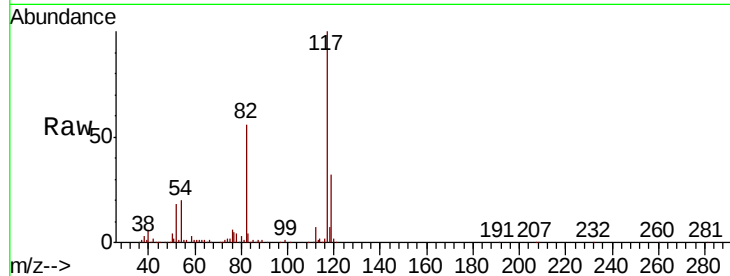
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	45.7	68.5
119	31.7	25.8	38.6

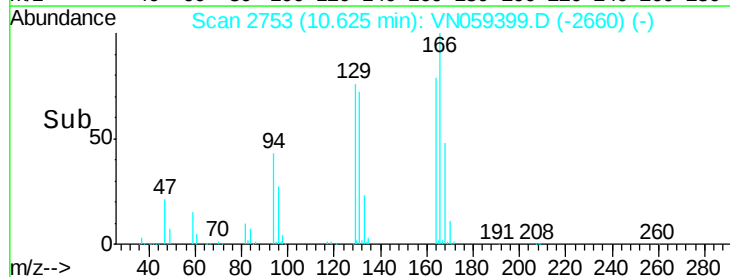
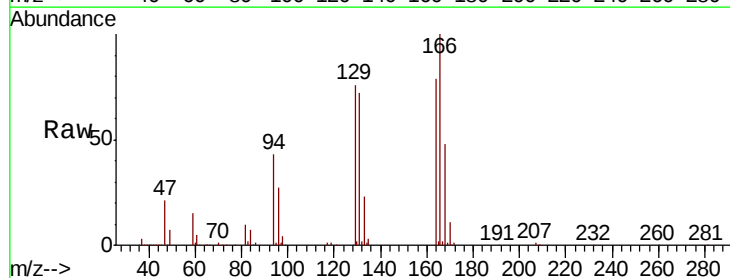
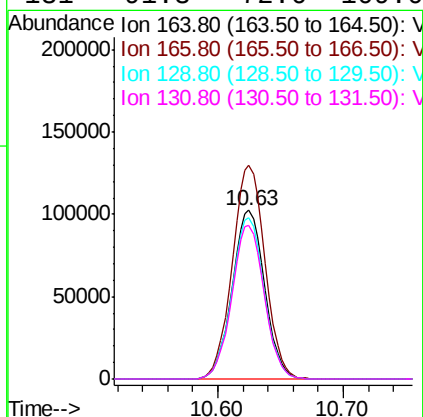
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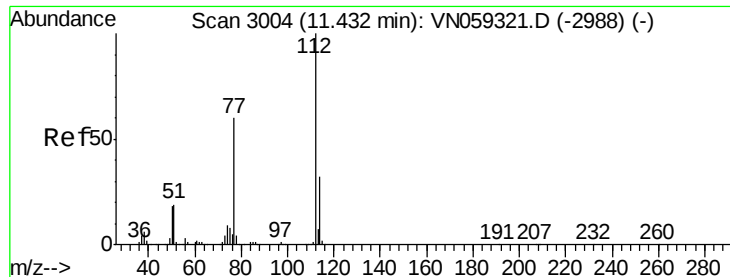
apatel
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#64
Tetrachloroethene
Concen: 42.488 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	102.9	154.3
129	95.9	78.2	117.2
131	91.3	72.6	109.0





#65

Chlorobenzene

Concen: 42.879 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 516592

Ion Ratio Lower Upper

112 100

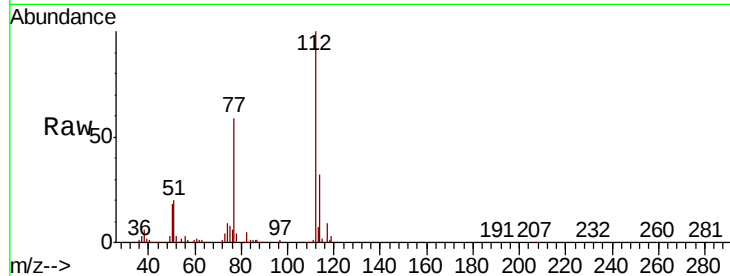
114 31.8 25.8 38.6

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

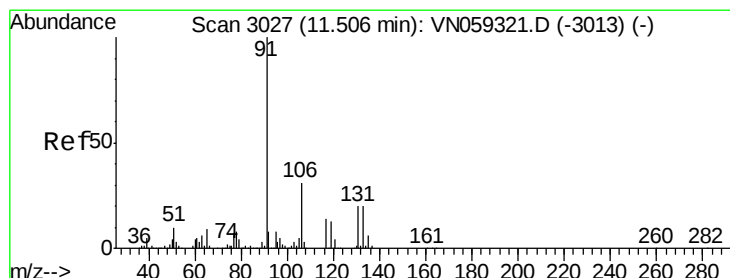
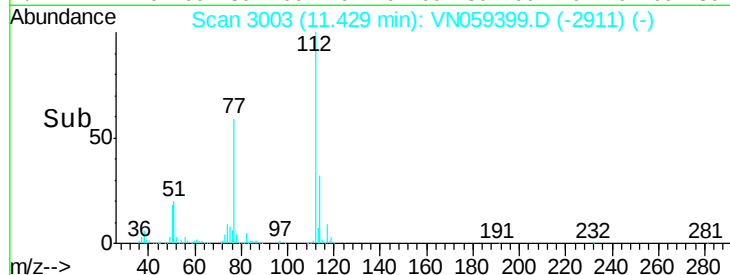
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 44.195 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

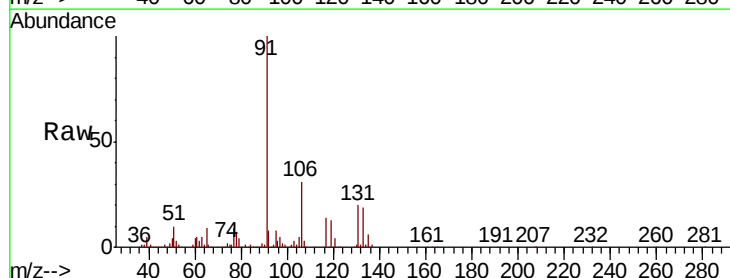
Tgt Ion:131 Resp: 193433

Ion Ratio Lower Upper

131 100

133 96.2 48.2 144.6

119 67.0 33.6 100.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

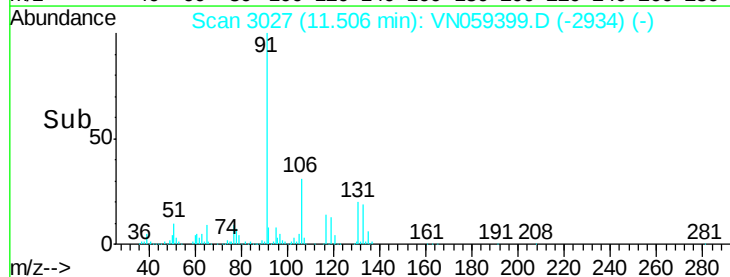
150000

100000

50000

0

Time-->





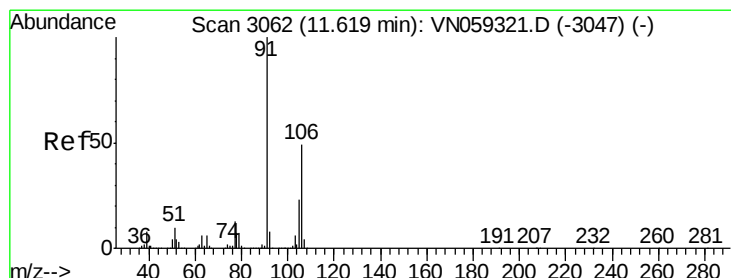
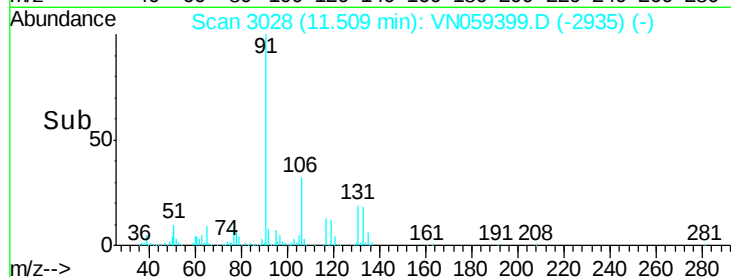
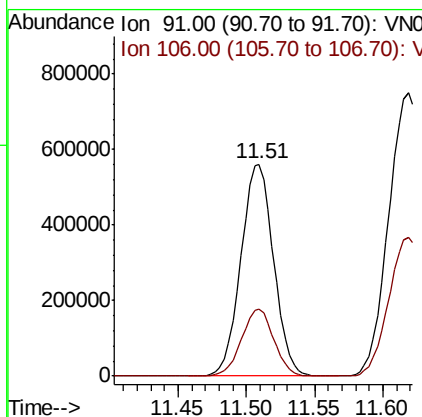
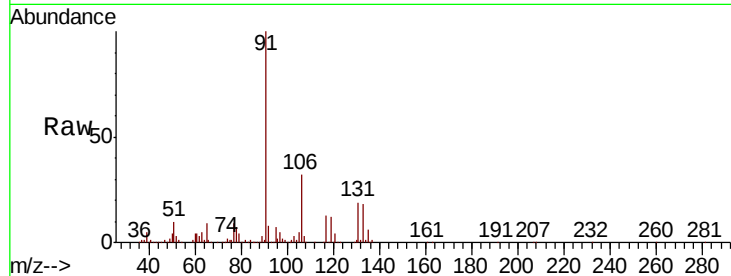
#67
Ethyl Benzene
Concen: 43.469 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 935068
Ion Ratio Lower Upper
91 100
106 31.6 24.6 37.0

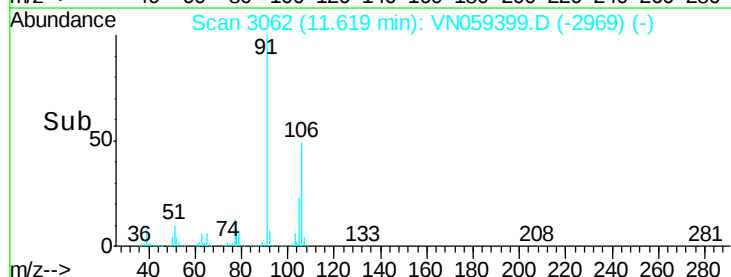
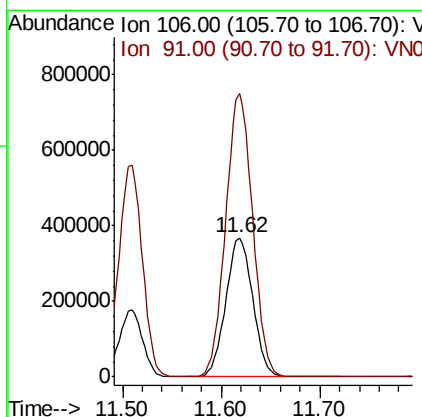
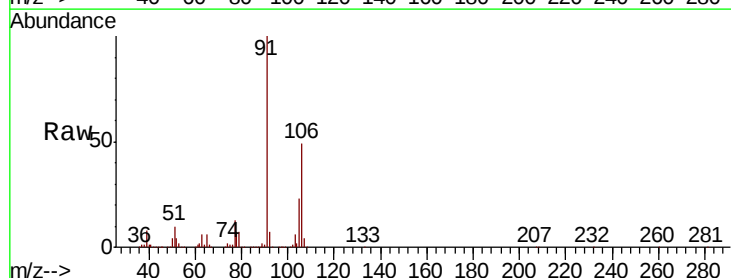
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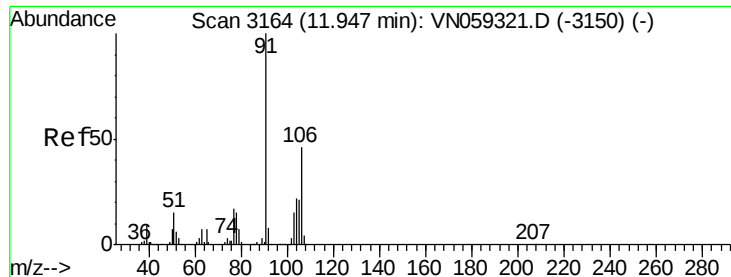
apatel
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#68
m/p-Xylenes
Concen: 88.163 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Tgt Ion: 106 Resp: 704700
Ion Ratio Lower Upper
106 100
91 203.8 163.2 244.8





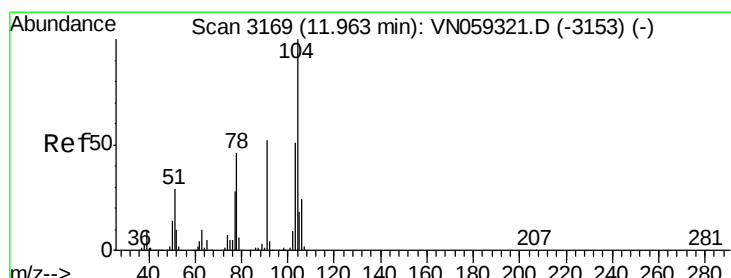
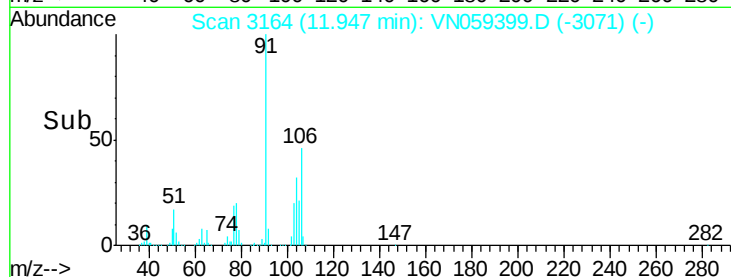
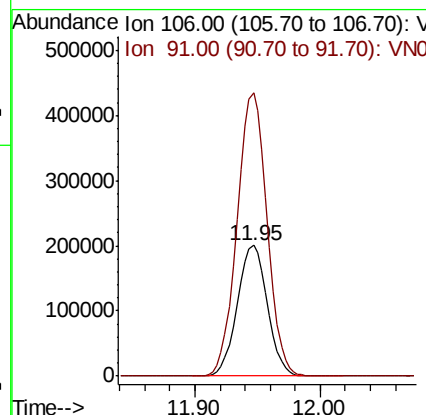
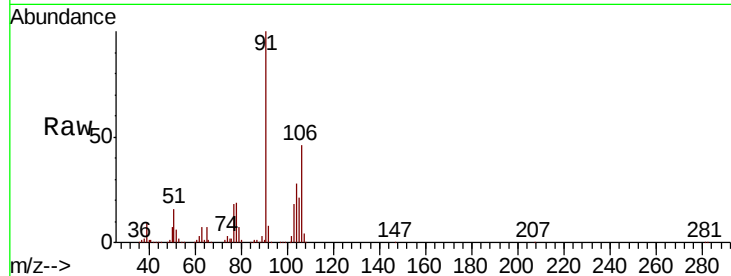
#69
o-Xylene
Concen: 43.640 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	216.0	109.3	327.9	

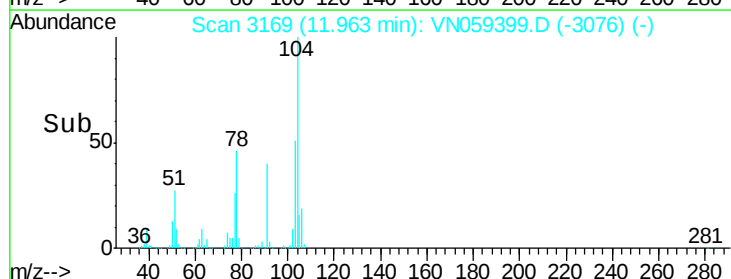
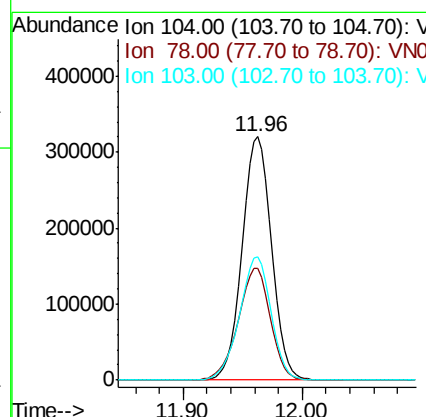
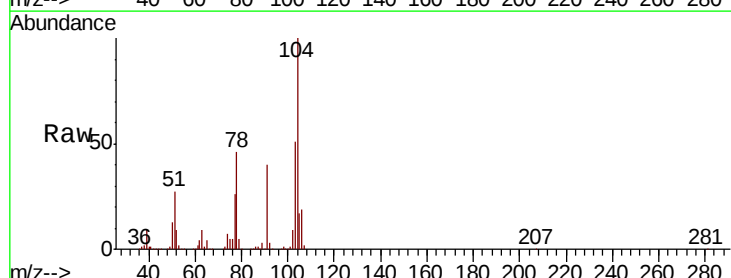
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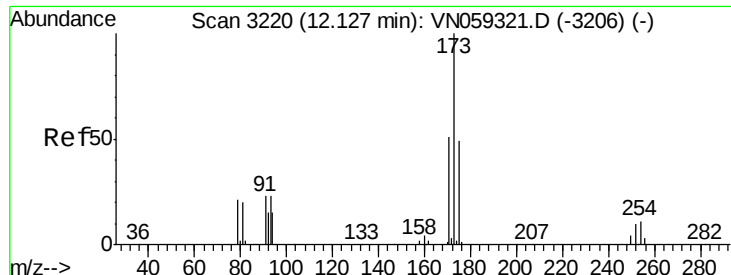
apatel
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#70
Styrene
Concen: 45.441 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.6	40.3	60.5	
103	54.6	43.6	65.4	





#71

Bromoform

Concen: 45.099 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

Instrument :

MSVOA_N

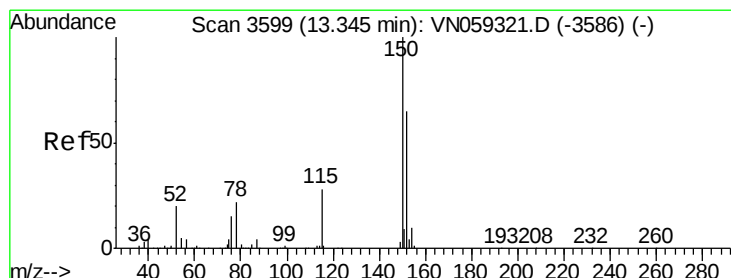
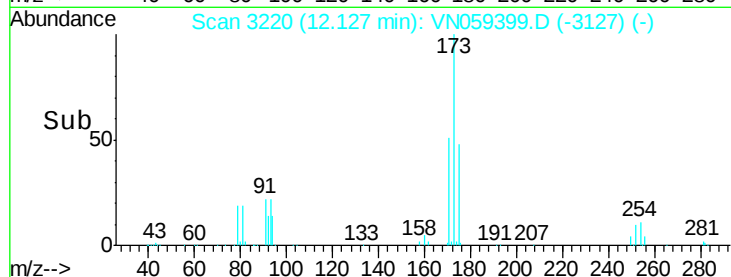
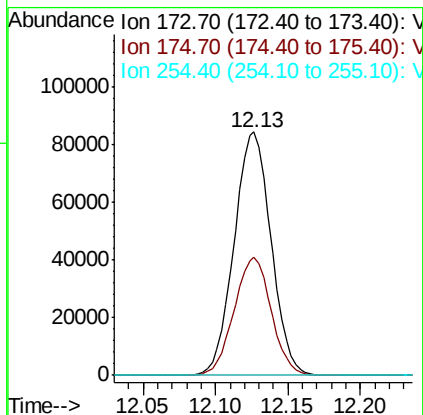
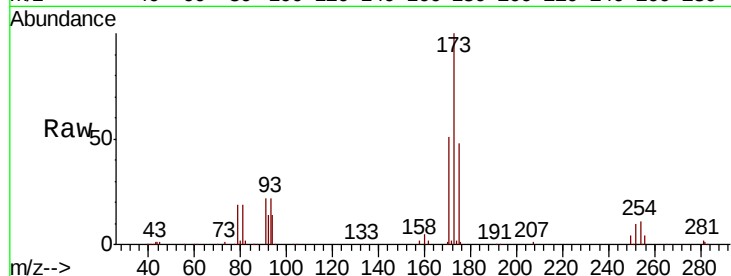
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.6	73.6
254	0.1	0.1	0.1

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

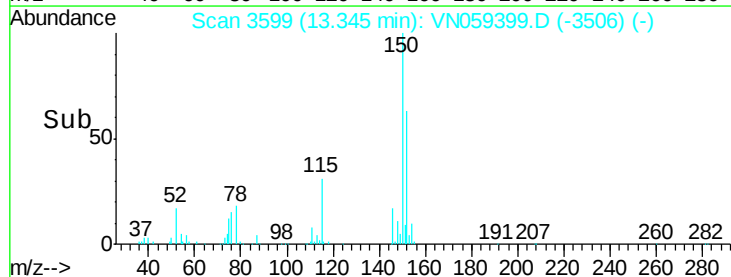
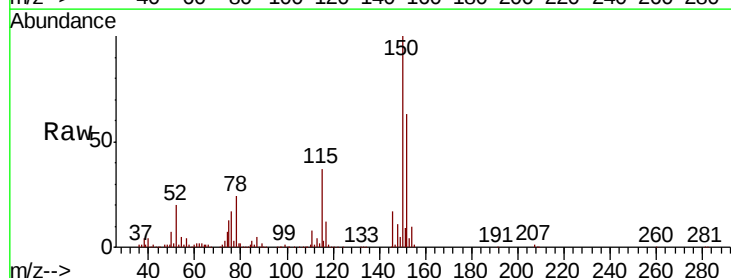
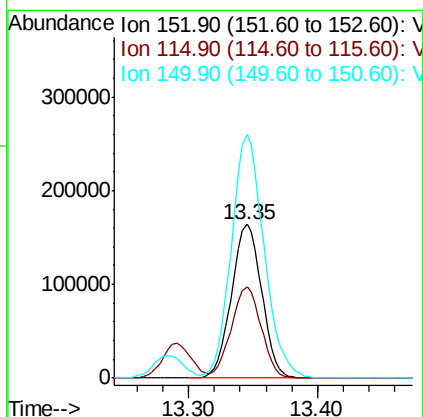
RT: 13.35 min Scan# 3599

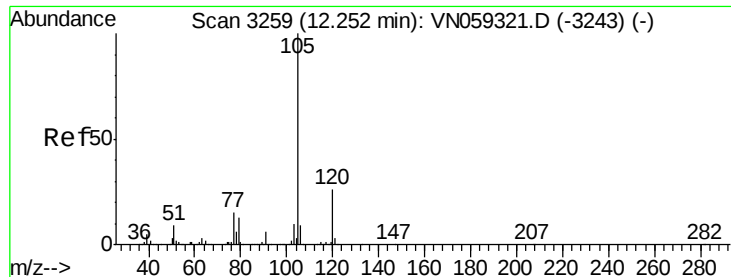
Delta R.T. 0.00 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	29.3	88.0
150	171.5	0.0	346.0





#73

Isopropylbenzene

Concen: 41.380 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 905875

Ion Ratio Lower Upper

105 100

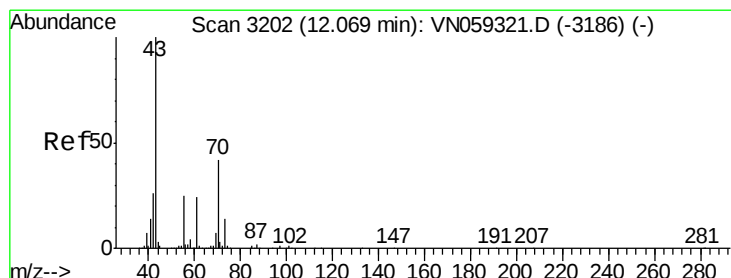
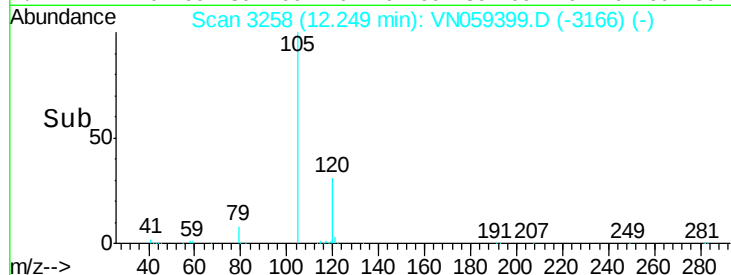
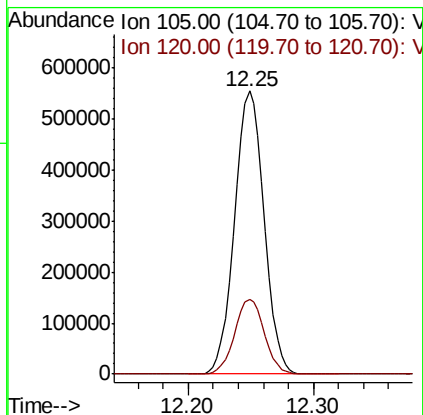
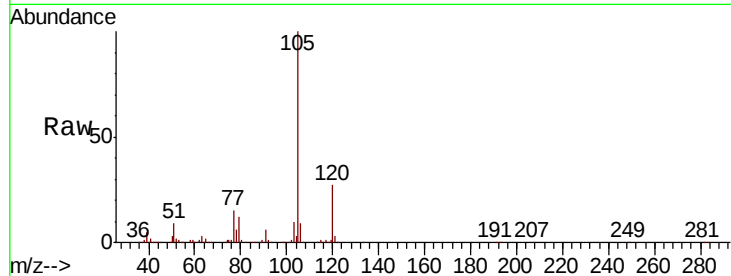
120 26.5 13.1 39.3

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#74

N-ethyl acetate

Concen: 40.417 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

Tgt Ion: 43 Resp: 355583

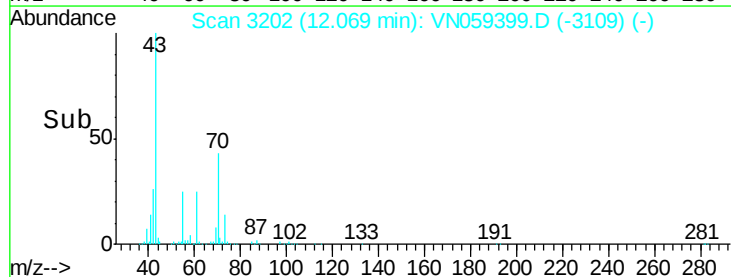
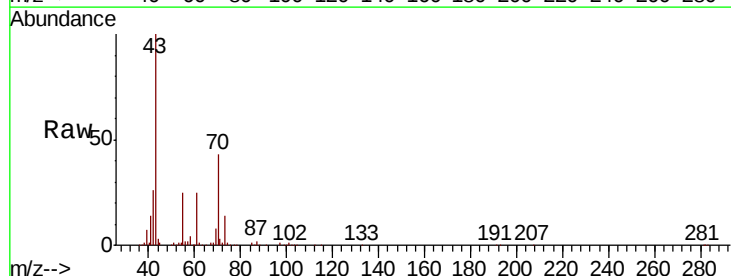
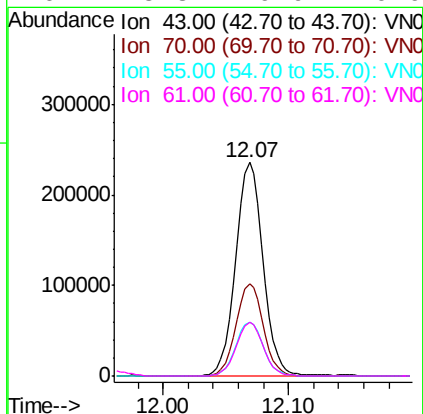
Ion Ratio Lower Upper

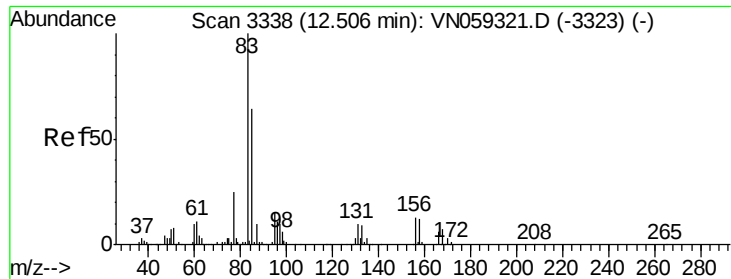
43 100

70 43.4 33.8 50.6

55 25.8 20.3 30.5

61 25.3 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 39.329 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

Instrument :

MSVOA_N

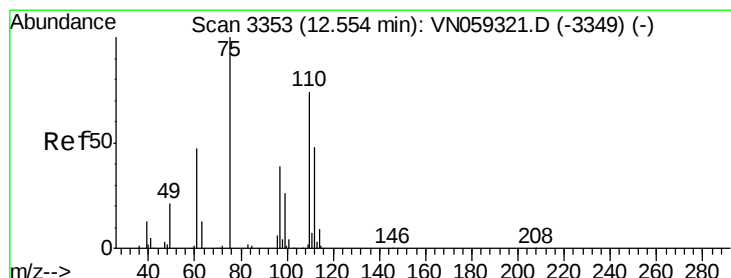
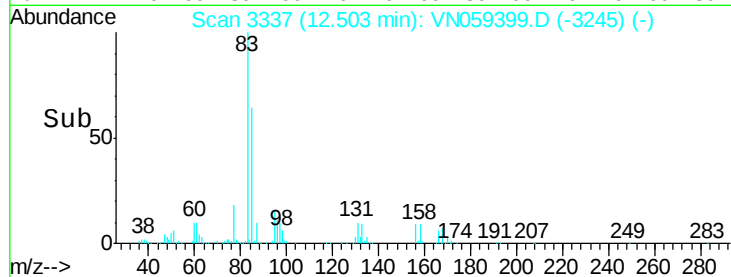
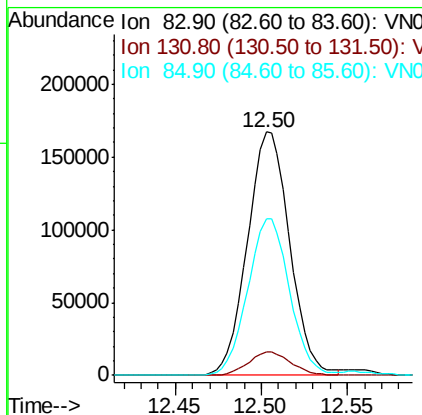
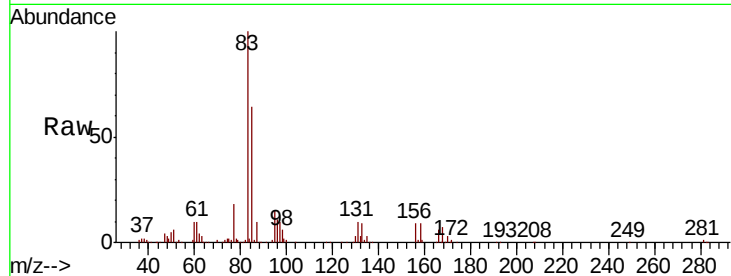
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	284809
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.0	14.9
85	63.6	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 44.430 ug/l m

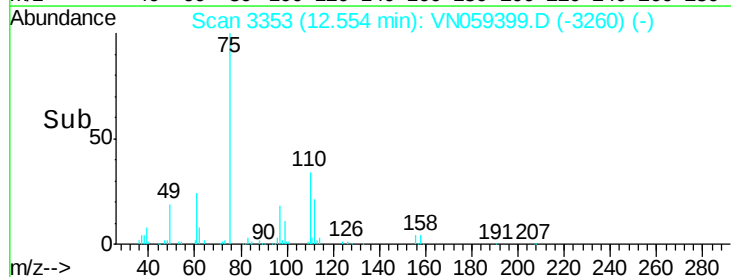
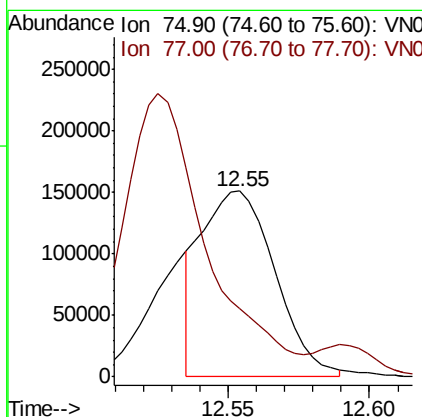
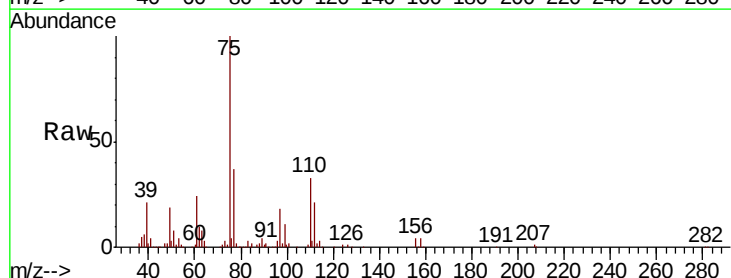
RT: 12.55 min Scan# 3353

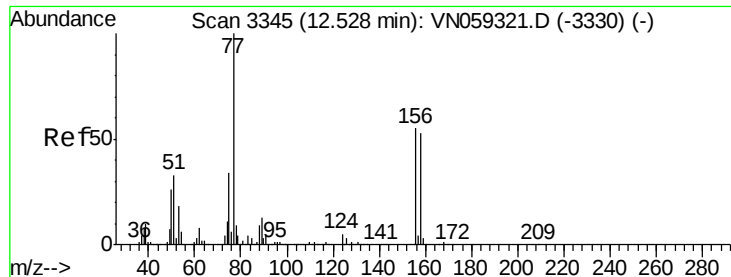
Delta R.T. 0.00 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

Tgt Ion:	75	Resp:	274301
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 41.155 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

Instrument :

MSVOA_N

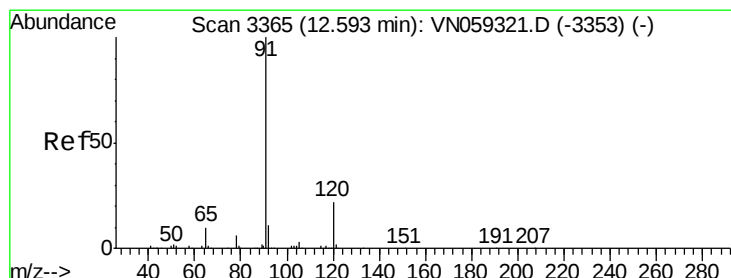
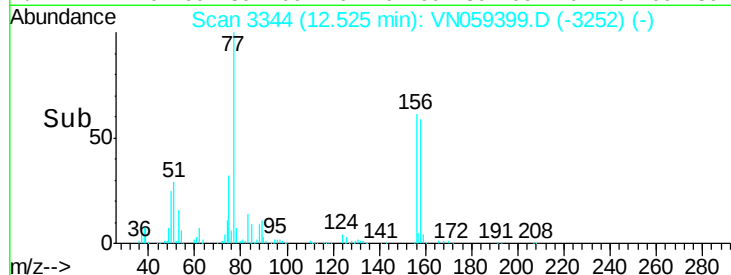
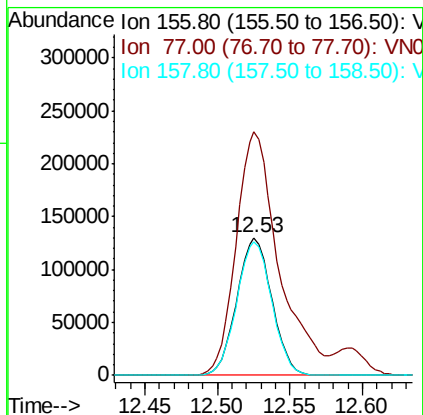
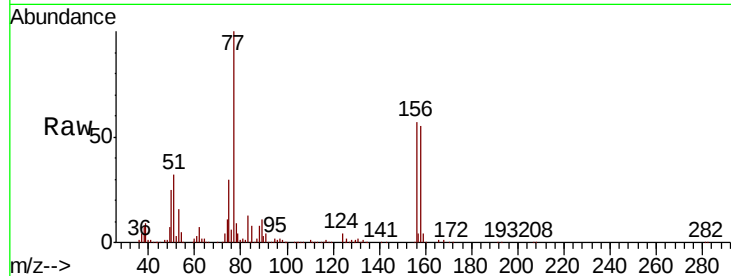
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	218526
Ion Ratio	Lower	Upper	
156	100		
77	216.7	111.1	333.4
158	97.4	47.8	143.4

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#78

n-propylbenzene

Concen: 42.663 ug/l

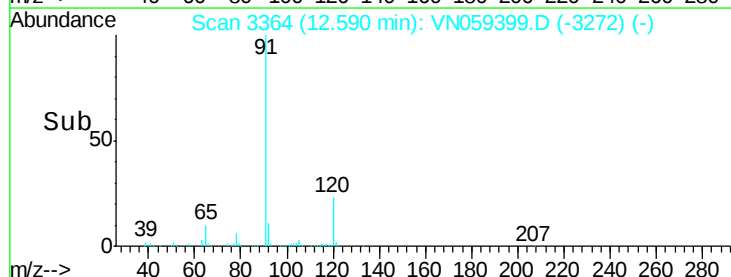
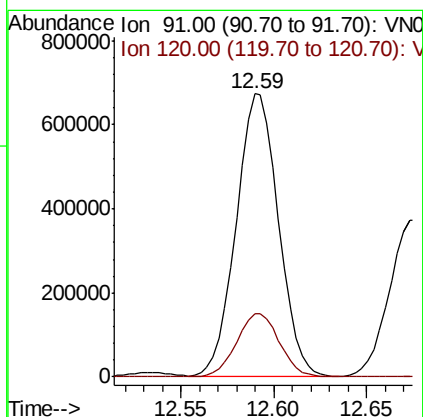
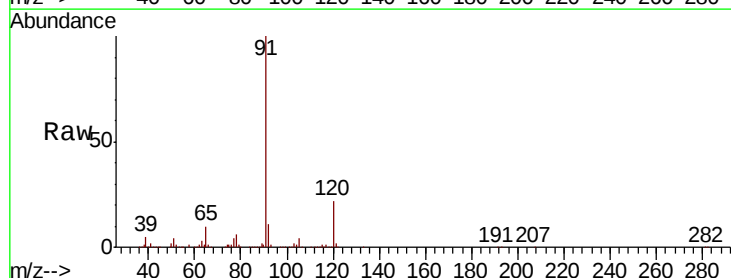
RT: 12.59 min Scan# 3364

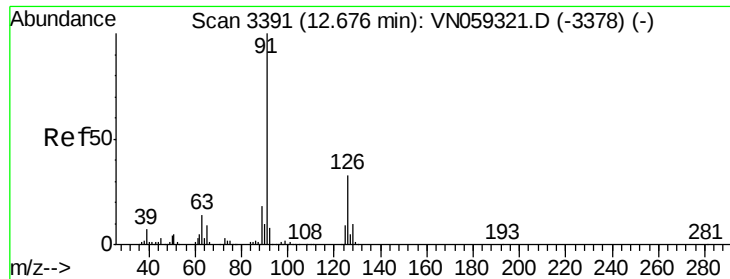
Delta R.T. -0.00 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

Tgt Ion:	91	Resp:	1057937
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.3	33.9





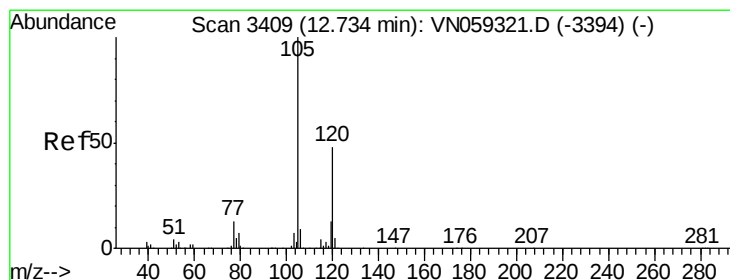
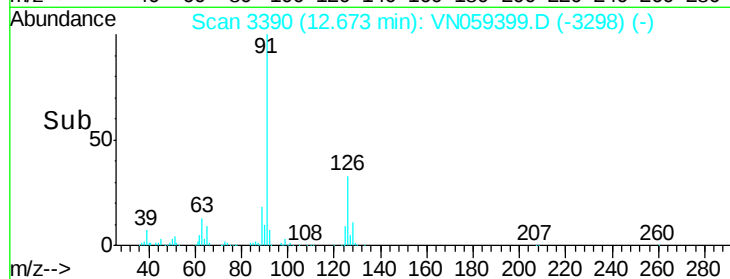
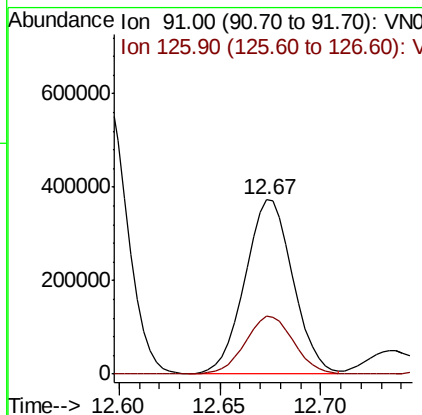
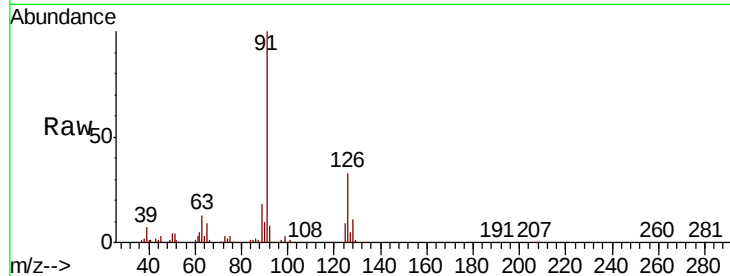
#79
 2-Chlorotoluene
 Concen: 40.577 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN059399.D
 Acq: 26 Nov 2019 11:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 617599
 Ion Ratio Lower Upper
 91 100
 126 33.7 16.7 50.1

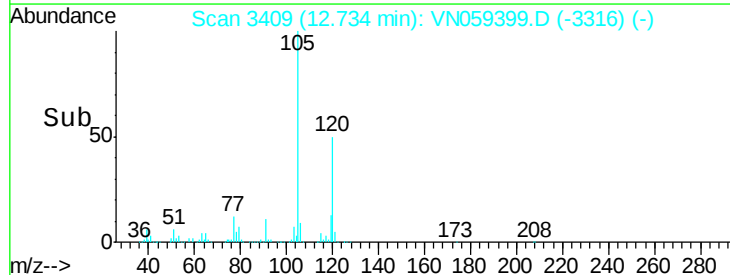
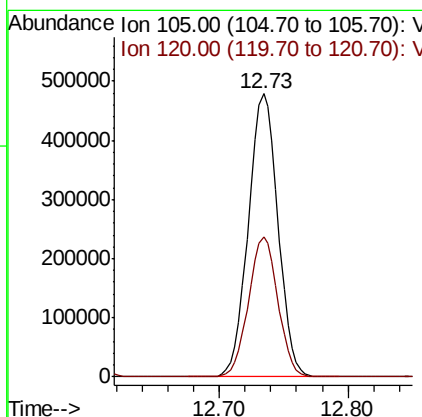
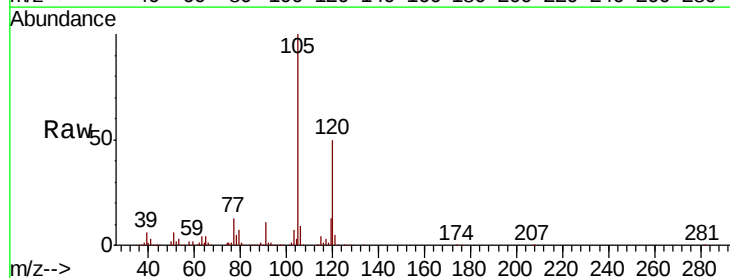
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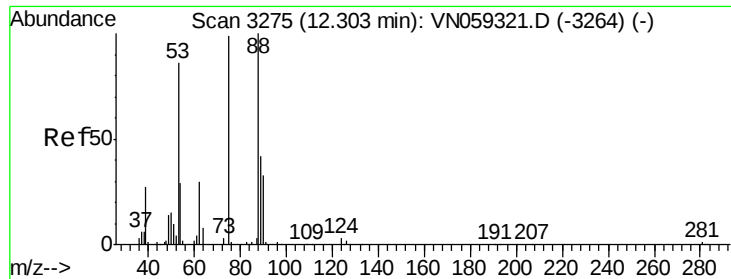
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#80
 1,3,5-Trimethylbenzene
 Concen: 41.486 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN059399.D
 Acq: 26 Nov 2019 11:52

Tgt Ion: 105 Resp: 763449
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.1 72.4





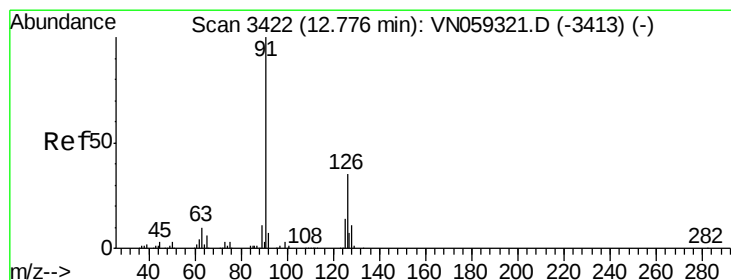
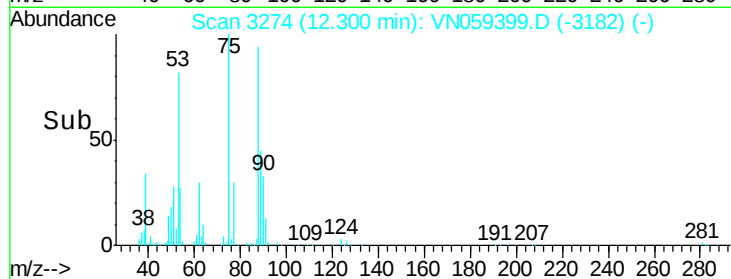
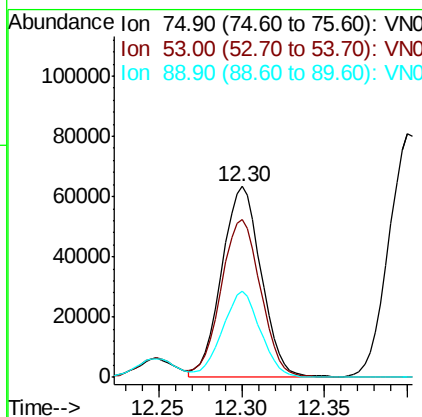
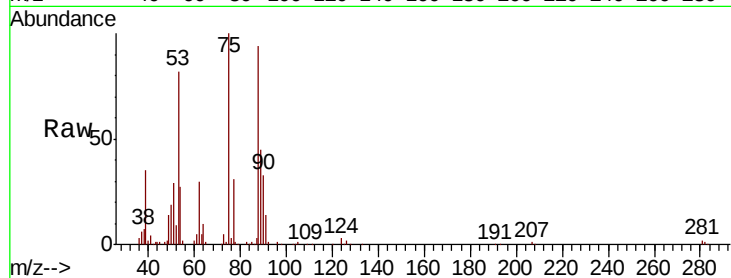
#81
trans-1,4-Dichloro-2-butene
Concen: 42.001 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.5	70.7	106.1
89	44.2	35.4	53.0

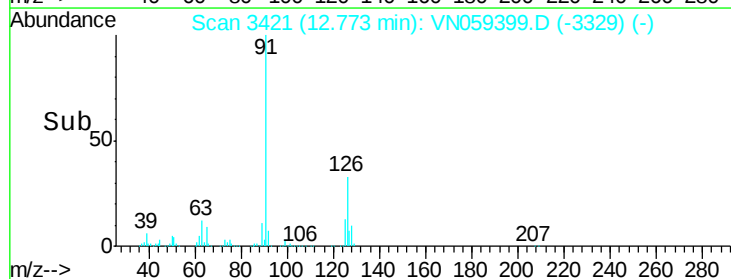
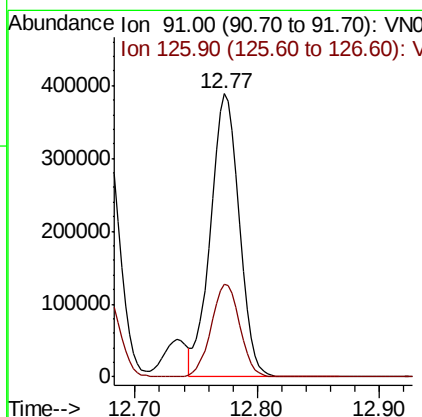
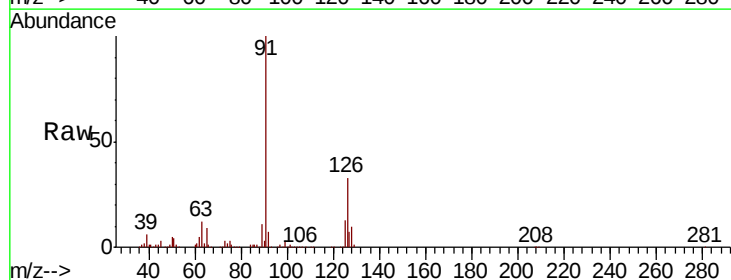
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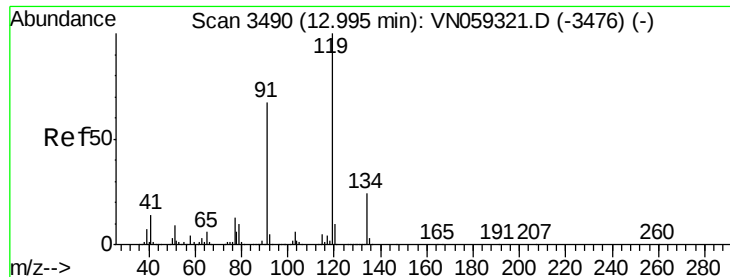
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#82
4-Chlorotoluene
Concen: 40.710 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.2	48.6





#83

tert-Butylbenzene

Concen: 42.184 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

Instrument :

MSVOA_N

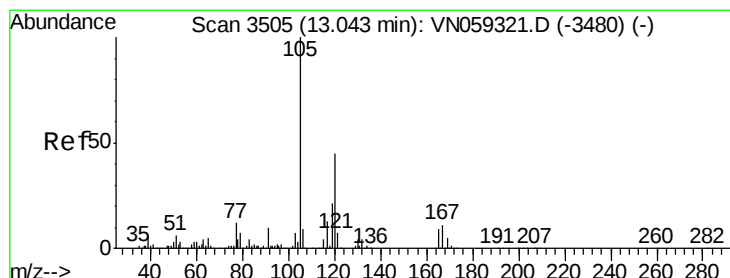
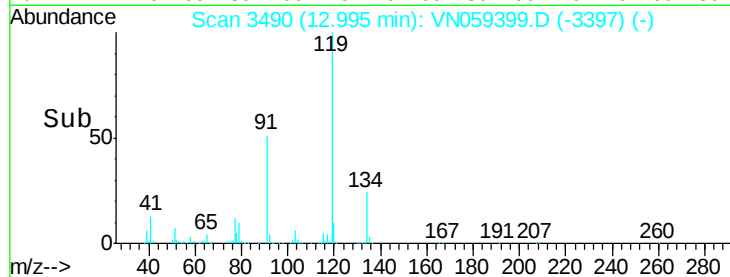
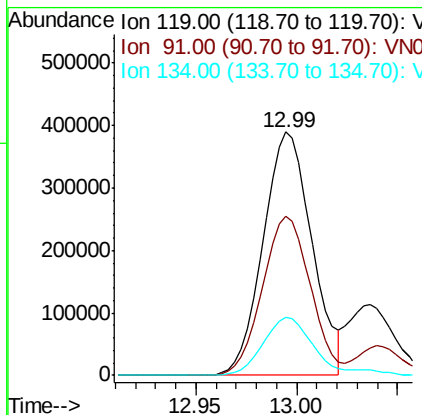
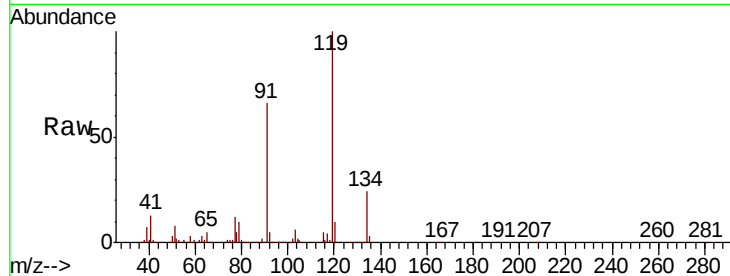
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	655642
Ion Ratio	Lower	Upper	
119	100		
91	64.4	32.8	98.4
134	23.8	13.0	38.9

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#84

1,2,4-Trimethylbenzene

Concen: 42.224 ug/l

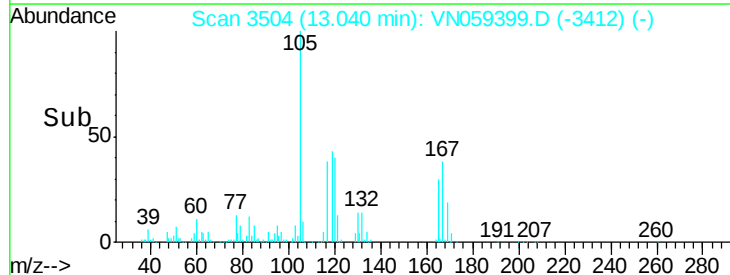
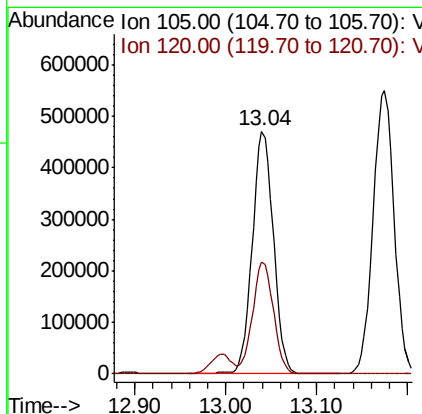
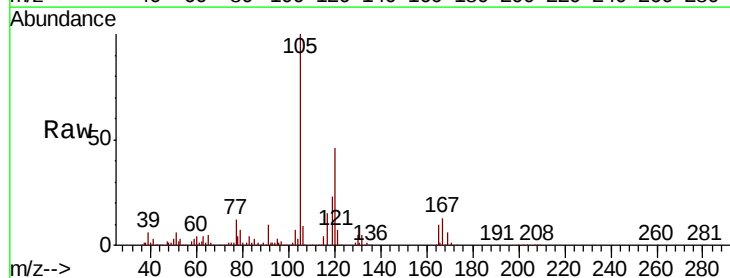
RT: 13.04 min Scan# 3504

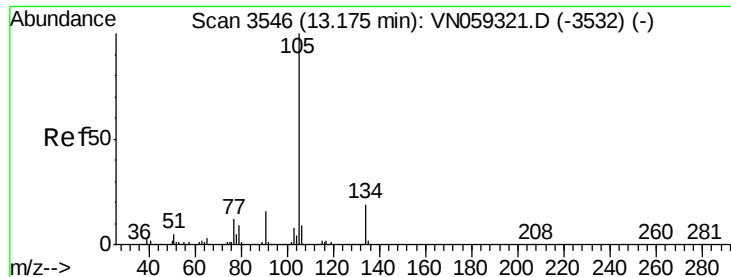
Delta R.T. -0.00 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

Tgt Ion:	105	Resp:	761160
Ion Ratio	Lower	Upper	
105	100		
120	45.3	22.6	67.8





#85

sec-Butylbenzene

Concen: 42.274 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 883079

Ion Ratio Lower Upper

105 100

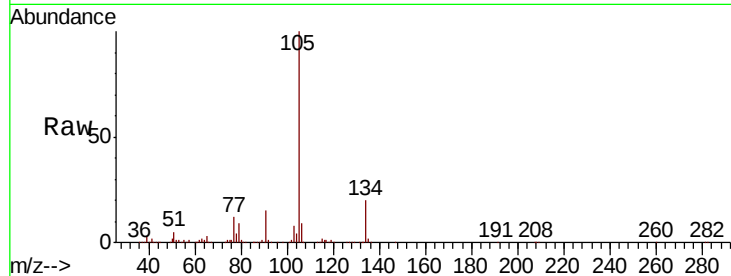
134 19.7 9.8 29.3

Manual Integrations

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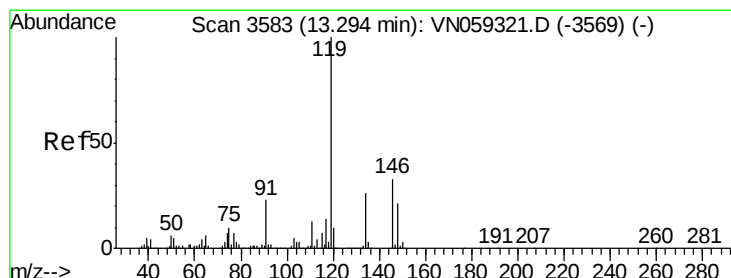
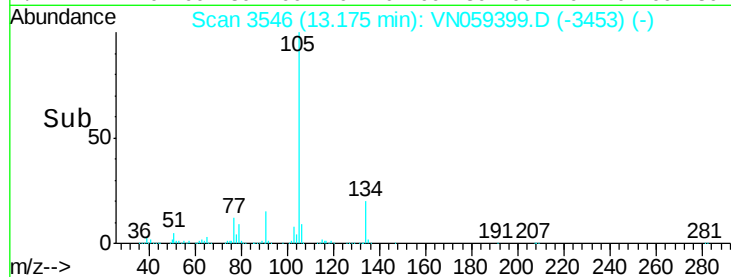
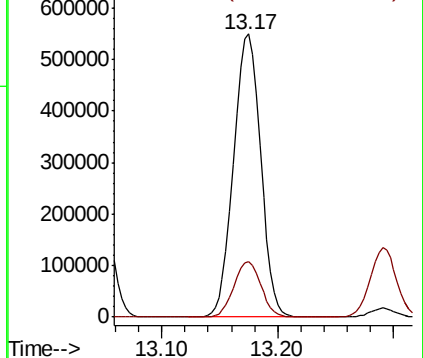
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 43.242 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

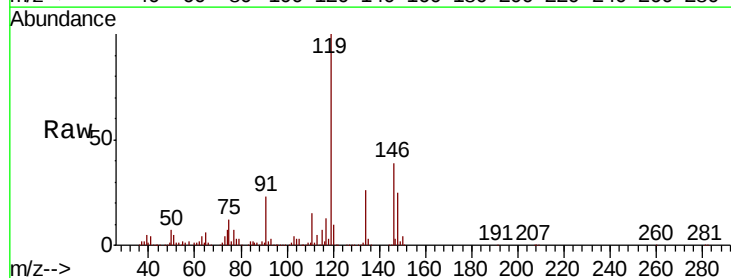
Tgt Ion:119 Resp: 803807

Ion Ratio Lower Upper

119 100

134 26.4 13.0 38.9

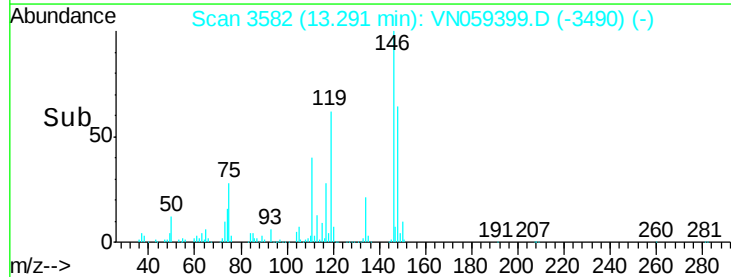
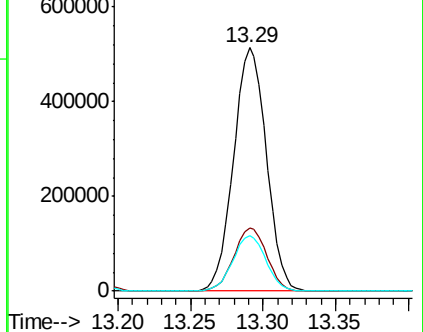
91 22.8 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





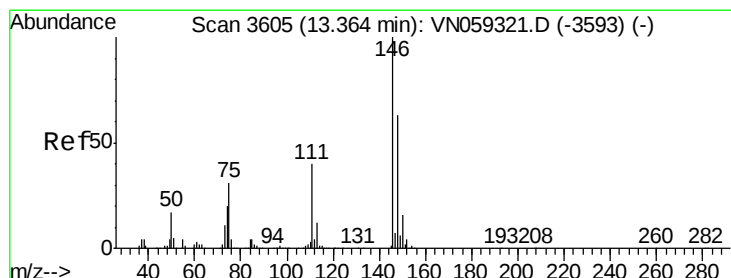
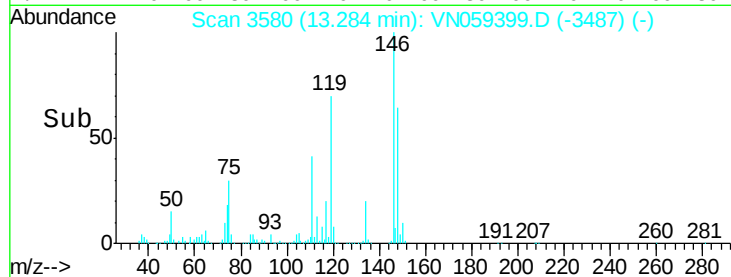
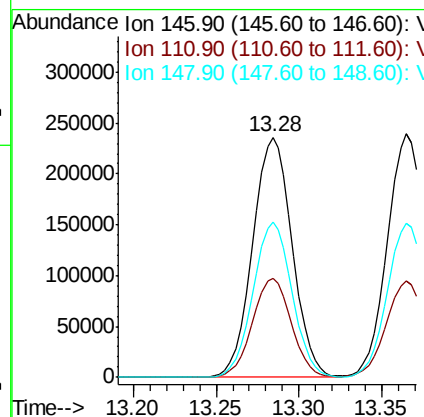
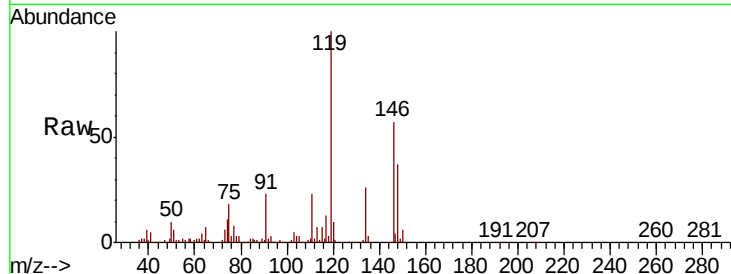
#87
 1,3-Dichlorobenzene
 Concen: 41.428 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059399.D
 Acq: 26 Nov 2019 11:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.6	61.8
148	63.8	31.9	95.5

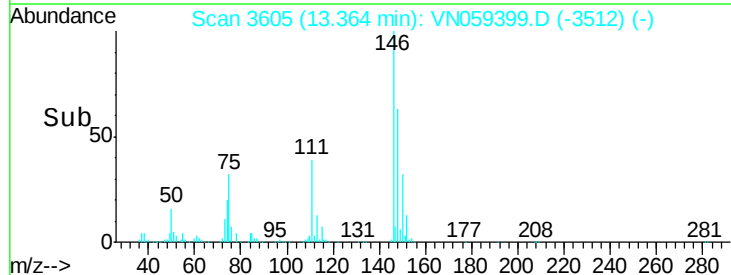
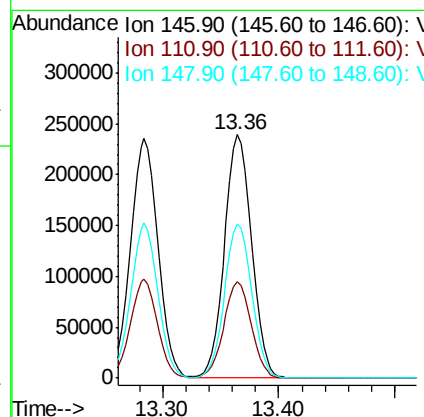
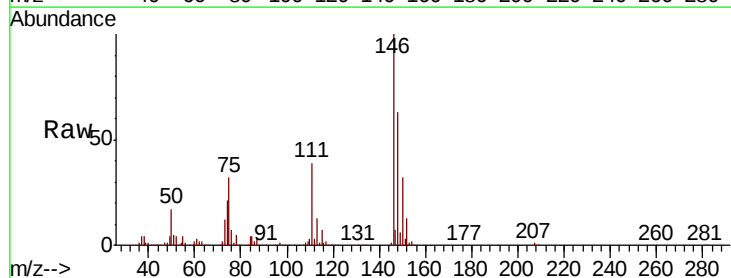
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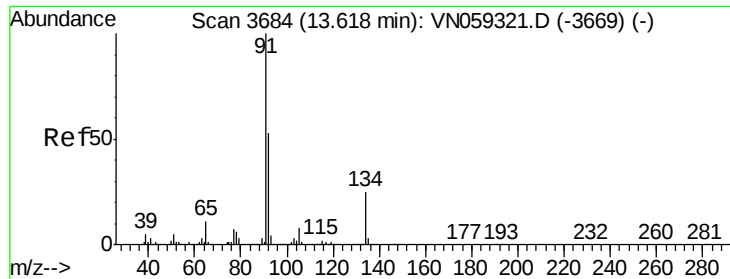
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#88
 1,4-Dichlorobenzene
 Concen: 41.450 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN059399.D
 Acq: 26 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.1	60.3
148	64.0	31.7	95.1





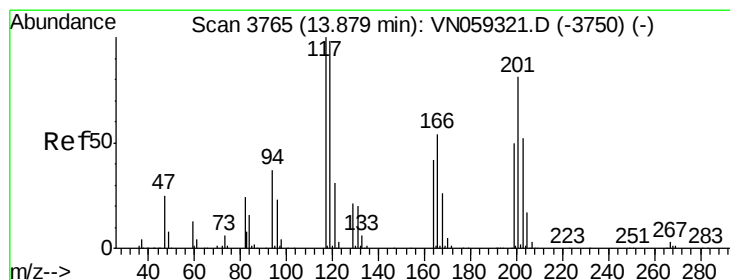
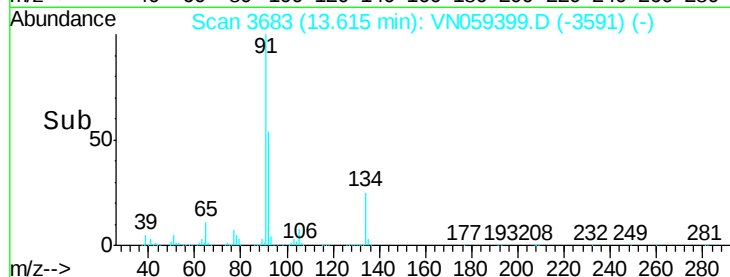
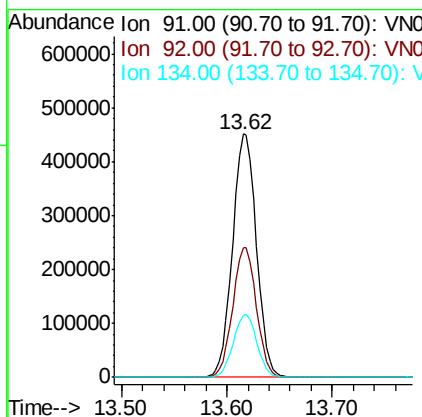
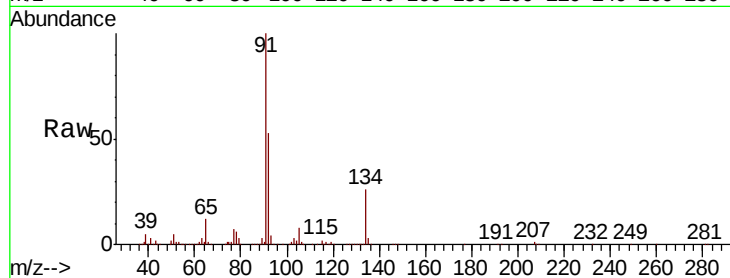
#89
n-Butylbenzene
Concen: 43.275 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.0	78.0
134	25.6	12.7	38.1

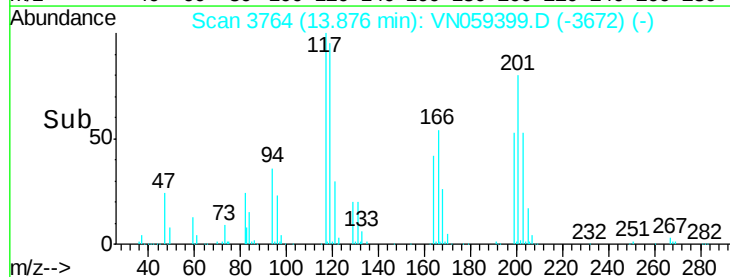
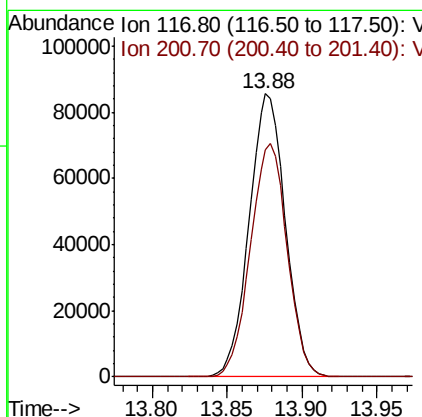
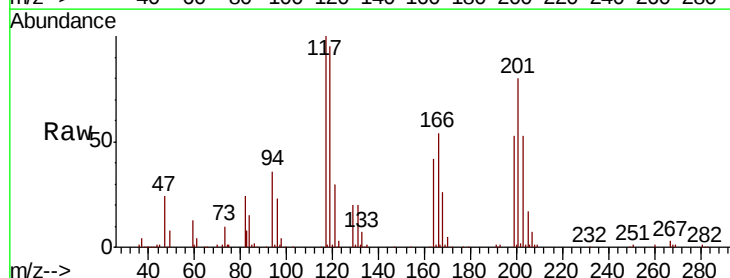
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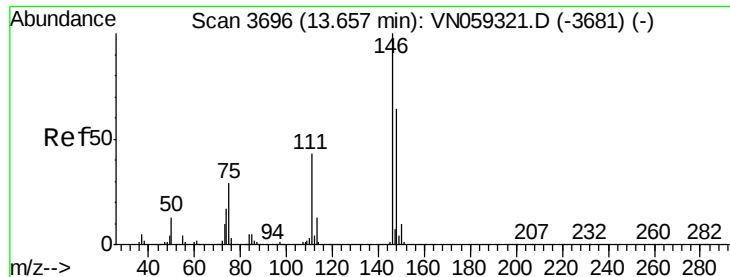
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#90
Hexachloroethane
Concen: 40.988 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059399.D
Acq: 26 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.3	40.4	121.2





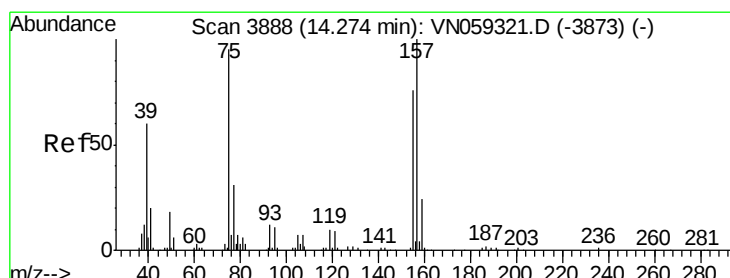
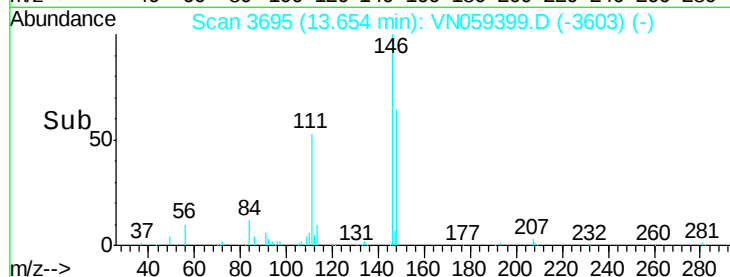
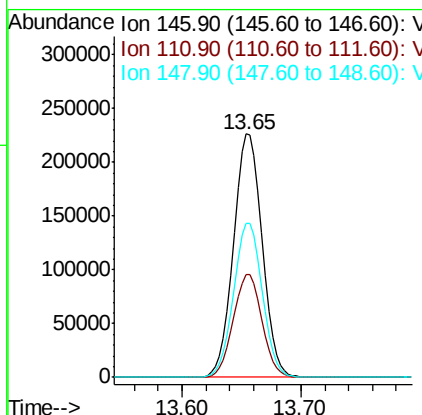
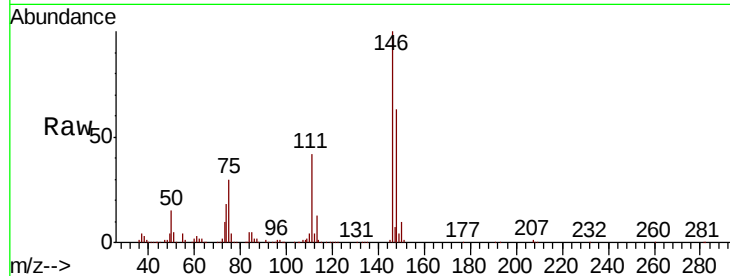
#91
 1,2-Dichlorobenzene
 Concen: 41.318 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059399.D
 Acq: 26 Nov 2019 11:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.3	64.0
148	63.6	31.9	95.5

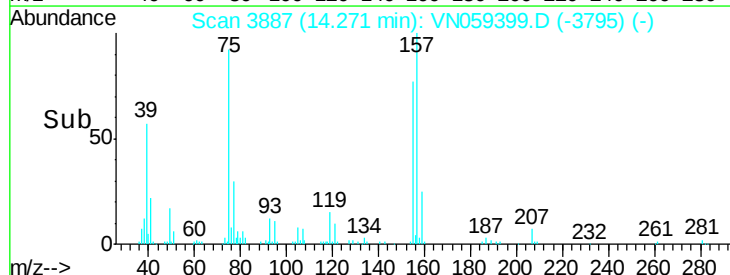
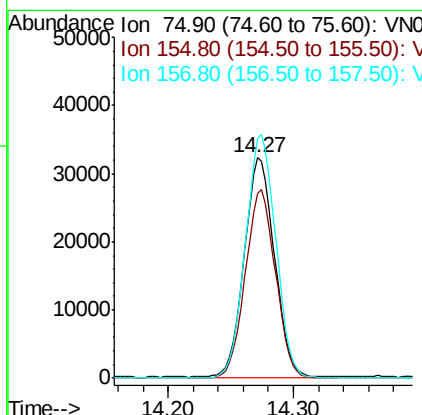
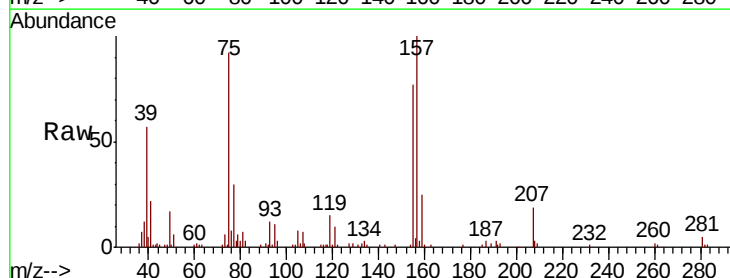
Manual Integrations
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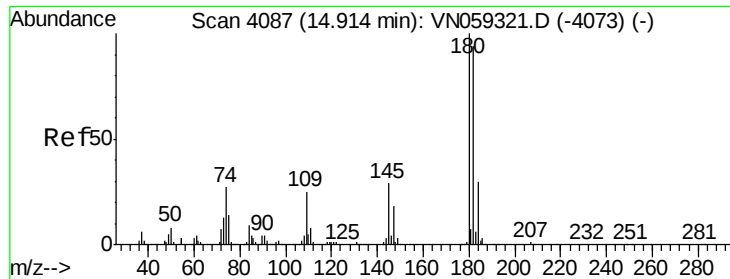
apatel
 11/27/2019 10:29:10 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 35.193 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN059399.D
 Acq: 26 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.3	40.5	121.5
157	111.0	52.7	158.1





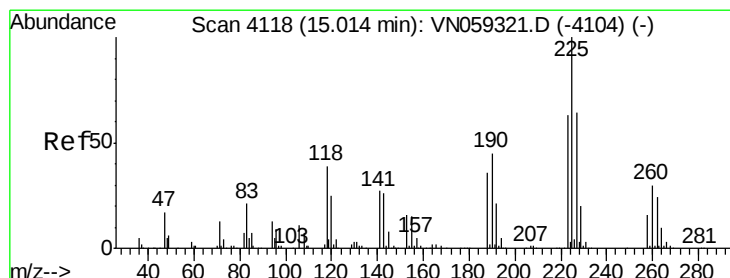
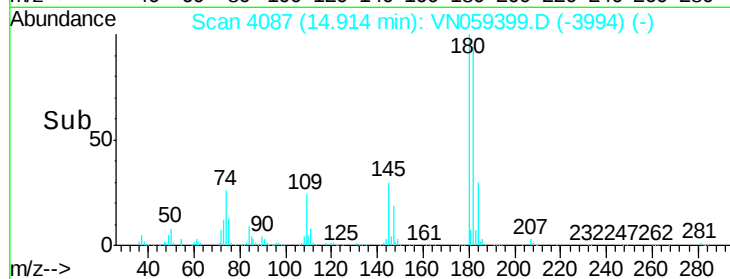
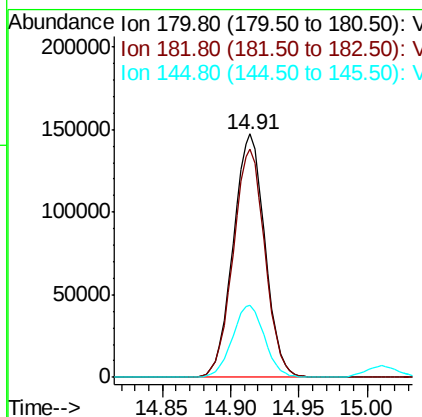
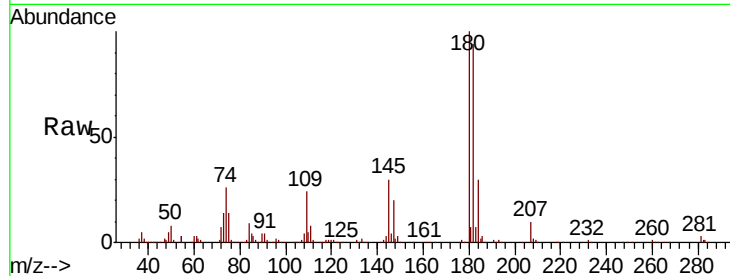
#93
 1,2,4-Trichlorobenzene
 Concen: 42.216 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059399.D
 Acq: 26 Nov 2019 11:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	237450		
182	94.0	47.2	141.6	
145	29.8	14.9	44.5	

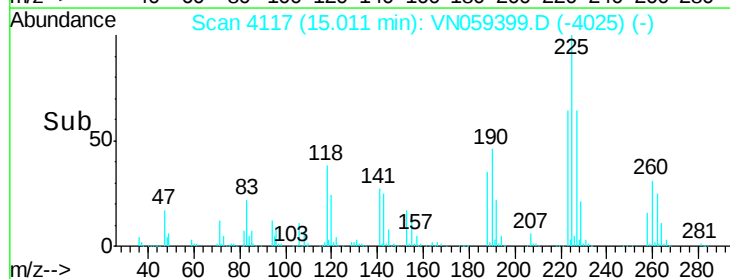
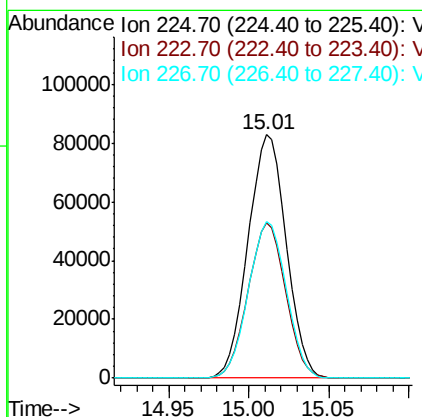
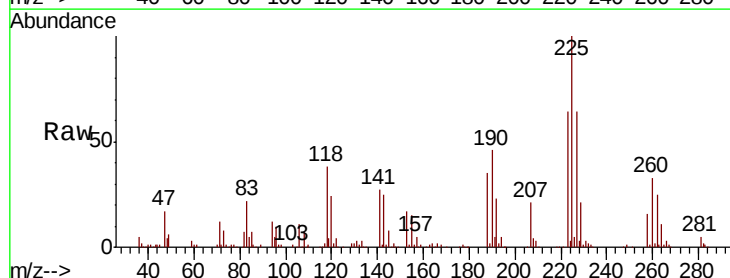
Manual Integrations
 APPROVED

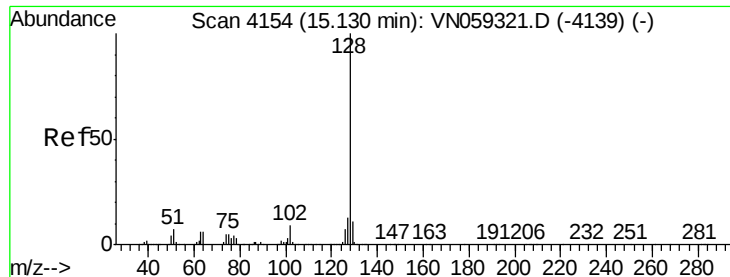
apatel
 11/27/2019 10:29:10 AM



#94
 Hexachlorobutadiene
 Concen: 41.080 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059399.D
 Acq: 26 Nov 2019 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	135403		
223	62.6	31.6	94.8	
227	63.9	32.6	97.7	





#95

Naphthalene

Concen: 39.590 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

Instrument :

MSVOA_N

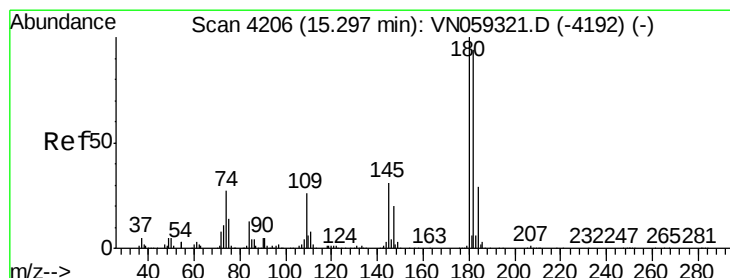
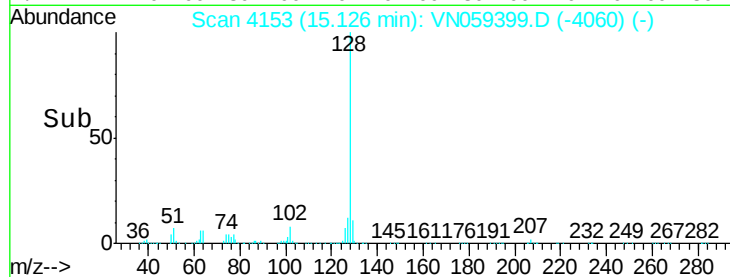
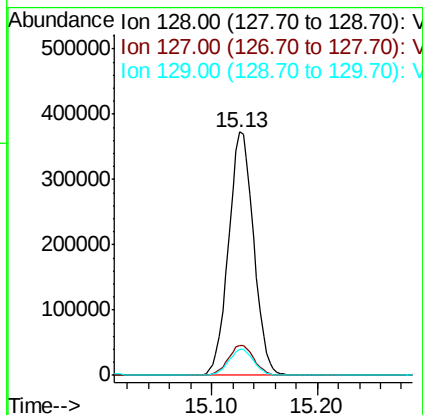
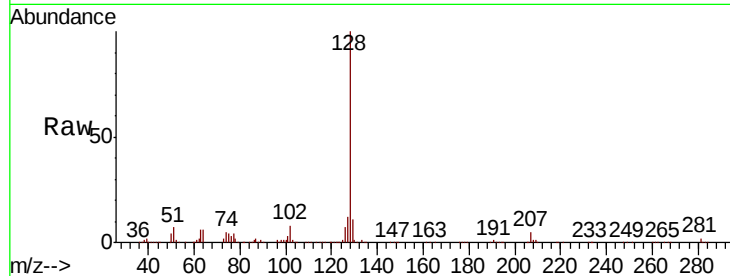
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	612660
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.8	8.6	13.0

Manual Integrations
APPROVED

apatel
11/27/2019 10:29:10 AM



#96

1,2,3-Trichlorobenzene

Concen: 42.102 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059399.D

Acq: 26 Nov 2019 11:52

Tgt Ion:	180	Resp:	233392
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.1	141.4
145	31.1	15.6	46.8

