LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012119\
Data File : VN053501.D
Acq On : 21 Jan 2019 12:44
Operator : JC/SP
Sample : K1201-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : COMP-1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.812	4	12	27	rVB	142911	196307	4.02%	0.624%
2	2.317	156	169	199	rBV	2919900	4880083	100.00%	15.503%
3	3.275	446	467	503	rBV	474778	1298958	26.62%	4.126%
4	3.815	619	635	649	rBV2	24342	63707	1.31%	0.202%
5	4.323	778	793	816	rBV	21653	62540	1.28%	0.199%
6	5.950	1275	1299	1324	rBV4	55292	194632	3.99%	0.618%
7	6.542	1459	1483	1505	rBV2	145820	436669	8.95%	1.387%
8	6.837	1551	1575	1599	rBV2	62693	190889	3.91%	0.606%
9	7.590	1788	1809	1820	rBV	492862	1217583	24.95%	3.868%
10	7.664	1820	1832	1869	rVB	926246	2186449	44.80%	6.946%
11	8.027	1923	1945	1973	rBV2	585986	1448216	29.68%	4.601%
12	8.583	2102	2118	2137	rBV	1361235	2790603	57.18%	8.865%
13	8.786	2167	2181	2194	rBV3	52564	116254	2.38%	0.369%
14	10.088	2570	2586	2599	rBV	2141051	3962051	81.19%	12.586%
15	10.152	2599	2606	2633	rVB	186447	347332	7.12%	1.103%
16	10.876	2826	2831	2844	rVB3	27945	49637	1.02%	0.158%
17	11.406	2978	2996	3018	rBV	1916156	3378459	69.23%	10.732%
18	11.509	3018	3028	3046	rVV	44032	87237	1.79%	0.277%
19	11.615	3048	3061	3079	rVB	138961	265303	5.44%	0.843%
20	11.953	3152	3166	3175	rBV3	95529	212777	4.36%	0.676%
21	12.400	3291	3305	3320	rBV	1661206	2736886	56.08%	8.694%
22	12.654	3374	3384	3390	rBV	42496	67700	1.39%	0.215%
23	12.731	3400	3408	3418	rVB2	37423	60467	1.24%	0.192%
24	12.914	3451	3465	3482	rVB	305210	495002	10.14%	1.572%
25	13.040	3492	3504	3513	rBV	82251	140091	2.87%	0.445%
26	13.104	3513	3524	3547	rVB2	167938	307141	6.29%	0.976%
27	13.342	3585	3598	3615	rBV	2000790	3241007	66.41%	10.296%
28	13.448	3615	3631	3645	rVV	218262	373876	7.66%	1.188%
29	13.721	3705	3716	3730	rVB	122185	204646	4.19%	0.650%
30	14.583	3974	3984	3997	rVB4	30285	57548	1.18%	0.183%
31	15.130	4135	4154	4166	rBV	217343	409096	8.38%	1.300%

Sum of corrected areas: 31479146

LSC Report - Integrated Chromatogram

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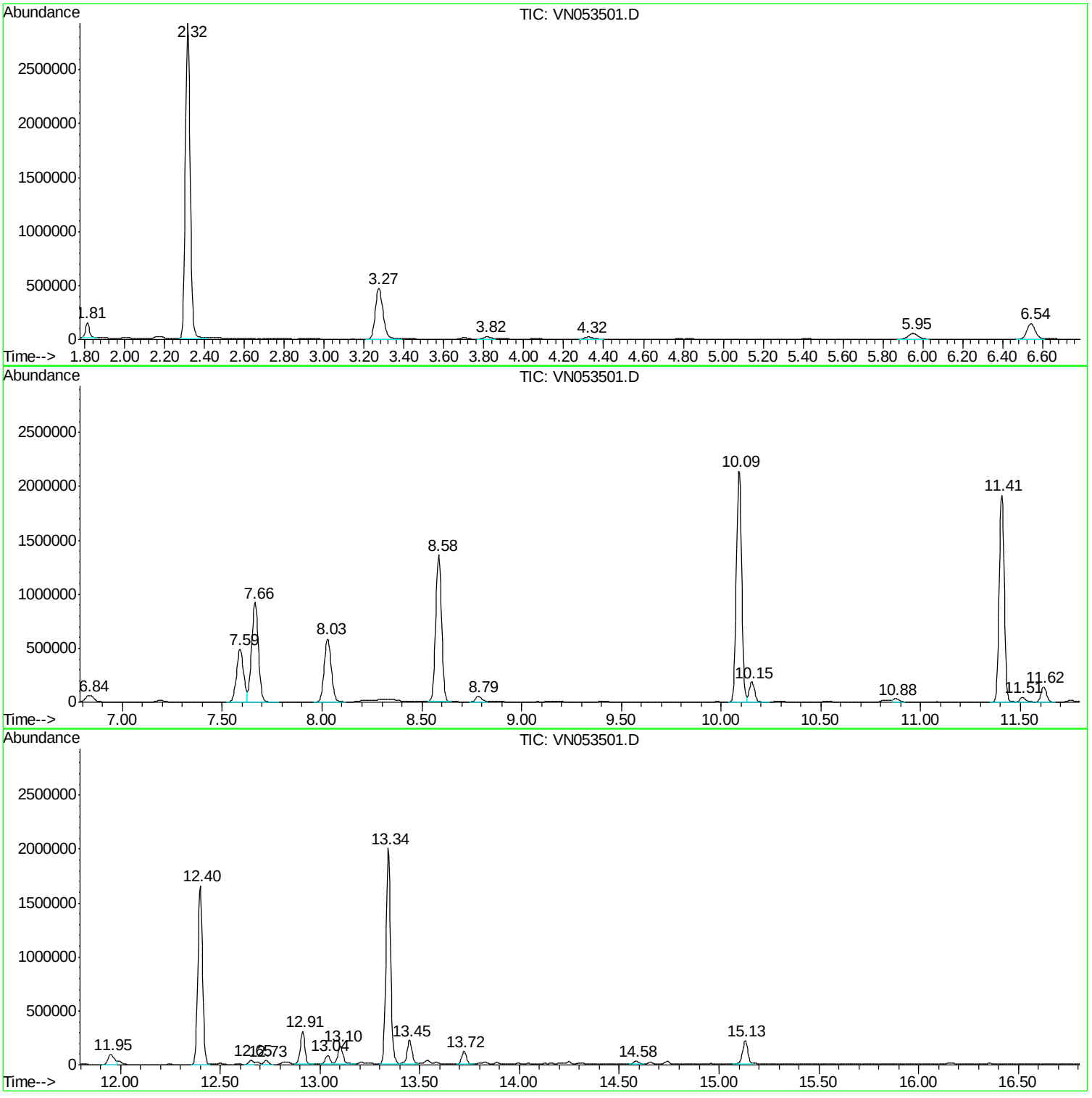
Sample : K1201-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : COMP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

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TIC Integration Parameters: LSCINT.P

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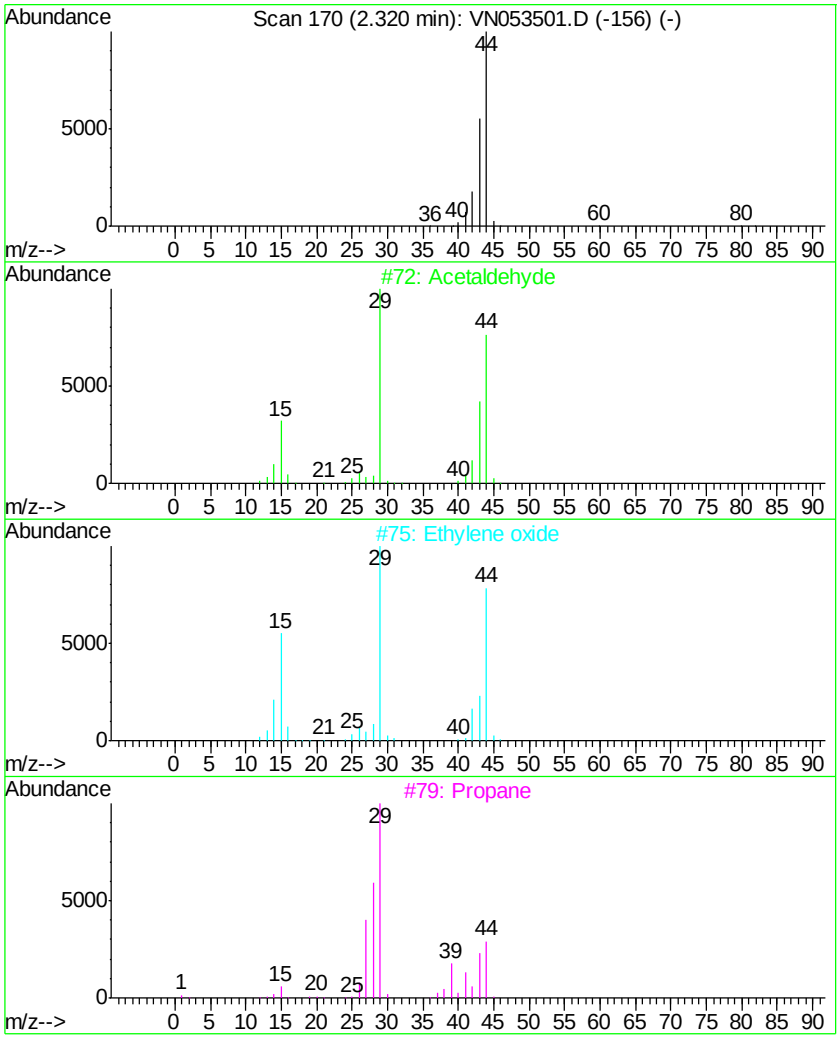
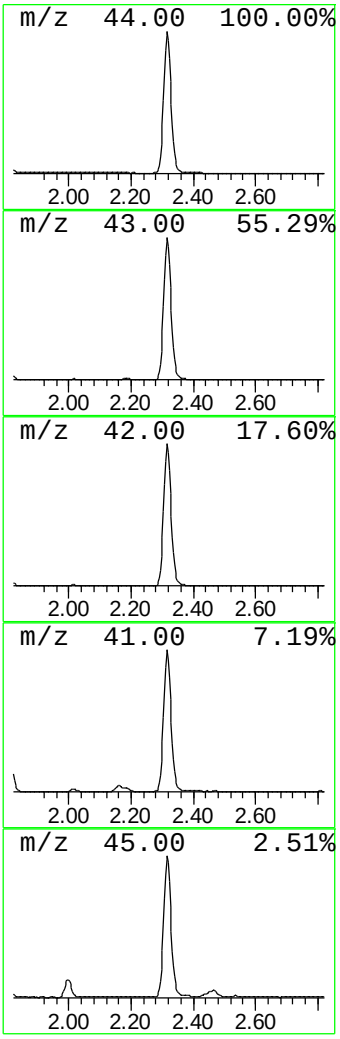
Peak Number 1 Acetaldehyde Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.32	111.60 ug/l	4880080	Pentafluorobenzene	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	64
2	Ethylene oxide	44	C2H4O	000075-21-8	5
3	Propane	44	C3H8	000074-98-6	4
4	Alanine	89	C3H7NO2	000056-41-7	4
5	Ethyne, fluoro-	44	C2HF	002713-09-9	3





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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : COMP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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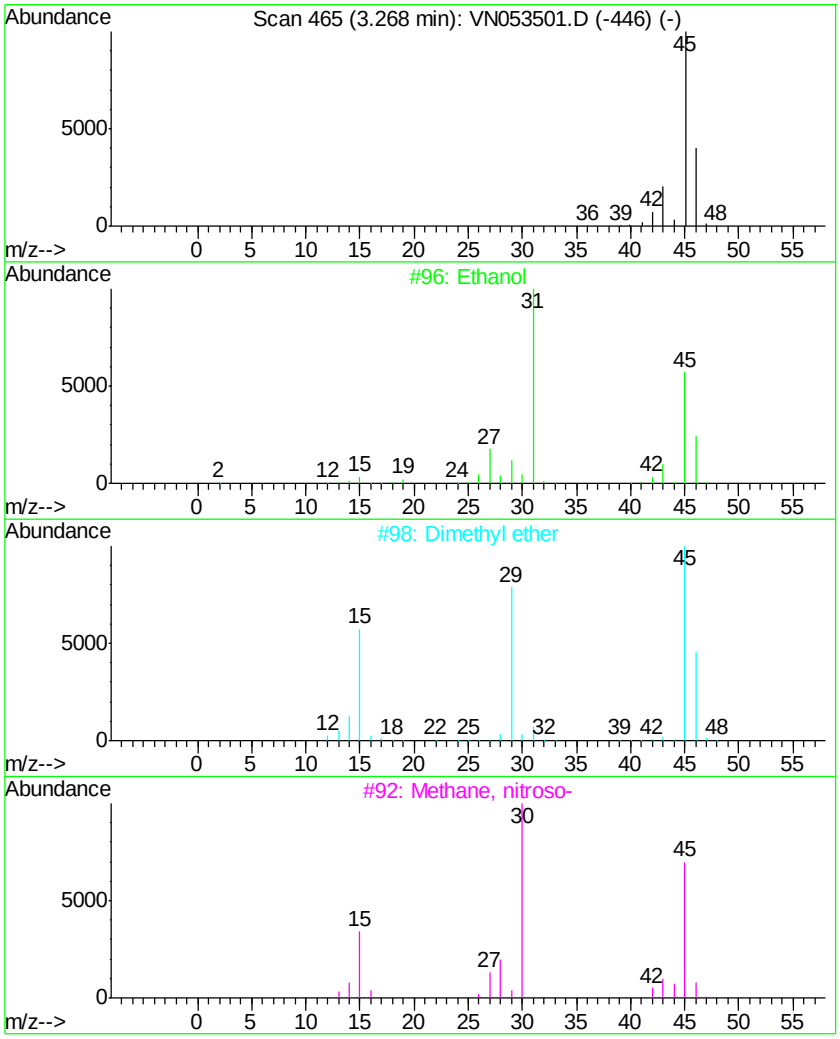
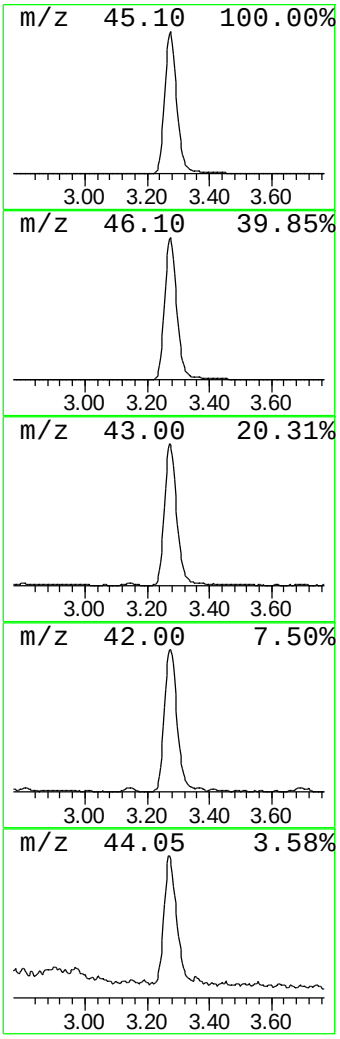
Peak Number 2 Ethanol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.27	29.70 ug/l	1298960	Pentafluorobenzene	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol	46	C2H6O	000064-17-5	74
2	Dimethyl ether	46	C2H6O	000115-10-6	9
3	Methane, nitroso-	45	CH3NO	000865-40-7	4
4	Formic acid	46	CH2O2	000064-18-6	4
5	L-Lactic acid	90	C3H6O3	000079-33-4	4





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Operator : JC/SP
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Instrument : MSVOA_N
ClientSampleId : COMP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
Quant Title : SW846 8260

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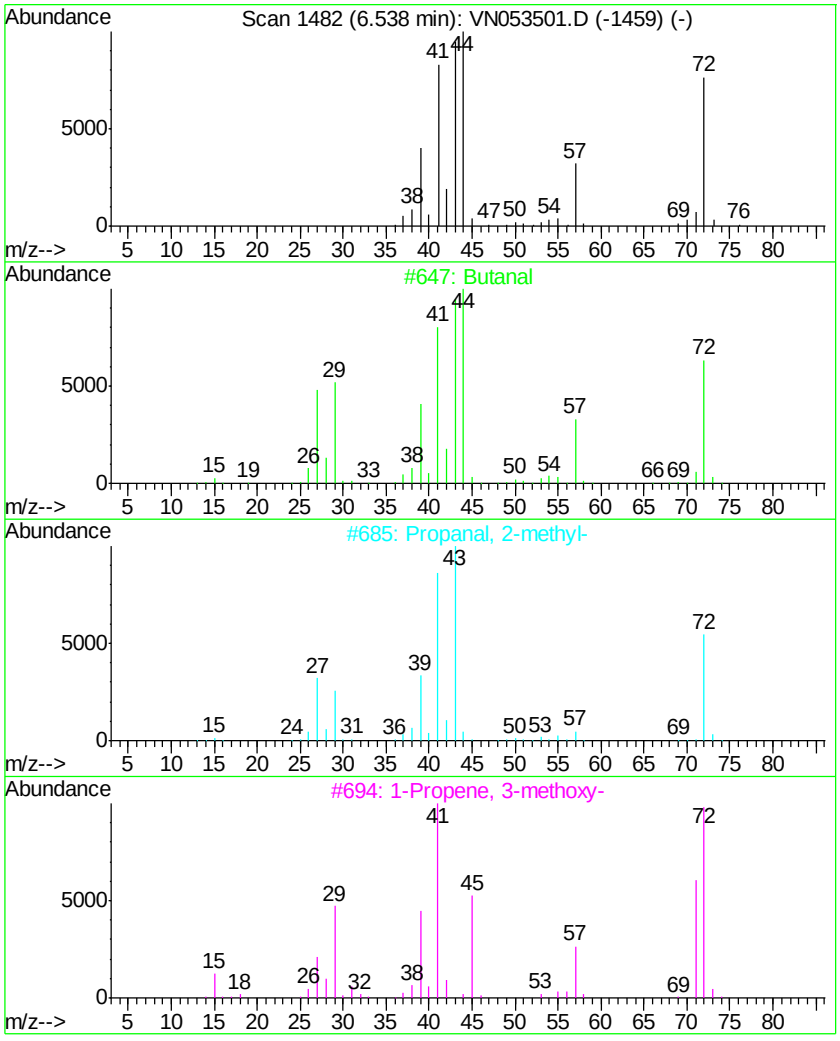
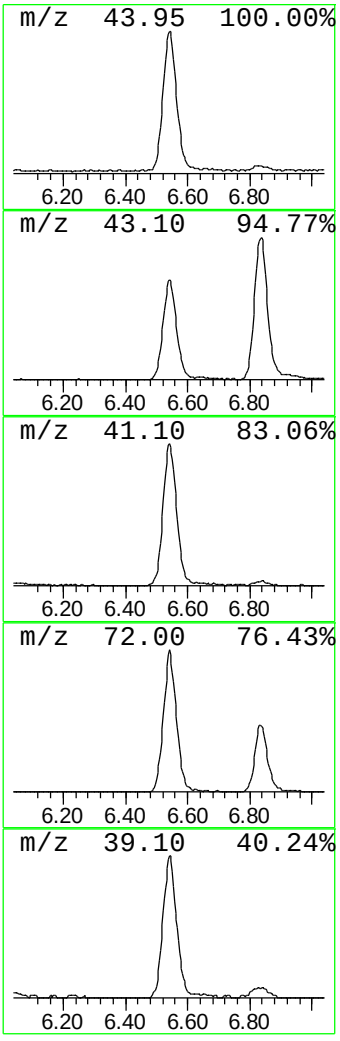
Peak Number 3 Butanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.54	9.99 ug/l	436669	Pentafluorobenzene	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	94
2	Propanal, 2-methyl-	72	C4H8O	000078-84-2	58
3	1-Propene, 3-methoxy-	72	C4H8O	000627-40-7	47
4	Ethene, ethoxy-	72	C4H8O	000109-92-2	42
5	Isobutylene epoxide	72	C4H8O	000558-30-5	35





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Instrument : MSVOA_N
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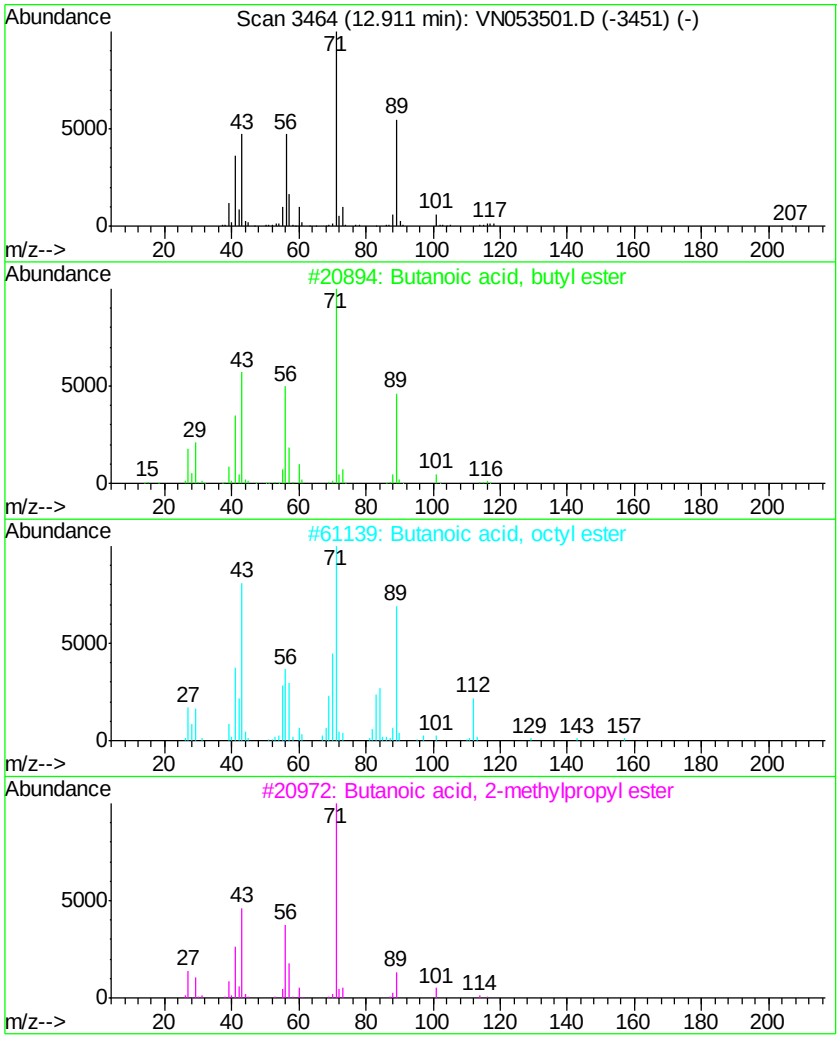
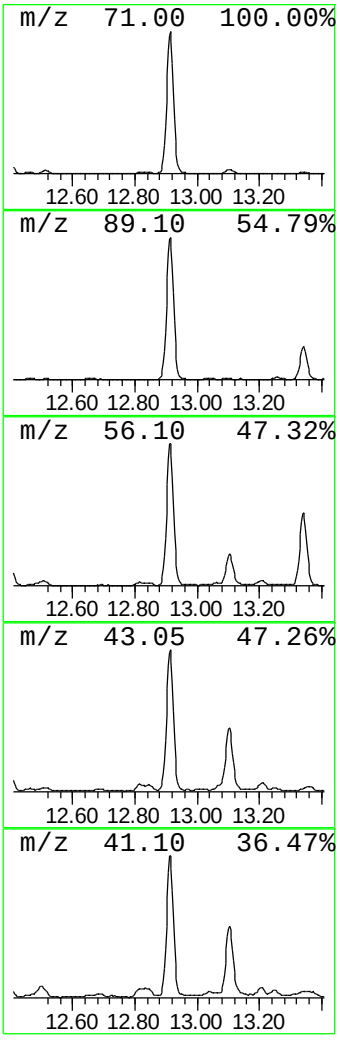
Peak Number 4 Butanoic acid, butyl ester Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.91	7.64 ug/l	495002	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, butyl ester	144	C8H16O2	000109-21-7	90
2	Butanoic acid, octyl ester	200	C12H24O2	000110-39-4	78
3	Butanoic acid, 2-methylpropyl ester	144	C8H16O2	000539-90-2	64
4	Butanoic acid, hexyl ester	172	C10H20O2	002639-63-6	64
5	Propanoic acid, 2-methyl-, 2-met...	144	C8H16O2	000097-85-8	45





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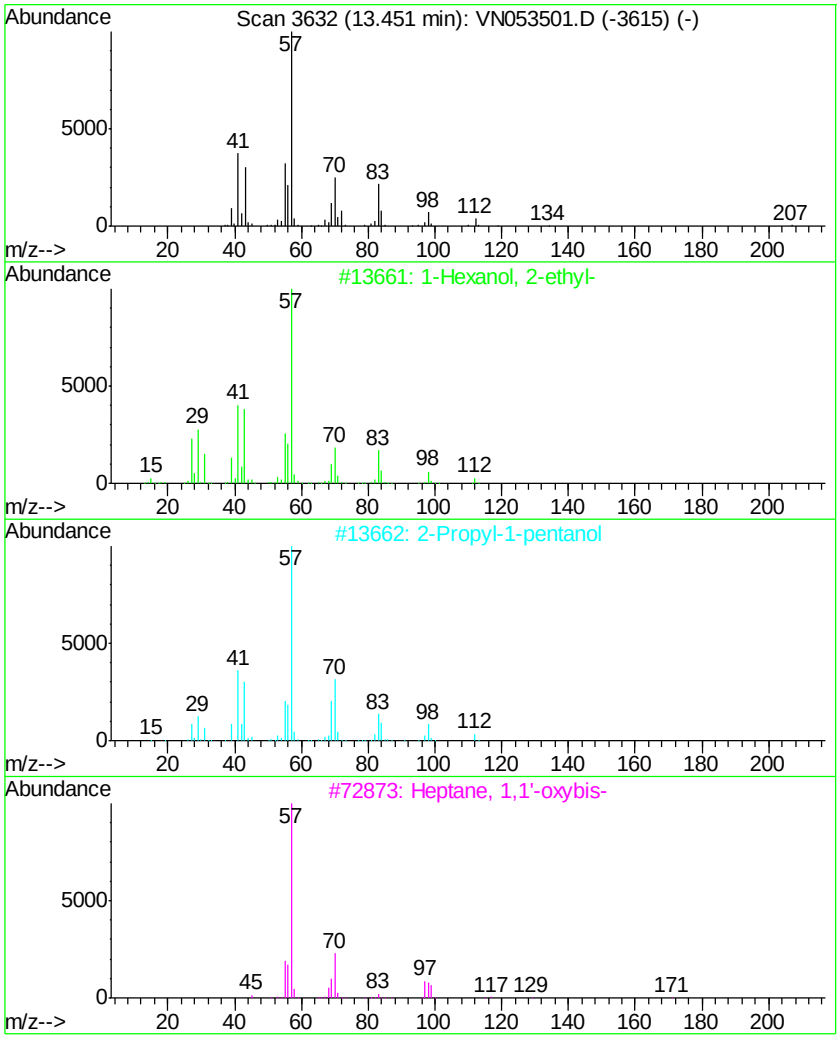
TIC Integration Parameters: LSCINT.P

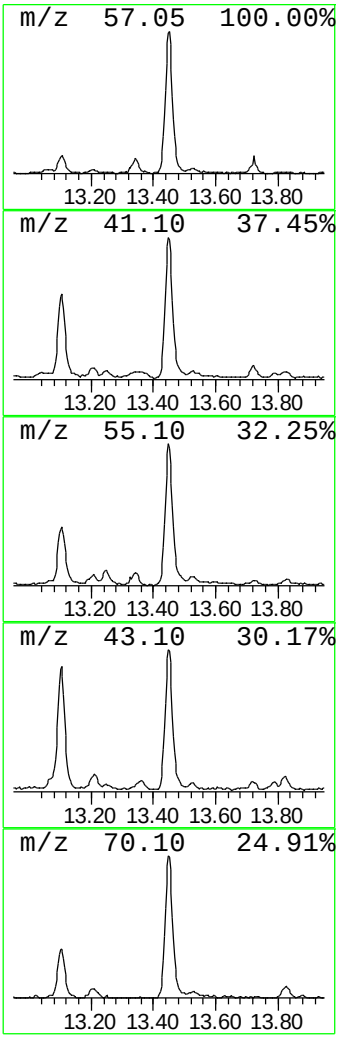
****

Peak Number 5 1-Hexanol, 2-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	5.77 ug/l	373876	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	83
2	2-Propyl-1-pentanol	130	C8H18O	058175-57-8	50
3	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	50
4	2-Ethyl-1-hexanol, pentafluoropr...	276	C11H17F5O2	1000365-51-1	50
5	2-Ethylhexyl hydrogen maleate	228	C12H20O4	002370-71-0	42





Tentatively Identified Compound (LSC) summary

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					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Acetaldehyde	2.32	111.6	ug/l	4880080	1	7.66	2186450	50.0
Ethanol	3.27	29.7	ug/l	1298960	1	7.66	2186450	50.0
Butanal	6.54	10.0	ug/l	436669	1	7.66	2186450	50.0
Butanoic acid, bu...	12.91	7.6	ug/l	495002	4	13.34	3241010	50.0
1-Hexanol, 2-ethyl-	13.45	5.8	ug/l	373876	4	13.34	3241010	50.0